

**11 SUSTAINABLE CITIES  
AND COMMUNITIES**



# SDG 11 Summary

Number of Targets	Number of Indicators
9	15

Indicator Status	
Available	15
Unavailable	0
NA	0
Related to Organizations' Account	0
Total	15

# SDG 11: Make cities and human settlements inclusive, safe, resilient and sustainable.

**Target (11-1): By 2030, ensure access for all to adequate, safe and affordable housing and basic services and upgrade slums**

## 11-1-1 Proportion of urban population living in slums, informal settlements or inadequate housing

Table (11-1) Proportion of urban population living in slums, informal settlements or inadequate housing (2016-2022)

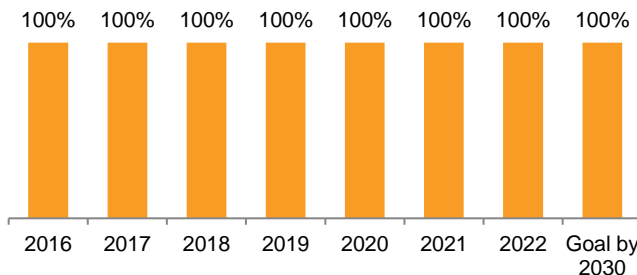
Sub-indicator	2016	2017	2018	2019	2020	2021	2022
(a) Proportion of urban population living in slums	0%	0%	0%	0%	0%	0%	0%
(b) Number of urban population living in slums	0	0	0	0	0	0	0

Source: Planning and Statistics Authority

**Target (11.2): By 2030, provide access to safe, affordable, accessible and sustainable transport systems for all, improving road safety, notably by expanding public transport, with special attention to the needs of those in vulnerable situations, women, children, persons with disabilities and older persons**

## 11.2.1 Proportion of population that has convenient access to public transport, by sex, age and persons with disabilities.

Figure (11.1): Proportion of population with convenient access to public transport (2016-2022)



**Target (11.3): By 2030, enhance inclusive and sustainable urbanization and capacity for participatory, integrated and sustainable human settlement planning and management in all countries**

**11.3.1 Ratio of land consumption rate to population growth rate.**

Figure (11.2) Population and land consumption rate (km<sup>2</sup>) (2016-2021)

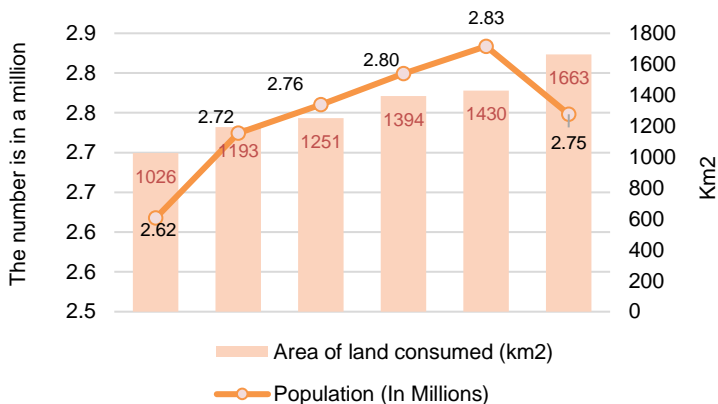


Figure (11.3): Annual growth rates of lands consumed and annual population growth (2016-2021)

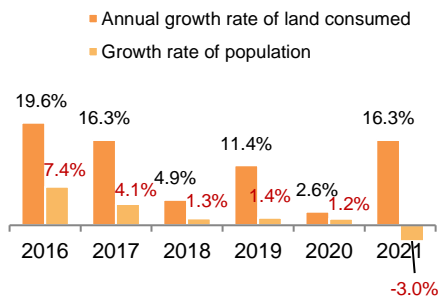


Figure (11.4): LCRPGR overall average 2016-2021

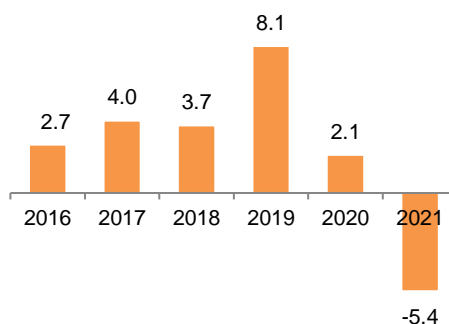


Table (11-2) Area of consumed land, population, annual growth rates, and overall average of the indicator (2016-2021)

Description	2016	2017	2018	2019	2020	2021
Area of consumed land (km <sup>2</sup> )	1,026	1,193	1,251	1,394	1,430	1,663
Population	2,617,634	2,724,606	2,760,170	2,799,202	2,833,679	2,748,162
Annual growth rates of consumed land	19.6%	16.3%	4.9%	11.4%	2.6%	16.3%
Annual growth rates of population	7.4%	4.1%	1.3%	1.4%	1.2%	-3.0%
Indicator: LCRPGR	2.65	3.98	3.72	8.08	2.1	-5.4

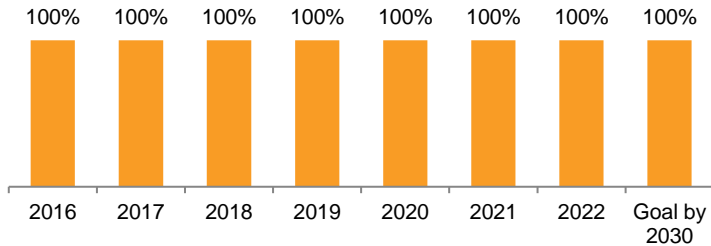
\* The urban land area for 2016 was estimated by the PSA

Source: Ministry of Municipality

Source: PSA

### 11.3.2 Proportion of cities with a direct participation structure of civil society in urban planning and management that operate regularly and democratically.

Figure (11.5): Proportion of cities with a direct participation structure of civil society in urban planning and management that operate regularly and democratically (2016-2022)



### Target (11.4): Strengthen efforts to protect and safeguard the world’s cultural and natural heritage

#### 11.4.1 Total per capita expenditure (public and private) spent on the preservation, protection and conservation of all cultural and natural heritage, by type of heritage (cultural, natural, mixed and World Heritage Centre designation), level of government (national, regional and local/municipal).

Table (11-3) Per capita expenditure spent on the preservation, protection and conservation of cultural heritage (2016-2020)

Year	Expenditure Type (Operational / Investment)	Value of expenditure to preserve cultural heritage (QR)	Mid-year population	Per capita expenditure spent on the cultural heritage (QR per person)
2016	Investment	12,297,215	2,617,634	4.7
	Operational	1,520,149	2,617,634	0.58
	Total	13,817,364	2,617,634	5.28
2017	Investment	2,682,490	2,724,606	0.98
	Operational	1,097,654	2,724,606	0.4
	Total	3,780,144	2,724,606	1.39
2018	Investment	1,094,204	2,760,170	0.4
	Operational	652,549	2,760,170	0.24
	Total	1,746,753	2,760,170	0.63
2019	Investment	4,100,838	2,799,202	1.47
	Operational	695,381	2,799,202	0.25
	Total	4,796,219	2,799,202	1.71
2020	Investment	2,159,888	2,833,679	0.76
	Operational	299,926	2,833,679	0.11
	Total	2,459,814	2,833,679	0.87

Source: Qatar Museums & PSA

**Target (11-5):** By 2030, significantly reduce the number of deaths and the number of people affected and substantially decrease the direct economic losses relative to global gross domestic product caused by disasters, including water-related disasters, with a focus on protecting the poor and people in vulnerable situations

**11-5-1 Number of deaths, missing persons and directly affected persons attributed to disasters per 100,000 population**

Table (11.4) **Number of deaths, missing persons and directly affected persons attributed to disasters per 100,000 population (2016-2021)**

Sub-indicator	Sex	Age Group	Type of Hazard	2016	2017	2018	2019	2020	2021
(a) Number of directly affected persons attributed to disasters, by sex	Males	All age groups	Corona virus	0	0	0	0	5434.8	3455.3
	Females			0	0	0	0	3449	5044.4
	Total			0	0	0	0	4868.7	3904.9
(b) Number of deaths attributed to disasters per 100,000 population, by sex	Males			0	0	0	0	10.3	13.8
	Females			0	0	0	0	4.6	10.9
	Total			0	0	0	0	8.6	13
(c) Number of directly affected persons attributed to disasters, by age group	Total	0-14 years	Corona virus	0	0	0	0	10685.8	1865.3
		15-64 years		0	0	0	0	3767.7	1114.8
		65 years and above		0	0	0	0	4542.4	1762.8
(d) Number of deaths attributed to disasters per 100,000 population, by age group	Total	0-14 years		0	0	0	0	0	0.2
		15-64 years		0	0	0	0	5.6	9.9
		65 years and above		0	0	0	0	327.1	338.9

Source: Ministry of Interior and PSA calculations

Table (11.5)

## Number of people directly affected or died from disaster (2016-2021)

Sub-indicator	Sex	Age Group	Type of Hazard	2016	2017	2018	2019	2020	2021
(e) Number of directly affected persons attributed to disasters, by sex	Males	All age groups	Corona-virus	0	0	0	0	110,104	68,091
	Females			0	0	0	0	27,860	39,227
	Total			0	0	0	0	137,964	107,318
(f) Number of deaths attributed to disasters per 100,000 population, by sex	Males			0	0	0	0	208	271
	Females			0	0	0	0	37	85
	Total			0	0	0	0	245	356
(g) Number of directly affected persons attributed to disasters, by age group	Total	0-14 years	Corona-virus	0	0	0	0	47,777	81,290
		15-64 years		0	0	0	0	88,618	25,357
		65 years and above		0	0	0	0	1,569	671
(h) Number of deaths attributed to disasters per 100,000 population, by age group	Total	0-14 years		0	0	0	0	0	1
		15-64 years		0	0	0	0	132	226
		65 years and above		0	0	0	0	113	129

Source: Ministry of Interior and PSA calculations

### 11-5-2 Direct economic loss in relation to global GDP attributed to disasters

The direct economic losses resulting from disasters as a percentage of GDP, including infrastructure damage and the number of disruptions to basic services attributable to disasters in the State of Qatar, were zero thanks to the absence of natural disasters in Qatar during (2016-2020). This is due to the fact that Qatar's geographic location is far from seismic zones, in addition to lack of heavy rainfall and the absence of cyclones. The robust Qatari economy has also contributed to tackling financial crises and reducing their negative impact on the population.

**11-6 (a) Damage to critical infrastructure and (b) number of disruptions to basic services, attributed to disasters.**

Table (11-6) (a) Damage to critical infrastructure and (b) number of disruptions to basic services, attributed to disasters (2016-2021)

Description	2016	2017	2018	2019	2020	2021
Number of critical infrastructure damaged by disasters	0	0	0	0	0	0
Number of health facilities destroyed or damaged by disasters	0	0	0	0	0	0
Number of educational facilities destroyed or damaged by disasters	0	0	0	0	0	0
Number of other critical infrastructure units and facilities destroyed or damaged by disasters	0	0	0	0	0	0
Number of disruptions to basic services, attributed to disasters	0	0	0	0	0	0
number of disruptions to educational services, attributed to disasters	0	0	0	0	0	0
number of disruptions to health services, attributed to disasters	0	0	0	0	0	0
Number of disruptions to other basic services, attributed to disasters	0	0	0	0	0	0

**Target (11.6): By 2030, reduce the adverse per capita environmental impact of cities, including by paying special attention to air quality and municipal and other waste management**

**11.6.1 Proportion of municipal solid waste collected and managed in controlled facilities out of total municipal waste generated, by cities**

Table (11-7) Proportion of municipal solid waste collected and managed in controlled facilities out of total municipal waste generated, by cities (2016-2021)

Description	2016	2017	2018	2019	2020	2021	Goal by 2030
Quantity of urban solid waste regularly collected and with adequate final discharge (ton)	8,394,793	8,156,591	5,946,811	7,667,086	10,303,367	12,120,156	-
Percentage of urban solid waste regularly collected and with adequate final discharge out of total urban solid waste generated in cities (%)	100%	100%	100%	100%	100%	100%	100%

Source: Ministry of Municipality



Table  
(11-8)

**Quantity of incoming waste by type (tons) (2016-2021)**

<b>Solid Waste Type</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
Household waste	1,155,469	1,184,387	1,315,995	1,288,088	1,298,850	1,514,868
Construction waste	4,644,286	4,092,111	3,006,287	3,753,316	6,316,564	7,991,537
Bulky waste	2,333,567	2,661,504	2,198,780	2,568,769	2,400,963	2,239,418
Waste tires	37,824	37,186	39,406	40,895	36,496	31,208
Others	223,647	181,403	39,690	16,018	250,494	343,126
<b>Total</b>	<b>8,394,793</b>	<b>8,156,591</b>	<b>6,600,158</b>	<b>7,667,086</b>	<b>9,004,517</b>	<b>11,478,373</b>

Source: Ministry of Municipality

**11.6.2 Annual mean levels of fine particulate matter (e.g., PM2.5 and PM10) in cities**

Table  
(11-9)

**Air quality for particulate matter levels (PM10) by location (2016-2021)**

<b>Location</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
Aspire Zone	Normal	Normal	Normal	Clean	Clean	Clean
Qatar University	Normal	Normal	Below Normal	Normal	Normal	Normal
Corniche	Normal	Normal	Below Normal	Normal	Normal	Normal

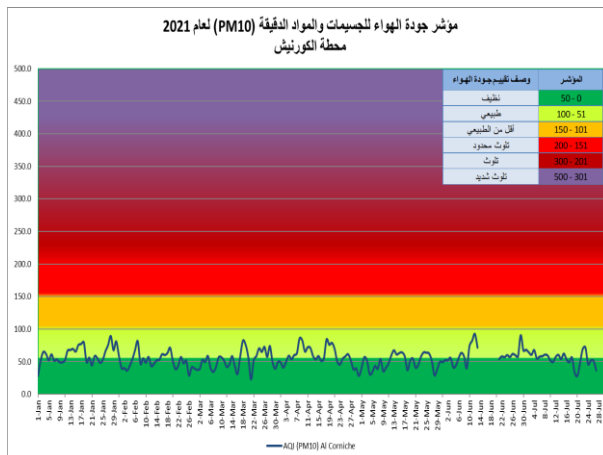
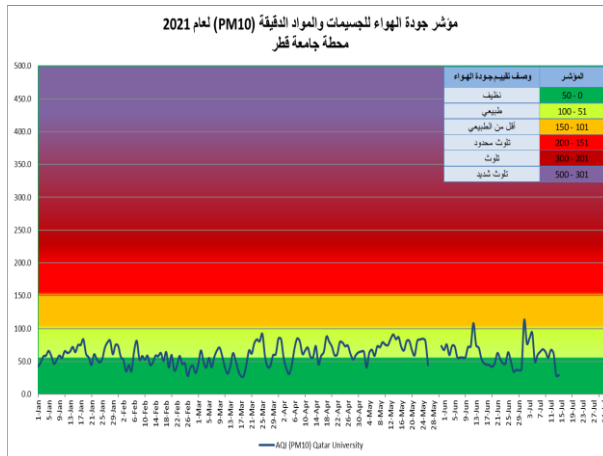
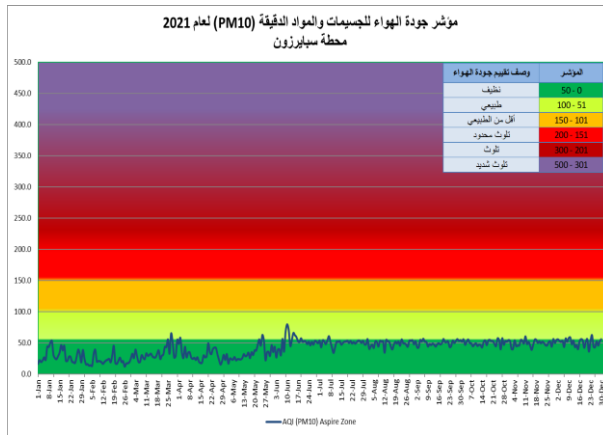
Source: Ministry of Environment and climate change

\* Annual limit was considered to be the indicator description "normal"

Description of the air pollution index

Clean	0-50	Limited pollution	151-200
Normal	51-100	Pollution	201-300
Below Normal	101-150	Severe pollution	301-500

Figure (11.6): Air quality indicator PM10 fine particles by location 2021



**Target (11-7): By 2030, provide universal access to safe, inclusive and accessible, green and public spaces, in particular for women and children, older persons and persons with disabilities**

**11.7.1 Average share of the built-up area of cities that is open space for public use for all, by sex, age and persons with disabilities**

Figure (11.7): Percentage of open spaces in public areas to total built-up area by sex, age group and municipality (2015)

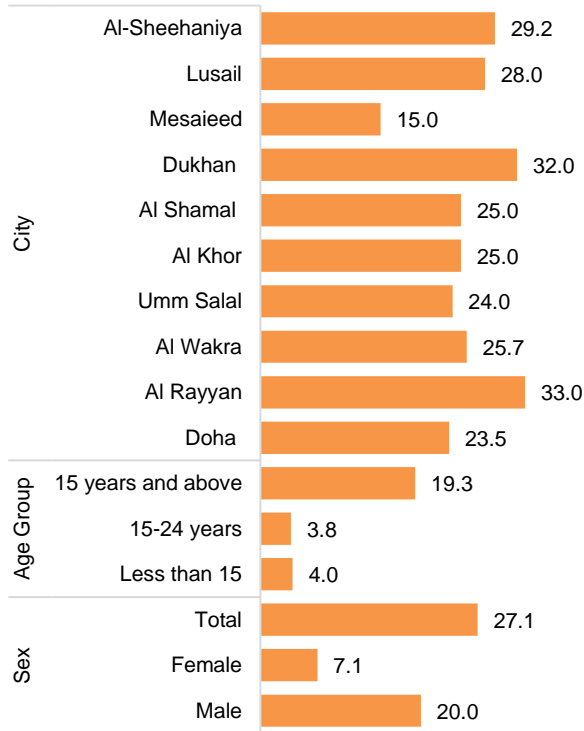


Table (11-10)

**Average share of the built-up area of cities that is open space for public use for all, by sex, age and persons (2015)**

Characteristics		2015
Qataris	Males	1.7
	Females	1.7
	Average	3.3
Non-Qataris	Males	18.3
	Females	5.4
	Average	23.7

Table  
(11-10)

## Average share of the built-up area of cities that is open space for public use for all, by sex, age and persons (2015)

Characteristics		2015
Total	Males	20.0
	Females	7.1
	Average	27.1
Age group	Less than 15	4.0
	15-24	3.8
	25 +	19.3
	Average	27.1
Gender Parity Index		0.36

\* The open space area was allocated to population according to their relative distribution by sex and age groups, so that the share of each population segment of the area is equivalent to its demographic weight.

Source: PSA, Land Use Survey and Census 2015

Table (11-11)

## Percentage of open spaces in public areas to the total built-up area (%) (2015)

Built-up buildings	Percentage of open spaces in public areas to total built-up area (%)	Total area of open spaces in public areas (km <sup>2</sup> )	Population in the geographic range	Total built-up buildings (km <sup>2</sup> )
Doha	23.5%	40.08	587,058	170.47
Al Rayyan	33.4%	103.04	969,880	308.50
Al Wakra	25.7%	34.50	253,184	134.06
Umm Salal	23.9%	49.64	130,269	207.30
Al Khor	25.4%	6.12	92,615	24.11
Al Shamal	24.7%	2.47	6,053	9.99
Dukhan	32.7%	0.56	6,749	1.71
Mesaieed	14.8%	6.69	37,662	45.35
Lusail	28.1%	7.55	1,338	26.87
Al-Sheehaniya	29.2%	7.98	132,388	27.29
Total	27.1%	258.63	2,217,196	955.65

Source: PSA, Land Use Survey and Census 2015.

## 11.7.2 Proportion of persons victim of physical or sexual harassment, by sex, age, disability status and place of occurrence, in the previous 12 month

Figure (11-8): Proportion of victims of physical or sexual harassment out of the total population (2016-2021)

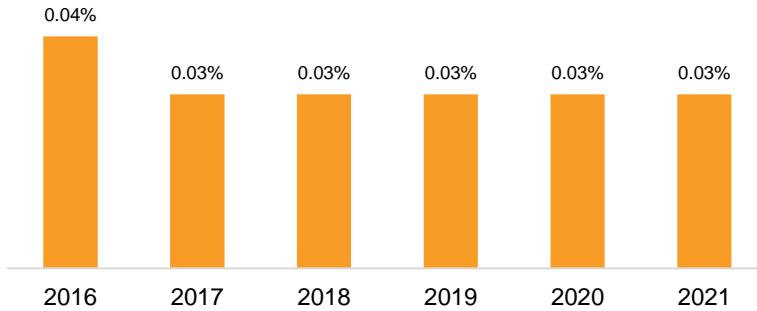


Table (11-12) Number and proportion of persons victim of physical or sexual harassment, by characteristics (2016-2021)

Characteristics		2016	2017	2018	2019	2020	2021	
Percentage of victims of physical or sexual harassment out of the total population (%)	Males	0.03%	0.03%	0.03%	0.03%	0.02%	0.02%	
	Females	0.04%	0.04%	0.03%	0.04%	0.03%	0.03%	
	Total	0.04%	0.03%	0.03%	0.03%	0.03%	0.03%	
Number of victims by healthy person and gender	Males	673	639	534	572	476	617	
	Females	245	268	241	321	257	453	
	Total	918	907	775	893	733	1,070	
Number of victims by people with special needs and gender	Males	0	0	3	0	0	0	
	Females	0	0	4	0	0	0	
	Total	0	0	7	0	0	0	
Total number of victims by gender	Males	673	639	537	572	476	617	
	Females	245	268	245	321	257	453	
	Total	918	907	782	893	733	1,070	
Number of victims by gender and type of harassment	Males	Physical harassment	239	227	191	203	169	100
	Females		87	95	87	114	91	182
	Total		326	322	278	317	260	282
Number of victims by gender and type of harassment	Males	Sexual harassment	434	412	346	369	307	517
	Females		158	173	158	207	166	271
	Total		592	585	504	576	473	788
Number of victims by gender and type of age-group	Males	Less than 15	0	0	21	0	21	31
		15-64	666	628	510	563	450	578
		65+	4	6	6	6	4	6
		Not shown	3	5	0	3	1	2
		Total	673	639	537	572	476	617

Table (11-12) **Number and proportion of persons victim of physical or sexual harassment, by characteristics (2016-2021)**

Characteristics		2016	2017	2018	2019	2020	2021	
Number of victims by gender and marital status	Females	Less than 15	0	0	11	0	8	31
		15-64	242	264	233	316	241	418
		65+	2	3	1	3	4	4
		Not shown	1	1	0	2	4	0
		Total	245	268	245	321	257	453
	Total	Less than 15	0	0	32	0	29	62
		15-64	908	892	743	879	691	996
		65+	6	9	7	9	8	10
		Not shown	4	6	0	5	5	2
		Total	918	907	782	893	733	1,070
Number of victims by gender and educational status	Males	Never Married	321	267	311	354	282	383
		Married	352	372	224	216	188	226
		Divorced	0	0	2	2	6	8
		Widower	0	0	0	0	0	0
		Total	673	639	537	572	476	617
	Females	Never Married	68	53	95	122	101	197
		Married	177	215	137	177	138	233
		Divorced	0	0	13	19	15	22
		Widower	0	0	0	3	3	1
		Total	245	268	245	321	257	453
Total	Never Married	389	425	406	476	383	580	
	Married	529	215	361	393	326	459	
	Divorced	0	0	15	21	21	30	
	Widower	0	0	0	3	3	1	
	Total	918	535	782	893	733	1,070	
Number of victims by gender and educational status	Males	None	76	70	139	79	75	89
		Primary	67	69	54	70	67	79
		Preparatory & Secondary	243	238	209	225	141	172
		University and above	123	134	47	83	67	110
		N/A	164	128	88	115	126	167
		Total	673	639	537	572	476	617
	Females	None	23	48	24	34	13	35
		Primary	20	31	11	40	17	33
		Preparatory & Secondary	110	88	92	140	101	135
		University and above	38	57	56	44	52	104
		N/A	54	44	62	63	74	146
		Total	245	268	245	321	257	453

Table (11-12) **Number and proportion of persons victim of physical or sexual harassment, by characteristics (2016-2021)**

Characteristics		2016	2017	2018	2019	2020	2021
Total	None	99	118	163	113	88	124
	Primary	87	100	65	110	84	112
	Preparatory & Secondary	353	326	301	365	242	307
	University and above	161	191	103	127	119	214
	N/A	218	172	150	178	200	313
	Total	918	535	782	893	733	1,070
Males	Doha	250	228	64	257	231	320
	Al Rayyan	233	273	257	203	139	147
	Al Wakra	116	64	87	41	41	54
	Umm Slal	14	0	1	29	21	21
	Al Khor	21	50	81	16	13	11
	Al Shamal	1	0	16	3	3	4
	Al Dhaayen	10	0	4	0	12	15
	Al-Sheehaniya	28	24	27	23	16	45
	Total	673	639	537	572	476	617
Females	Doha	131	128	125	146	113	194
	Al Rayyan	56	63	56	94	83	141
	Al Wakra	31	24	16	24	18	49
	Umm Salal	10	0	0	38	21	29
	Al Khor	5	48	32	10	3	18
	Al Shamal	0	0	9	2	0	2
	Al Dhaayen	9	0	0	1	16	9
	Al-Sheehaniya	3	5	7	6	3	11
	Total	245	268	245	321	257	453
Total	Doha	381	356	189	403	344	514
	Al Rayyan	289	336	313	297	222	288
	Al Wakra	147	88	103	65	59	103
	Umm Salal	24	0	1	67	42	50
	Al Khor	26	98	113	26	16	29
	Al Shamal	1	0	25	5	3	6
	Al Dhaayen	19	0	4	1	28	24
	Al-Sheehaniya	31	29	34	29	19	56
	Total	918	907	782	893	733	1,070

Table (11-12) **Number and proportion of persons victim of physical or sexual harassment, by characteristics (2016-2021)**

Characteristics		2016	2017	2018	2019	2020	2021	
Number of victims by sex and relationship to labor force	Males	Employed	668	633	459	543	410	541
		Unemployed	0	0	0	0	5	9
		Full-time student	5	5	47	25	41	51
		Full-time Housewife	0	0	0	0	0	0
		Retired	0	1	2	4	4	5
		Other	0	0	29	0	16	11
		Total	673	639	537	572	476	617
	Females	Employed	193	251	137	274	129	212
		Unemployed	0	0	0	0	12	0
		Full-time student	0	16	14	1	26	61
		Full-time Housewife	50	1	90	45	83	154
		Retired	2	0	0	1	2	2
		Other	0	0	4	0	5	24
		Total	245	268	245	321	257	453
	Total	Employed	861	884	596	817	539	753
		Unemployed	0	0	0	0	17	9
		Full-time student	5	21	61	26	67	112
		Full-time Housewife	50	1	90	45	83	154
		Retired	2	1	2	5	6	7
		Other	0	0	33	0	21	35
		Total	918	907	782	893	733	1,070
Number of victims by gender and place of violence	Males	Residence	285	273	257	213	204	281
		Camp	3	3	15	7	3	5
		Street	203	176	141	176	139	128
		School	22	24	14	31	16	8
		Other	160	163	28	46	114	195
		Total	673	639	455	473	476	617
	Females	Residence	170	206	188	241	177	291
		Camp	0	1	2	0	0	4
		Street	31	21	19	29	22	31
		School	8	5	7	5	5	4
		Other	36	35	0	0	53	123
Total	245	268	216	275	257	453		



Table (11-12) **Number and proportion of persons victim of physical or sexual harassment, by characteristics (2016-2021)**

Characteristics		2016	2017	2018	2019	2020	2021
Total	Residence	455	479	445	454	381	572
	Camp	3	4	17	7	3	9
	Street	234	197	160	205	161	159
	School	30	29	21	36	21	12
	Other	196	198	28	46	167	318
	Total	918	907	671	748	733	1,070
Gender Parity Index		0.36	0.42	0.45	0.56	0.54	0.73

Source: Ministry of Interior & PSA calculations

**Target (11.a): Support positive economic, social and environmental links between urban, peri-urban and rural areas by strengthening national and regional development planning**

**11.a.1 Number of countries that have national urban policies or regional development plans that (a) respond to population dynamics; (b) ensure balanced territorial development; and (c) increase local fiscal space.**

Table (11-13) **Number of countries that have national urban policies or regional development plans that (a) respond to population dynamics; (b) ensure balanced territorial development; and (c) increase local fiscal space (2016-22)**

Description	2016	2017	2018	2019	2020	2021	2022
Taking population projections into consideration (1=Yes, 0=No)	1	1	1	1	1	1	1
Taking resource needs into consideration (1=Yes, 0=No)	1	1	1	1	1	1	1

Source: PSA

**Target (11-b):** By 2020, substantially increase the number of cities and human settlements adopting and implementing integrated policies and plans towards inclusion, resource efficiency, mitigation and adaptation to climate change, resilience to disasters, and develop and implement, in line with the Sendai Framework for Disaster Risk Reduction 2015-2030, holistic disaster risk management at all levels

**11.b.1 Number of countries that adopt and implement national disaster risk reduction strategies in line with the Sendai Framework for Disaster Risk Reduction 2015–2030.**

Indicator	Qatar's adoption and implementation of national disaster risk reduction strategies in line with the Sendai Framework for Disaster Risk Reduction (2016-2022)						
	2016	2017	2018	2019	2020	2021	2022
Qatar's adoption and implementation of national disaster risk reduction strategies in line with the Sendai Framework for Disaster Risk Reduction (1=Yes, 0=No)	1	1	1	1	1	1	1

Source: PSA

**11-b-2 Proportion of local governments that adopt and implement local disaster risk reduction strategies in line with national disaster risk reduction strategies.**

Sub-indicator	Proportion of local governments that adopt and implement local disaster risk reduction strategies in line with national disaster risk reduction strategies (2016-2022)						
	2016	2017	2018	2019	2020	2021	2022
(a) Proportion of local governments that adopt and implement local disaster risk reduction strategies in line with national disaster risk reduction strategies (%)	100%	100%	100%	100%	100%	100%	100%
(b) No. of local governments that adopt and implement local disaster risk reduction strategies in line with national disaster risk reduction strategies	1	1	1	1	1	1	1
(c) Total number of local governments	1	1	1	1	1	1	1

\*Note: Doha is the central government of the country

Source: Ministry of Interior