



مركز الإحصاء
STATISTICS CENTRE



Statistical Yearbook of Abu Dhabi 2018



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Statistical Yearbook of Abu Dhabi 2018



His Highness Sheikh
Khalifa bin Zayed Al Nahyan

President of the United Arab Emirates



His Highness Sheikh

Mohammad bin Zayed Al Nahyan

Crown Prince of Abu Dhabi and Deputy Supreme
Commander of the UAE Armed Forces

Foreword

The Statistics Centre - Abu Dhabi (SCAD) is pleased to present the Abu Dhabi Statistical Yearbook – 2018, this annual publication, closely monitors a whole spectrum of indicators that gauge the comprehensive development taking place across the Emirate under the wise leadership of HH Sheikh Khalifa bin Zayed Al Nahyan, President of the United Arab Emirates and Ruler of Abu Dhabi, and the sustained support and guidance of his HH General Sheikh Mohammed bin Zayed Al Nahyan, Crown Prince of Abu Dhabi, Deputy Supreme Commander of the Armed Forces and Chairman of the Executive Council of the Emirate of Abu Dhabi.

The publication of Abu Dhabi Statistical Yearbook 2018 translates SCAD's belief in the importance of timely access to statistical data and information in decision support and policy making at all public and private levels. SYB 2018 covers a wide range of developments and highlights the major transformations experienced by the emirate in all spheres, including the economy, the population, the society and the environment.

It remains to be noted that despite the thorough efforts made by SCAD in collecting data, conducting surveys and compiling various indicators for this statistical abstract, the credit for the widespread interest in this release among broad segments of society goes also to the collaboration of our strategic partners, namely, local government entities, Federal ministries, and private enterprises, which supplied the centre with a considerable proportion of the datasets required for this publication, realizing the importance of working in true team spirit for the progress of the nation.

In line with the "Paperless Centre initiative" and the transformation towards fully electronic operations, hard copies of the Statistical Year Book have been discontinued, with only the digital copy made available to meet users' needs and support the emirate's decision-making and policy planning.

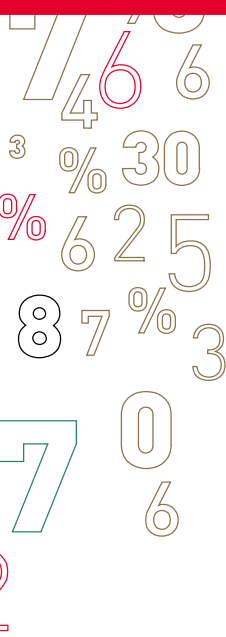


Rashed Lahej Al Mansoori
Chairman

October 2018



Units and Abbreviations



na, -	= Figure not available
0 (0.0)	= Less than half of unit concerned
blank	= Not applicable
C°	= Degree Celsius
GDP	= Gross Domestic Product
No.	= Number
mm	= Millimetre
kg	= Kilogram
km	= Kilometre
kwh	= Kilowatt per hour
mwh	= Megawatt per hour
BTU	= British Thermal Unit
'000	= in thousands
AED	= UAE Dirham
FDI	= Foreign Direct Investment
GCC	= Gulf Cooperation Council
CPI	= Consumer Price Index
MCM	= Million Cubic Metres
LNG	= Liquefied Natural Gas
Sq.	= Square
hPA	= Hectopascal
mph	= Miles per hour
h	= Hour
mcg	= Microgram
Donum	= One thousand square meters

- Figures in italics are not final and subject to revision.
- Due to rounding, some totals may not equal the sum of components.
- Unless otherwise indicated, all the tables of this book pertain to the Emirate of Abu Dhabi. However, when mentioned in table titles or within table cells "Abu Dhabi" refers only to the Region of Abu Dhabi and not the whole Emirate.

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1. Economy

- Economic Aggregates
- Merchandise Foreign Trade
- Prices
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- Foreign Investment

1. Economy

Creating strategies to ensure development and reform towards a diversified economy in the Emirate of Abu Dhabi are amongst the key objectives of the supreme leadership of the Emirate. The sustained focus on these and other supporting objectives, combined with the competitive edge the emirate enjoys, placed Abu Dhabi's economy in a strong position, regionally and internationally.

The Gross Domestic Product (GDP) is one of the most important economic indicators. It comprises the total of all goods and services produced in an economy, minus the intermediate goods and services consumed as inputs in the production process. It is also defined as the total value added to the economy by resident producers during the year. Non-oil GDP is another important indicator because it allows more in-depth analysis of developments in the economy by excluding the influence from the oil activity and its price fluctuations. Abu Dhabi's economy has strengthened continuously during recent times because of the focus towards the establishment of structures that is supportive of economic diversification and comprehensive development. As the most dynamic economy in the region, it has moved away from significant dependence on the public sector expenditures and reliance on unstable revenues from the oil sector towards an economy, which became more diverse across a wide range of core activities.

The tables and graphs presented in this chapter of the statistical yearbook describe the performance of all economic activities in the Emirate. The data and indicators presented supports policies and decision makers and illustrate the growth and stability achieved by Abu Dhabi's economy during the previous years. The tables also represent data on national accounts, such as the Gross Domestic Product by economic activity at current and at constant prices, which removes the effect of prices and inflation. In addition, growth rates, contribution of economic activities to the GDP and per capita gross domestic product statistics are provided. The chapter also presents data on capital formation by economic activities, compensation of employees at current prices, Abu Dhabi Government finance and other diverse data of economic interest.

2017

GDP at Current Prices (Million AED)	832,470
GDP at 2007 Constant Prices (Million AED)	785,591
GDP at Current Prices Growth Rate (%)	9.5
Oil Share in GDP at Current Prices (%)	35.9
GDP Per Capita at Current Prices (Thousand AED)	287.7
GDP Per Capita at 2007 Constant Prices (Thousand AED)	271.5
Gross Fixed Capital Formation (Million AED)	182,341
Foreign Direct Investment (Million AED), 2016	100,887
Oil, Gas and Oil Products Exports of the Emirate of Abu Dhabi (Million AED)	174,893
Non-oil Exports of the Emirate of Abu Dhabi (Million AED)	22,347
Re-exports through the Ports of the Emirate of Abu Dhabi (Million AED)	21,771
Imports of the Emirate of Abu Dhabi (Million AED)	112,120
Inflation Rate (%)	1.6

1.1. Economic Aggregates

This section of the statistical book includes detailed statistics on macroeconomic variables, which accurately monitor the most important economic developments, thus contributing to provide a true picture of the economy of the Emirate of Abu Dhabi. It includes statistics of GDP by economic activity at current and constant prices, annual growth rates, the contribution of economic activities to GDP, in addition to the fixed capital formation by economic activity, and other data related to the economy of the Emirate.

Abu Dhabi's 2017 GDP estimates at current prices was AED 832,470 million compared with AED 760,396 million in 2016. As other data of 2017 indicate, the GDP per capita at current prices amounted to AED 287.7 thousand, total fixed capital formation was AED 182,341 million, while the compensation of employees was AED 233,573 million.

GDP at constant prices depicts how much goods and services were produced in volume terms and is measured by holding prices constant. GDP at constant prices was AED 785,591 million in 2017 compared with AED 789,716 million in 2016. The GDP per capita at constant prices amounted to AED 271.5 thousand in 2017 compared to AED 271.6 thousand in 2016.

1.1.1 Gross Domestic Product by Economic Activity at Current Prices

(Million AED)

Economic Activity	2010	2014	2015	2016	2017*
Total	639,952	960,146	778,501	760,396	832,470
Agriculture, forestry and fishing	4,359	5,517	5,699	5,932	6,224
Mining and quarrying (includes crude oil and natural gas)	315,535	485,469	273,078	241,148	298,814
Manufacturing	34,268	51,900	50,324	49,842	54,021
Electricity, gas, and water supply; waste management	16,088	23,765	29,831	30,524	34,182
Construction	78,051	83,812	88,782	85,306	82,288
Wholesale and retail trade; repair of motor vehicles and motorcycles	26,640	37,187	41,038	47,671	47,425
Transportation and storage	20,096	36,166	37,065	27,624	27,752
Accommodation and food services	7,249	9,013	9,244	9,828	10,161
Information and communication	18,611	20,643	21,293	22,261	23,066
Financial and insurance	26,878	61,331	68,555	73,244	75,010
Real estate	21,852	35,972	41,177	46,814	45,268
Professional, scientific and technical	17,415	18,545	19,016	19,467	20,006
Administrative and support services	7,491	10,173	10,811	12,047	13,136
Public administration and defence; compulsory social security	30,662	51,620	52,383	55,309	60,574
Education	6,443	11,463	11,719	13,214	13,419
Human health and social work	3,429	11,224	11,604	12,560	13,186
Arts, recreation and other services	3,314	2,294	2,381	2,563	2,688
Activities of households as employers	1,572	4,052	4,502	5,042	5,249

Source: Statistics Centre - Abu Dhabi

* Preliminary estimates

1.1.2 Gross Domestic Product by Economic Activity at Constant Prices (2007)

(Million AED)

Economic Activity	2010	2014	2015	2016	2017*
Total	587,107	733,825	770,011	789,716	785,591
Agriculture, forestry and fishing	4,293	5,009	5,084	5,240	5,369
Mining and quarrying (includes crude oil and natural gas)	302,138	363,172	379,067	389,270	377,886
Manufacturing	30,683	40,481	42,791	44,140	46,379
Electricity, gas, and water supply; waste management	14,975	19,787	24,372	24,923	27,503
Construction	78,505	80,917	84,678	82,643	79,300
Wholesale and retail trade; repair of motor vehicles and motorcycles	22,253	26,750	28,664	32,844	32,160
Transportation and storage	15,834	22,103	21,329	16,463	16,071
Accommodation and food services	5,593	7,688	7,842	8,528	9,161
Information and communication	18,752	19,931	20,584	22,027	23,002
Financial and insurance	23,588	48,598	53,493	55,949	57,784
Real estate	17,478	27,913	29,867	32,059	31,795
Professional, scientific and technical	14,598	14,429	14,094	14,241	14,405
Administrative and support services	6,279	7,915	8,012	8,813	9,458
Public administration and defence; compulsory social security	19,248	29,748	30,175	31,283	33,721
Education	6,388	7,346	7,560	8,284	8,329
Human health and social work	2,238	7,100	7,298	7,445	7,550
Arts, recreation and other services	2,946	1,785	1,765	1,875	1,936
Activities of households as employers	1,318	3,153	3,336	3,689	3,779

Source: Statistics Centre - Abu Dhabi

* Preliminary estimates

1.1.3 GDP Per Capita at Current Prices

Item	2010	2014	2015	2016	2017*
GDP (Million AED)	639,952	960,146	778,501	760,396	832,470
Oil GDP (Million AED)	315,535	485,469	273,078	241,148	298,814
Non-oil GDP (Million AED)	324,417	474,676	505,424	519,248	533,656
GDP per capita (Thousand AED)	305.5	361.4	279.6	261.5	287.7
Oil GDP per capita (Thousand AED)	150.7	182.8	98.1	82.9	103.3
Non-oil GDP per capita (Thousand AED)	154.9	178.7	181.5	178.5	184.4
GDP per capita annual growth (%)	16.0	-3.3	-22.6	-6.5	10.0
Oil GDP per capita annual growth (%)	28.9	-10.3	-46.3	-15.4	24.5
Non-oil GDP per capita annual growth (%)	5.7	5.1	1.6	-1.6	3.3

Source: Statistics Centre - Abu Dhabi

* Preliminary estimates

1.1.4 GDP Per Capita at Constant Prices (2007)

Item	2010	2014	2015	2016	2017*
GDP (Million AED)	587,107	733,825	770,011	789,716	785,591
Oil GDP (Million AED)	302,138	363,172	379,067	389,270	377,886
Non-oil GDP (Million AED)	284,969	370,653	390,944	400,446	407,704
GDP per capita (Thousand AED)	280.3	276.2	276.5	271.6	271.5
Oil GDP per capita (Thousand AED)	144.3	136.7	136.1	133.9	130.6
Non-oil GDP per capita (Thousand AED)	136.1	139.5	140.4	137.7	140.9
GDP per capita annual growth (%)	3.3	-2.0	0.1	-1.8	0.0
Oil GDP per capita annual growth (%)	3.7	-5.7	-0.4	-1.7	-2.4
Non-oil GDP per capita annual growth (%)	2.8	1.9	0.6	-1.9	2.3

Source: Statistics Centre - Abu Dhabi

* Preliminary estimates

1.1.5 Annual Growth Rates of the GDP by Economic Activity at Current Prices
(%)

Economic Activity	2010	2014	2015	2016	2017*
Total	19.5	3.0	-18.9	-2.3	9.5
Agriculture, forestry and fishing	-3.0	3.1	3.3	4.1	4.9
Mining and quarrying (includes crude oil and natural gas)	32.9	-4.4	-43.7	-11.7	23.9
Manufacturing	21.0	12.4	-3.0	-1.0	8.4
Electricity, gas, and water supply; waste management	13.1	9.9	25.5	2.3	12.0
Construction	4.6	7.3	5.9	-3.9	-3.5
Wholesale and retail trade; repair of motor vehicles and motorcycles	1.8	14.9	10.4	16.2	-0.5
Transportation and storage	40.8	10.6	2.5	-25.5	0.5
Accommodation and food services	21.2	9.7	2.6	6.3	3.4
Information and communication	-21.0	11.3	3.1	4.5	3.6
Financial and insurance	-2.8	20.6	11.8	6.8	2.4
Real estate	20.5	23.3	14.5	13.7	-3.3
Professional, scientific and technical	3.9	5.0	2.5	2.4	2.8
Administrative and support services	-18.9	9.8	6.3	11.4	9.0
Public administration and defence; compulsory social security	49.1	7.5	1.5	5.6	9.5
Education	-7.3	12.1	2.2	12.8	1.6
Human health and social work	-1.4	9.9	3.4	8.2	5.0
Arts, recreation and other services	68.1	2.9	3.8	7.6	4.9
Activities of households as employers	4.6	26.0	11.1	12.0	4.1

Source: Statistics Centre - Abu Dhabi

* Preliminary estimates

1.1.6 Annual Growth Rates of the GDP by Economic Activity at Constant Prices (2007)

(%)

Economic Activity	2010	2014	2015	2016	2017*
Total	6.5	4.4	4.9	2.6	-0.5
Agriculture, forestry and fishing	-1.8	0.6	1.5	3.1	2.5
Mining and quarrying (includes crude oil and natural gas)	6.9	0.5	4.4	2.7	-2.9
Manufacturing	7.7	6.6	5.7	3.2	5.1
Electricity, gas, and water supply; waste management	4.9	10.1	23.2	2.3	10.4
Construction	9.9	3.9	4.6	-2.4	-4.0
Wholesale and retail trade; repair of motor vehicles and motorcycles	0.6	10.3	7.2	14.6	-2.1
Transportation and storage	24.3	8.4	-3.5	-22.8	-2.4
Accommodation and food services	25.7	5.8	2.0	8.7	7.4
Information and communication	-19.6	11.7	3.3	7.0	4.4
Financial and insurance	-5.4	19.1	10.1	4.6	3.3
Real estate	12.0	14.9	7.0	7.3	-0.8
Professional, scientific and technical	0.9	1.7	-2.3	1.0	1.1
Administrative and support services	-21.3	6.3	1.2	10.0	7.3
Public administration and defence; compulsory social security	45.9	5.0	1.4	3.7	7.8
Education	4.1	4.2	2.9	9.6	0.6
Human health and social work	-1.9	10.0	2.8	2.0	1.4
Arts, recreation and other services	67.8	-0.3	-1.1	6.2	3.2
Activities of households as employers	1.5	22.1	5.8	10.6	2.5

Source: Statistics Centre - Abu Dhabi

* Preliminary estimates

1.1.7 Percentage Distribution of the GDP by Economic Activity at Current Prices

(%)

Economic Activity	2010	2014	2015	2016	2017*
Total	100	100	100	100	100
Agriculture, forestry and fishing	0.7	0.6	0.7	0.8	0.7
Mining and quarrying (includes crude oil and natural gas)	49.3	50.6	35.1	31.7	35.9
Manufacturing	5.4	5.4	6.5	6.6	6.5
Electricity, gas, and water supply; waste management	2.5	2.5	3.8	4.0	4.1
Construction	12.2	8.7	11.4	11.2	9.9
Wholesale and retail trade; repair of motor vehicles and motorcycles	4.2	3.9	5.3	6.3	5.7
Transportation and storage	3.1	3.8	4.8	3.6	3.3
Accommodation and food services	1.1	0.9	1.2	1.3	1.2
Information and communication	2.9	2.1	2.7	2.9	2.8
Financial and insurance	4.2	6.4	8.8	9.6	9.0
Real estate	3.4	3.7	5.3	6.2	5.4
Professional, scientific and technical	2.7	1.9	2.4	2.6	2.4
Administrative and support services	1.2	1.1	1.4	1.6	1.6
Public administration and defence; compulsory social security	4.8	5.4	6.7	7.3	7.3
Education	1.0	1.2	1.5	1.7	1.6
Human health and social work	0.5	1.2	1.5	1.7	1.6
Arts, recreation and other services	0.5	0.2	0.3	0.3	0.3
Activities of households as employers	0.2	0.4	0.6	0.7	0.6

Source: Statistics Centre - Abu Dhabi

* Preliminary estimates

1.1.8 Percentage Distribution of the GDP by Economic Activity at Constant Prices (2007)

(%)

Economic Activity	2010	2014	2015	2016	2017*
Total	100	100	100	100	100
Agriculture, forestry and fishing	0.7	0.7	0.7	0.7	0.7
Mining and quarrying (includes crude oil and natural gas)	51.5	49.5	49.2	49.3	48.1
Manufacturing	5.2	5.5	5.6	5.6	5.9
Electricity, gas, and water supply; waste management	2.6	2.7	3.2	3.2	3.5
Construction	13.4	11.0	11.0	10.5	10.1
Wholesale and retail trade; repair of motor vehicles and motorcycles	3.8	3.6	3.7	4.2	4.1
Transportation and storage	2.7	3.0	2.8	2.1	2.0
Accommodation and food services	1.0	1.0	1.0	1.1	1.2
Information and communication	3.2	2.7	2.7	2.8	2.9
Financial and insurance	4.0	6.6	6.9	7.1	7.4
Real estate	3.0	3.8	3.9	4.1	4.0
Professional, scientific and technical	2.5	2.0	1.8	1.8	1.8
Administrative and support services	1.1	1.1	1.0	1.1	1.2
Public administration and defence; compulsory social security	3.3	4.1	3.9	4.0	4.3
Education	1.1	1.0	1.0	1.0	1.1
Human health and social work	0.4	1.0	0.9	0.9	1.0
Arts, recreation and other services	0.5	0.2	0.2	0.2	0.2
Activities of households as employers	0.2	0.4	0.4	0.5	0.5

Source: Statistics Centre - Abu Dhabi

* Preliminary estimates

1.1.9 Gross Fixed Capital Formation by Economic Activity at Current Prices

(Million AED)

Economic Activity	2010	2014	2015	2016	2017*
Total	142,852	165,624	177,408	186,922	182,341
Agriculture, forestry and fishing	486	664	701	703	731
Mining and quarrying (includes crude oil and natural gas)	33,716	29,176	44,082	60,343	55,354
Manufacturing	28,740	19,691	12,911	11,611	12,353
Electricity, gas, and water supply; waste management	12,634	7,912	10,185	5,059	5,832
Construction	4,541	4,438	4,526	3,811	3,763
Wholesale and retail trade; repair of motor vehicles and motorcycles	1,205	2,743	3,168	3,555	3,587
Transportation and storage	11,253	22,630	25,047	17,012	17,079
Accommodation and food services	505	1,162	1,047	1,149	1,263
Information and communication	1,979	2,087	2,981	2,500	2,722
Financial and insurance	5,687	2,884	3,501	3,604	3,718
Real estate	9,446	34,345	37,420	38,169	39,025
Professional, scientific and technical	309	644	570	542	548
Administrative and support services	416	1,585	1,628	1,816	1,949
Public administration and defence; compulsory social security	26,842	29,272	21,993	31,856	28,622
Education	3,181	2,873	3,634	2,687	2,958
Human health and social work	1,592	3,259	3,761	2,243	2,545
Arts, recreation and other services	317	259	252	263	292

Source: Statistics Centre - Abu Dhabi

* Preliminary estimates

1.1.10 Percentage Distribution of Gross Fixed Capital Formation by Economic Activity at Current Prices

(%)

Economic Activity	2010	2014	2015	2016	2017*
Total	100	100	100	100	100
Agriculture, forestry and fishing	0.3	0.4	0.4	0.4	0.4
Mining and quarrying (includes crude oil and natural gas)	23.6	17.6	24.8	32.3	30.4
Manufacturing	20.1	11.9	7.3	6.2	6.8
Electricity, gas, and water supply; waste management	8.8	4.8	5.7	2.7	3.2
Construction	3.2	2.7	2.6	2.0	2.1
Wholesale and retail trade; repair of motor vehicles and motorcycles	0.8	1.7	1.8	1.9	2.0
Transportation and storage	7.9	13.7	14.1	9.1	9.4
Accommodation and food services	0.4	0.7	0.6	0.6	0.7
Information and communication	1.4	1.3	1.7	1.3	1.5
Financial and insurance	4.0	1.7	2.0	1.9	2.0
Real estate	6.6	20.7	21.1	20.4	21.4
Professional, scientific and technical	0.2	0.4	0.3	0.3	0.3
Administrative and support services	0.3	1.0	0.9	1.0	1.1
Public administration and defence; compulsory social security	18.8	17.7	12.4	17.0	15.7
Education	2.2	1.7	2.0	1.4	1.6
Human health and social work	1.1	2.0	2.1	1.2	1.4
Arts, recreation and other services	0.2	0.2	0.1	0.1	0.2

Source: Statistics Centre - Abu Dhabi

* Preliminary estimates

1.1.11 Gross Fixed Capital Formation by Economic Activity as a Percentage of the GDP at Current Prices

(%)

Economic Activity	2010	2014	2015	2016	2017*
Total	22.3	17.2	22.8	24.6	21.9
Agriculture, forestry and fishing	0.1	0.1	0.1	0.1	0.1
Mining and quarrying (includes crude oil and natural gas)	5.3	3.0	5.7	7.9	6.6
Manufacturing	4.5	2.1	1.7	1.5	1.5
Electricity, gas, and water supply; waste management	2.0	0.8	1.3	0.7	0.7
Construction	0.7	0.5	0.6	0.5	0.5
Wholesale and retail trade; repair of motor vehicles and motorcycles	0.2	0.3	0.4	0.5	0.4
Transportation and storage	1.8	2.4	3.2	2.2	2.1
Accommodation and food services	0.1	0.1	0.1	0.2	0.2
Information and communication	0.3	0.2	0.4	0.3	0.3
Financial and insurance	0.9	0.3	0.4	0.5	0.4
Real estate	1.5	3.6	4.8	5.0	4.7
Professional, scientific and technical	0	0.1	0.1	0.1	0.1
Administrative and support services	0.1	0.2	0.2	0.2	0.2
Public administration and defence; compulsory social security	4.2	3.0	2.8	4.2	3.4
Education	0.5	0.3	0.5	0.4	0.4
Human health and social work	0.2	0.3	0.5	0.3	0.3
Arts, recreation and other services	0	0	0	0	0

Source: Statistics Centre - Abu Dhabi

* Preliminary estimates

1.1.12 Annual Growth Rates of Gross Fixed Capital Formation by Economic Activity at Current Prices

(%)

Economic Activity	2010	2014	2015	2016	2017*
Total	-8.1	16.1	7.1	5.4	-2.5
Agriculture, forestry and fishing	-3.0	8.5	5.6	0.3	4.0
Mining and quarrying (includes crude oil and natural gas)	-0.6	5.6	51.1	36.9	-8.3
Manufacturing	12.2	-16.0	-34.4	-10.1	6.4
Electricity, gas, and water supply; waste management	-22.3	17.8	28.7	-50.3	15.3
Construction	-3.6	14.5	2.0	-15.8	-1.3
Wholesale and retail trade; repair of motor vehicles and motorcycles	-24.3	27.0	15.5	12.2	0.9
Transportation and storage	7.7	77.4	10.7	-32.1	0.4
Accommodation and food services	-65.3	52.5	-9.9	9.7	10.0
Information and communication	14.8	-11.3	42.9	-16.1	8.9
Financial and insurance	57.9	31.6	21.4	2.9	3.2
Real estate	-26.1	24.3	9.0	2.0	2.2
Professional, scientific and technical	-76.1	-20.0	-11.6	-4.9	1.2
Administrative and support services	-79.3	49.2	2.8	11.6	7.3
Public administration and defence; compulsory social security	-27.9	19.1	-24.9	44.8	-10.2
Education	218.9	-10.9	26.5	-26.1	10.1
Human health and social work	24.5	22.8	15.4	-40.4	13.5
Arts, recreation and other services	194.8	8.0	-2.5	4.1	11.0

Source: Statistics Centre - Abu Dhabi

* Preliminary estimates

1.2. Merchandise Foreign Trade

Foreign trade in goods is of paramount importance to the economy of the Emirate of Abu Dhabi and contribute to a considerable proportion of the Emirate's GDP. In 2017, net trade in goods accounted for 12.8% of the GDP, reflecting the contribution of foreign trade to the economy in general.

The non-oil merchandise trade statistics presented in this section comprises trade in goods which entered or exited the territory of the Emirate of Abu Dhabi through the ports of Abu Dhabi (comprising air, sea and road ports). It should be noted that foreign trade data presented in this report do not cover non-oil exports, re-exports and imports through ports of the other Emirates in the UAE.

Commodity imports in goods through the ports of the Emirate Abu Dhabi were valued at AED 112.1 billion in 2017 compared with AED 117.8 billion in 2016. The main imports during 2017 were 'Machinery, sound recorder, reproducers and parts', which accounted for 24.9% of the total value. The United States of America was the main country for imports, from which the Emirate received goods worth AED 16.9 billion. Non-oil exports were valued at AED 22.3 billion, with 'Plastic, rubber and articles thereof' contributing 42.7% of the total. China was the top destination of Abu Dhabi non-oil exports, receiving goods worth AED 4.1 billion from the Emirate in 2017.

Re-exports in 2017 were valued at AED 21.8 billion compared with AED 24.8 billion in 2016. The top category during 2017 was 'Machinery, sound recorders, reproducers and parts', which contributed 24.9% of the re-exports total. The China was the top country destination for re-exports with goods valued at AED 3.4 billion.

The value of imports in goods from Asian countries through the ports of the Emirate of Abu Dhabi was AED 54.3 billion during 2017 compared with AED 55.2 billion in 2016. The value of non-oil exports in goods to Asian countries through the ports of the Emirate of Abu Dhabi was AED 15.6 billion while re-exports to Asian countries amounted to AED 18.1 billion.

1.2.1 Statistics of Foreign Trade in Goods through the Ports of the Emirate of Abu Dhabi

(Million AED)

Item	2010	2014	2015	2016	2017
Total trade in goods	387,275	471,643	354,858	310,740*	331,131*
Total exports of goods	300,702	363,667	235,530	192,924*	219,010*
Oil, gas and oil products	278,105	319,388	185,902	140,136*	174,893*
Non-oil exports of goods	11,611	18,964	30,803	28,029	22,347
Re-exports	10,986	25,316	18,826	24,759	21,771
Imports of goods	86,574	107,976	119,328	117,817	112,120
Net trade in goods	214,128	255,691	116,203	75,107*	106,890*

Source: Statistics Centre - Abu Dhabi

* Preliminary estimates

Oil, gas and oil products 2015 and 2016 does not include Exports of liquefied natural gas data

1.2.2 The Components of Foreign Trade in Goods as a Percentage of Total Trade in Goods through the Ports of the Emirate of Abu Dhabi

(%)

Item	2010	2014	2015	2016	2017
Total trade in goods	100.0	100.0	100.0	100.0	100.0
Total exports of goods	77.6	77.1	66.4	62.1*	66.1*
Oil, gas and oil products	71.8	67.7	52.4	45.1*	52.8*
Non-oil exports of goods	3.0	4.0	8.7	9.0	6.7
Re-exports	2.8	5.4	5.3	8.0	6.6
Imports of goods	22.4	22.9	33.6	37.9	33.9
Net trade in goods	55.3	54.2	32.7	24.2*	32.3*

Source: Statistics Centre - Abu Dhabi

* Preliminary estimates

1.2.3 Indicators of Foreign Trade through the Ports of the Emirate of Abu Dhabi as a Percentage of the GDP at Current Prices

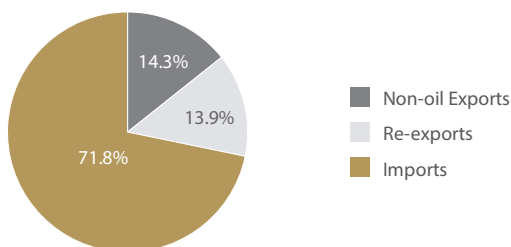
(%)

Item	2010	2014	2015	2016	2017
Total trade in goods	60.5	49.1	45.6	40.9*	39.8*
Total exports of goods	47.0	37.9	30.3	25.4*	26.3*
Oil, gas and oil products	43.5	33.3	23.9	18.4*	21.0*
Non-oil exports of goods	1.8	2.0	4.0	3.7	2.7
Re-exports	1.7	2.6	2.4	3.3	2.6
Imports of goods	13.5	11.2	15.3	15.5	13.5
Net trade in goods	33.5	26.6	14.9	9.9*	12.8*

Source: Statistics Centre - Abu Dhabi

* Preliminary estimates

Figure 1.2.1 Non-oil Foreign Trade in Goods Statistics through the Ports of the Emirate of Abu Dhabi, 2017



1.2.4 Trade Balance of Non-oil Trade in Goods through the Ports of the Emirate of Abu Dhabi by Sections of the Harmonized System (HS), 2017

(Million AED)

Description	Exports	Re-exports	Imports	Balance
Total	22,346.5	21,771.1	112,120.4	-67,551.1
Live animals and products thereof	227.6	19.0	3,067.3	-2,820.7
Vegetable products	89.5	22.0	2,130.0	-2,018.5
Animals or vegetable fats, oil and waxes	156.3	1.1	419.6	-262.2
Foodstuffs, beverages, spirits and tobacco	528.1	540.7	2,098.5	-1,029.7
Mineral products	137.3	12.8	4,506.6	-4,356.5
Products of the chemical or allied industries	320.4	978.9	8,014.4	-6,715.1
Plastic, rubber and articles thereof	9,540.2	254.6	4,226.0	5,568.8
Articles of leather and animal gut; travel goods	1.9	103.4	80.0	25.3
Articles of wood, cork; basketware and wickerwork	13.4	20.6	242.8	-208.8
Pulp of wood, waste, scrap and article of paper	361.4	108.5	1,109.2	-639.3
Textiles and textile articles	217.1	2,117.3	898.1	1,436.3
Footwear, umbrella, articles of feather and hair	2.1	299.0	154.2	146.9
Articles of stone, mica; ceramic products and glass	184.4	85.1	1,365.9	-1,096.4
Pearls, stones, precious metals and articles thereof	380.4	2,249.2	4,963.3	-2,333.7
Base metals and articles of base metals	9,440.1	366.0	18,581.6	-8,775.5
Machinery, sound recorder, reproducers and parts	335.7	5,770.0	27,871.4	-21,765.7
Transport vehicles	302.1	8,103.4	26,760.5	-18,355.0
Photographic, medical, musical instruments and parts	60.3	292.2	2,147.2	-1,794.7
Arms and ammunition; parts and accessories	0.0	0.0	451.7	-451.7
Miscellaneous manufactured articles	34.5	215.9	1,062.3	-811.9
Work of art, collectors pieces and antiques	13.5	211.3	1,969.7	-1,744.9

Source: Statistics Centre - Abu Dhabi

1.2.5 Total Non-oil Exports of Goods to Imports of Goods Ratio for the Emirate of Abu Dhabi by Sections of the Harmonized System (HS)

(%)

Description	2010	2014	2015	2016	2017
Total	26.1	41.0	41.6	44.8	39.5
Live animals and products thereof	7.0	7.8	29.3	14.6	8.0
Vegetable products	4.4	2.3	3.2	4.3	5.2
Animals or vegetable fats, oil and waxes	47.4	52.0	41.9	49.4	37.5
Foodstuffs, beverages, spirits and tobacco	13.2	9.3	25.2	72.8	50.9
Mineral products	2.8	4.0	5.9	4.7	3.3
Products of the chemical or allied industries	23.9	12.7	16.3	14.4	16.2
Plastic, rubber and articles thereof	52.8	129.2	109.5	323.9	231.8
Articles of leather and animal gut; travel goods	88.0	144.1	101.1	69.3	131.6
Articles of wood, cork; basketware and wickerwork	19.9	18.6	21.4	19.4	14.0
Pulp of wood, waste, scrap and article of paper	30.6	31.5	35.0	42.6	42.4
Textiles and textile articles	160.1	213.4	269.3	269.7	259.9
Footwear, umbrella, articles of feather and hair	63.2	166.2	271.9	243.0	195.3
Articles of stone, mica; ceramic products and glass	22.3	27.7	28.7	23.0	19.7
Pearls, stones, precious metals and articles thereof	8.5	16,554.5	542.7	183.3	53.0
Base metals and articles of base metals	11.3	47.8	40.7	45.1	52.8
Machinery, sound recorder, reproducers and parts	26.0	29.8	19.7	21.3	21.9
Transport vehicles	34.2	16.6	16.2	18.9	31.4
Photographic, medical, musical instruments and parts	11.0	14.8	11.5	12.5	16.4
Arms and ammunition; parts and accessories	12.9	0.0	0.0	0.0	0.0
Miscellaneous manufactured articles	21.1	26.5	19.7	17.9	23.6
Work of art, collectors pieces and antiques	572.2	239.3	523.4	479.7	11.4

Source: Statistics Centre - Abu Dhabi

1.2.6 Key Indicators of Non-oil Exports of Goods of the Emirate of Abu Dhabi

(Million AED)

Non-oil Exports of Goods	2010	2014	2015	2016	2017
Total	11,610.8	18,963.6	30,802.8	28,028.7	22,346.5
Agricultural raw materials exports	21.3	56.0	49.3	48.8	25.5
Food products	504.6	664.2	1,624.6	1,376.6	999.9
Manufactured products	10,321.1	12,471.4	12,487.0	18,603.4	13,740.2
Ores and metals	737.7	5,724.4	3,879.7	4,925.5	7,167.6
Other goods	26.1	47.7	12,762.1	3,074.4	413.4

Source: Statistics Centre - Abu Dhabi

1.2.7 Non-oil Exports of Goods of the Emirate of Abu Dhabi by Sections of the Harmonized System (HS)

(Million AED)

Description	2010	2014	2015	2016	2017
Total	11,610.8	18,963.6	30,802.8	28,028.7	22,346.5
Live animals and products thereof	112.3	186.2	804.6	407.2	227.6
Vegetable products	60.0	57.5	67.9	77.9	89.5
Animals or vegetable fats, oil and waxes	154.5	204.5	165.8	219.7	156.3
Foodstuffs, beverages, spirits and tobacco	181.1	217.3	587.6	672.8	528.1
Mineral products	35.9	153.5	189.2	143.4	137.3
Products of the chemical or allied industries	509.0	368.6	425.5	347.1	320.4
Plastic, rubber and articles thereof	2,147.8	6,709.7	6,042.0	13,357.4	9,540.2
Articles of leather and animal gut; travel goods	1.4	2.5	2.9	2.6	1.9
Articles of wood, cork; basket ware and wickerwork	11.5	13.4	12.6	12.5	13.4
Pulp of wood, waste, scrap and article of paper	188.5	301.3	319.7	378.4	361.4
Textiles and textile articles	65.6	201.7	251.7	192.3	217.1
Footwear, umbrella, articles of feather and hair	9.1	2.4	5.2	3.9	2.1
Articles of stone, mica; ceramic products and glass	399.0	309.8	303.8	239.6	184.4
Pearls, stones, precious metals and articles thereof	12.3	6.1	13,079.6	3,372.5	380.4
Base metals and articles of base metals	1,414.4	9,051.9	7,193.3	7,624.1	9,440.1
Machinery, sound recorder, reproducers and parts	553.4	849.9	643.6	348.5	335.7
Transport vehicles	5,699.4	233.9	640.8	515.2	302.1
Photographic, medical, musical instruments and parts	8.3	13.6	6.0	42.5	60.3
Arms and ammunition; parts and accessories	35.8	0.0	0.0	0.0	0.0
Miscellaneous manufactured articles	10.1	71.6	53.2	45.4	34.5
Work of art, collectors pieces and antiques	1.6	8.3	7.8	25.8	13.5

Source: Department of Finance - Customs Administration

1.2.8 Non-oil Exports by Utilization of Items of the Emirate of Abu Dhabi

(Million AED)

Non-oil Exports of Goods	2010	2014	2015	2016	2017
Total	11,610.8	18,963.6	30,802.8	28,028.7	22,346.5
Capital goods	5,765.9	807.9	1,117.1	819.0	432.1
Intermediate goods	5,240.4	17,324.2	27,717.6	25,207.5	20,597.6
Final consumption goods	604.5	831.6	1,968.1	2,002.2	1,316.8

Source: Statistics Centre - Abu Dhabi

1.2.9 Non-oil Exports of Creative and Technology Goods of the Emirate of Abu Dhabi

(Million AED)

Non-oil Exports of Goods	2010	2014	2015	2016	2017
Total	138.1	185.1	369.8	562.1	326.9
Creative goods	62.4	161.4	291.6	489.4	145.8
Information and communication technology (ICT) goods	1.4	4.0	12.8	10.1	31.9
High-tech products	74.3	19.7	65.4	62.6	149.3

Source: Statistics Centre - Abu Dhabi

1.2.10 Non-oil Exports of Goods of the Emirate of Abu Dhabi by Continent

(Million AED)

Continent	2016		2017	
	Value	%	Value	%
Total	28,028.7	100.0	22,346.5	100.0
Africa	2,256.5	8.1	1,892.9	8.5
Asia	21,086.1	75.2	15,641.7	70.0
Australia and Oceania	83.1	0.3	46.4	0.2
Europe	3,729.7	13.3	2,152.3	9.6
Northern America	844.5	3.0	2,589.4	11.6
South America	28.7	0.1	23.8	0.1

Source: Statistics Centre - Abu Dhabi

1.2.11 Top Trade in Goods Partners of the Emirate of Abu Dhabi (Non-oil Exports)

(Million AED)

Countries	2016		2017	
	Value	%	Value	%
Total	28,028.7	100.0	22,346.5	100.0
China	5,180.2	18.5	4,129.2	18.5
Saudi Arabia	3,920.2	14.0	2,737.7	12.3
United States of America	767.1	2.7	2,374.5	10.6
India	2,631.9	9.4	1,774.9	7.9
Oman	950.6	3.4	1,193.5	5.3
Netherlands	523.0	1.9	1,014.7	4.5
Singapore	1,857.1	6.6	982.2	4.4
Kuwait	905.2	3.2	815.8	3.7
Qatar	1,684.1	6.0	698.6	3.1
Egypt	962.2	3.4	631.4	2.8
Others	8,647.1	30.9	5,994.1	26.8

Source: Department of Finance - Customs Administration

1.2.12 Non-oil Exports of Goods through the Ports of the Emirate of Abu Dhabi to GCC Countries

(Million AED)

Countries	2016		2017	
	Value	%	Value	%
Total	7,973.1	100.0	5,942.3	100.0
Saudi Arabia	3,920.2	49.2	2,737.7	46.1
Oman	950.6	11.9	1,193.5	20.1
Kuwait	905.2	11.4	815.8	13.7
Qatar	1,684.1	21.1	698.6	11.8
Kingdom of Bahrain	513.0	6.4	496.7	8.4

Source: Department of Finance - Customs Administration

1.2.13 Non-oil Exports of Goods through the Ports of the Emirate of Abu Dhabi by Mode of Shipping

(Million AED)

Mode of Shipping	2016		2017	
	Value	%	Value	%
Total	28,028.7	100.0	22,346.5	100.0
Sea	17,102.7	61.0	15,982.5	71.5
Land	7,029.6	25.1	5,736.1	25.7
Air	3,896.4	13.9	627.9	2.8

Source: Department of Finance - Customs Administration

The Emirate of Abu Dhabi exported 0.48 billion barrels of crude oil in 2017. Japan was the top importer receiving around 31.4% of the Emirate's total crude oil exports. In 2017, the Emirate exported 32.5 million metric tons of refined petroleum products, of which Japan bought 14.2%, followed by Netherlands, which purchased 12.0%.

The Emirate imported 754.5 billion cubic feet of natural gas in 2017, at a daily average of 2.1 billion cubic feet.

1.2.14 Exports of Crude Oil through the Ports of the Emirate of Abu Dhabi by Country

(Thousand Barrels)

Countries	2016*		2017*	
	Volume	%	Volume	%
Total	581,205.1	100.0	480,467.0	100.0
Japan	187,074.4	32.2	150,657.2	31.4
India	88,051.8	15.1	75,129.8	15.6
Singapore	41,262.7	7.1	51,848.5	10.8
Thailand	75,710.7	13.0	47,622.5	9.9
South Korea	55,484.7	9.5	46,983.7	9.8
Pakistan	30,680.6	5.3	35,333.7	7.4
China	45,897.1	7.9	28,759.1	6.0
Taiwan	14,066.9	2.4	19,373.2	4.0
New Zealand	9,895.7	1.7	6,445.6	1.3
Bangladesh	4,434.7	0.8	5,115.2	1.1
Philippines	1,813.1	0.3	3,795.0	0.8
South Africa	4,839.1	0.8	2,475.2	0.5
Australia	5,216.6	0.9	2,218.5	0.5
Sri Lanka	12,733.9	2.2	1,464.6	0.3
Malaysia	2,699.2	0.5	1,396.8	0.3
others	1,344.1	0.2	1,848.3	0.4

Source: Abu Dhabi National Oil Company - ADNOC

* Preliminary estimates

1.2.15 Exports of Refined Petroleum Products through the Ports of the Emirate of Abu Dhabi by Country

(Metric Tons)

Countries	2016*		2017*	
	Volume	%	Volume	%
Total	23,203,947.1	100.0	32,480,500.8	100.0
Japan	3,630,639.1	15.6	4,628,268.0	14.2
Netherlands	3,506,325.3	15.1	3,903,489.7	12.0
China	1,448,749.2	6.2	3,805,732.9	11.7
India	1,880,436.2	8.1	3,514,359.8	10.8
South Korea	2,357,955.1	10.2	3,386,314.1	10.4
Singapore	2,248,550.6	9.7	2,459,373.3	7.6
Indonesia	65,903.0	0.3	1,547,147.0	4.8
Taiwan	921,391.7	4.0	1,274,499.1	3.9
South Africa	507,294.4	2.2	1,119,966.1	3.4
United State of America	27,253.8	0.1	1,014,177.4	3.1
Kenya	858,503.3	3.7	995,044.2	3.1
Gibraltar	756,682.8	3.3	638,543.5	2.0
France	1,424,795.6	6.1	588,721.9	1.8
Malaysia	435,344.4	1.9	552,244.0	1.7
Sudan	0.0	0.0	500,885.9	1.5
Italy	374,628.8	1.6	480,065.8	1.5
Thailand	232,585.9	1.0	359,788.7	1.1
Eritrea	171,099.2	0.7	234,482.2	0.7
Mozambique	0.0	0.0	226,273.9	0.7
Oman	675,992.9	2.9	188,869.5	0.6
Argentina	43,529.4	0.2	139,878.6	0.4
Vietnam	0.0	0.0	137,630.0	0.4
Tanzania	312,852.4	1.3	135,270.3	0.4
Saudi Arabia	144,730.2	0.6	103,166.9	0.3
Pakistan	13,903.1	0.1	84,311.9	0.3
Others	1,164,800.8	5.0	461,996.0	1.4

Source: Abu Dhabi National Oil Company - ADNOC

* Preliminary estimates

1.2.16 Natural Gas Imports of the Emirate of Abu Dhabi

(Million Cubic Feet)

Item	2010	2014	2015	2016	2017
Volume of imports	794,785.7	820,191.1	768,357.0	773,366.4	754,530.0
Daily average	2,177.5	2,247.1	2,105.1	2,118.8	2,067.2

Source: Statistics Centre - Abu Dhabi

1.2.17 Key Indicators of Re-exports through the Ports of the Emirate of Abu Dhabi

(Million AED)

Re-exports of Goods	2010	2014	2015	2016	2017
Total	10,985.9	25,315.9	18,825.8	24,759.2	21,771.1
Agricultural raw materials	24.4	7.6	11.5	13.6	13.5
Food products	109.3	59.8	74.2	917.0	579.6
Manufactured products	10,374.3	22,053.4	16,055.6	17,398.3	18,804.8
Ores and metals	21.0	166.9	48.9	71.4	21.1
Other goods	456.9	3,028.2	2,635.6	6,358.9	2,352.2

Source: Statistics Centre - Abu Dhabi

1.2.18 Re-exports through the Ports of the Emirate of Abu Dhabi by Sections of the Harmonized System (HS)

(Million AED)

Description	2010	2014	2015	2016	2017
Total	10,985.9	25,315.9	18,825.8	24,759.2	21,771.1
Live animals	20.7	22.3	27.4	17.0	19.0
Vegetable products	65.0	15.9	24.0	12.3	22.0
Animal or vegetable fats, oil and waxes	1.1	0.3	0.5	0.6	1.1
Foodstuffs, beverages, spirits and tobacco	28.4	22.6	23.2	887.7	540.7
Mineral products	31.9	29.8	36.0	14.2	12.8
Products of the chemical or allied industries	469.8	901.8	1,397.0	955.4	978.9
Plastics, rubber and articles thereof	124.1	310.0	221.3	292.4	254.6
Articles of leather and animal gut; travel goods	60.3	148.4	92.6	76.3	103.4
Articles of wood, crock, basket ware and wickerwork	85.7	36.7	50.0	31.3	20.6
Pulp of wood, waste, scrap and articles of paper	229.1	94.9	77.4	70.1	108.5
Textiles and textile articles	1,373.0	1,830.5	2,332.5	2,224.3	2,117.3
Footwear, umbrellas, articles of feather and hair	65.6	338.4	425.8	567.1	299.0
Articles of stone, mica, ceramic products and glass	46.5	132.5	114.2	113.2	85.1
Pearls, stones, precious metals and its articles	5.6	9,171.8	2,974.7	6,564.2	2,249.2
Base metals and articles of base meta	376.0	496.7	580.1	430.7	366.0
Machinery, sound recorders, reproducers and parts	5,837.1	6,777.3	5,752.0	6,609.3	5,770.0
Vehicles of transport	1,383.7	4,004.0	3,769.0	5,064.5	8,103.4
Photographic, medical, musical instruments and parts	176.1	350.2	328.8	305.5	292.2
Arms and ammunition, parts and accessories	18.2	0.0	0.0	0.0	0.0
Miscellaneous manufactured articles	143.1	211.9	184.2	177.1	215.9
Pieces and antiques, works of art, collectors	445.0	419.9	415.1	346.1	211.3

Source: Department of Finance - Customs Administration

1.2.19 Re-exports by Utilization of Items of the Emirate of Abu Dhabi

(Million AED)

Re-exports of Goods	2010	2014	2015	2016	2017
Total	10,985.9	25,315.9	18,825.8	24,759.2	21,771.1
Capital goods	4,651.3	4,648.0	3,864.2	2,603.8	2,607.4
Intermediate goods	2,893.4	8,763.6	8,362.7	13,751.4	9,904.9
Final consumption goods	3,441.2	11,904.4	6,598.9	8,404.0	9,258.9

Source: Statistics Centre - Abu Dhabi

1.2.20 Re-exports of Creative and Technology Goods of the Emirate of Abu Dhabi

(Million AED)

Re-exports of Goods	2010	2014	2015	2016	2017
Total	7,713.7	13,125.0	5,897.0	6,900.1	6,549.7
Creative goods	481.4	6,792.1	836.2	848.3	412.1
Information and communication technology (ICT) goods	3,651.7	2,857.7	2,194.2	2,171.1	2,402.0
High-tech products	3,580.6	3,475.1	2,866.5	3,880.7	3,735.6

Source: Statistics Centre - Abu Dhabi

1.2.21 Re-exports through the Ports of the Emirate of Abu Dhabi by Continent

(Million AED)

Continent	2016		2017	
	Value	%	Value	%
Total	24,759.2	100.0	21,771.1	100.0
Africa	277.6	1.1	310.9	1.4
Asia	19,840.6	80.1	18,085.0	83.1
Australia and Oceania	19.3	0.1	14.8	0.1
Europe	4,467.0	18.0	3,123.9	14.3
Northern America	123.8	0.5	137.8	0.6
South America	30.9	0.1	98.8	0.5

Source: Statistics Centre - Abu Dhabi

1.2.22 Top Trade Partners through the Ports of the Emirate of Abu Dhabi (Re-exports)

(Million AED)

Countries	2016		2017	
	Value	%	Value	%
Total	24,759.2	100.0	21,771.1	100.0
China	2,136.9	8.6	3,443.8	15.8
Kuwait	1,893.8	7.6	2,900.2	13.3
Saudi Arabia	3,009.0	12.2	2,621.7	12.0
Kingdom of Bahrain	2,231.4	9.0	2,360.0	10.8
Germany	222.4	0.9	975.2	4.5
France	180.5	0.7	937.1	4.3
United Kingdom	2,610.2	10.5	878.8	4.0
Qatar	1,819.2	7.3	860.7	4.0
Hong Kong	210.8	0.9	454.8	2.1
India	604.1	2.4	437.9	2.0
Others	9,840.9	39.7	5,900.9	27.1

Source: Department of Finance - Customs Administration

1.2.23 Re-exports through the Ports of the Emirate of Abu Dhabi to GCC Countries

(Million AED)

Countries	2016		2017	
	Value	%	Value	%
Total	9,338.7	100.0	9,123.3	100.0
Kuwait	1,893.8	20.3	2,900.2	31.8
Saudi Arabia	3,009.0	32.2	2,621.7	28.7
Kingdom of Bahrain	2,231.4	23.9	2,360.0	25.9
Qatar	1,819.2	19.5	860.7	9.4
Oman	385.2	4.1	380.7	4.2

Source: Department of Finance - Customs Administration

1.2.24 Re-exports through the Ports of the Emirate of Abu Dhabi by Mode of Shipping

(Million AED)

Mode of shipping	2016		2017	
	Value	%	Value	%
Total	24,759.2	100.0	21,771.1	100.0
Air	19,403.7	78.4	14,563.2	66.9
Sea	3,406.4	13.8	5,390.7	24.8
Land	1,949.2	7.9	1,817.2	8.3

Source: Department of Finance - Customs Administration

1.2.25 Key Indicators of Imports of Goods of the Emirate of Abu Dhabi

(Million AED)

Imports of Goods	2010	2014	2015	2016	2017
Total	86,573.7	107,976.0	119,327.7	117,816.5	112,120.4
Agricultural raw materials	365.4	478.3	468.8	422.0	490.0
Food products	6,540.0	8,815.9	8,505.2	7,569.5	7,670.6
Manufactured products	73,931.6	81,731.1	94,086.8	91,493.6	84,066.1
Ores and metals	4,861.0	15,224.1	12,065.9	11,898.6	13,726.1
Other goods	875.7	1,726.7	4,200.9	6,432.8	6,167.5

Source: Statistics Centre - Abu Dhabi

1.2.26 Imports of Goods through the Ports of the Emirate of Abu Dhabi by Sections of the Harmonized System (HS)

(Million AED)

Description	2010	2014	2015	2016	2017
Total	86,573.7	107,976.0	119,327.7	117,816.5	112,120.4
Live animals	1,891.8	2,658.5	2,836.4	2,902.0	3,067.3
Vegetable products	2,816.5	3,246.0	2,897.8	2,121.7	2,130.0
Animal or vegetable fats, oil and waxes	328.3	394.3	396.9	445.5	419.6
Foodstuffs, beverages, spirits and tobacco	1,581.9	2,590.3	2,424.2	2,142.8	2,098.5
Mineral products	2,456.3	4,541.2	3,817.8	3,373.9	4,506.6
Products of the chemical or allied industries	4,102.7	9,982.9	11,214.5	9,070.8	8,014.4
Plastics, rubber and articles thereof	4,303.7	5,434.3	5,720.2	4,214.3	4,226.0
Articles of leather and animal gut; travel goods	70.1	104.7	94.4	113.9	80.0
Articles of wood, crock, basket ware and wickerwork	489.0	269.2	292.4	226.1	242.8
Pulp of wood, waste, scrap and articles of paper	1,364.1	1,259.3	1,135.8	1,053.1	1,109.2
Textiles and textile articles	898.5	952.2	959.7	896.0	898.1
Footwear, umbrellas, articles of feather and hair	118.1	205.0	158.5	235.0	154.2
Articles of stone, mica, ceramic products and glass	2,002.0	1,598.8	1,457.5	1,535.6	1,365.9
Pearls, stones, precious metals and its articles	210.5	55.4	2,958.1	5,421.9	4,963.3
Base metals and articles of base meta	15,780.3	19,963.1	19,104.0	17,859.1	18,581.6
Machinery, sound recorders, reproducers and parts	24,553.6	25,557.9	32,390.5	32,592.9	27,871.4
Vehicles of transport	20,704.1	25,457.1	27,262.1	29,502.8	26,760.5
Photographic, medical, musical instruments and parts	1,681.0	2,457.6	2,919.5	2,790.9	2,147.2
Arms and ammunition, parts and accessories	418.1	0.0	0.1	0.0	451.7
Miscellaneous manufactured articles	725.0	1,069.2	1,206.7	1,240.6	1,062.3
Pieces and antiques, works of art, collectors	78.0	178.9	80.8	77.5	1,969.7

Source: Department of Finance - Customs Administration

1.2.27 Imports by Utilization of Items of the Emirate of Abu Dhabi

(Million AED)

Imports of Goods	2010	2014	2015	2016	2017
Total	86,573.7	107,976.0	119,327.7	117,816.5	112,120.4
Capital goods	16,369.6	16,137.5	20,145.8	18,929.0	14,380.6
Intermediate goods	49,393.8	65,351.8	71,642.4	74,232.3	68,489.2
Final consumption goods	20,810.3	26,486.7	27,539.5	24,655.2	29,250.7

Source: Statistics Centre - Abu Dhabi

1.2.28 Imports of Creative and Technology Goods of the Emirate of Abu Dhabi

(Million AED)

Imports of Goods	2010	2014	2015	2016	2017
Total	10,883.0	11,290.3	12,985.8	15,360.8	18,900.0
Creative goods	1,076.0	1,222.6	1,085.4	969.5	2,890.0
Information and communication technology (ICT) goods	2,048.7	2,182.8	2,155.5	2,009.1	2,210.9
High-tech products	7,758.2	7,885.0	9,744.8	12,382.1	13,799.1

Source: Statistics Centre - Abu Dhabi

1.2.29 Imports of Goods through the Ports of the Emirate of Abu Dhabi by Continent

(Million AED)

Continent	2016		2017	
	Value	%	Value	%
Total	117,816.5	100.0	112,120.4	100.0
Africa	4,853.7	4.1	5,595.1	5.0
Asia	55,237.8	46.9	54,259.1	48.4
Australia and Oceania	2,319.3	2.0	2,475.2	2.2
Europe	30,086.1	25.5	29,563.1	26.4
Northern America	23,090.8	19.6	18,124.2	16.2
South America	2,228.9	1.9	2,103.7	1.9

Source: Statistics Centre - Abu Dhabi

1.2.30 Top Trade in Goods Partners of the Emirate of Abu Dhabi (Imports)

(Million AED)

Countries	2016		2017	
	Value	%	Value	%
Total	117,816.5	100.0	112,120.4	100.0
United States of America	21,689.9	18.4	16,949.3	15.1
Saudi Arabia	11,193.0	9.5	11,928.1	10.6
Japan	9,081.6	7.7	10,221.0	9.1
South Korea	7,380.8	6.3	6,332.8	5.6
Germany	6,278.3	5.3	6,003.9	5.4
France	4,836.7	4.1	5,549.8	4.9
China	7,082.0	6.0	5,422.6	4.8
United Kingdom	4,551.2	3.9	4,566.8	4.1
Italy	4,950.8	4.2	4,309.3	3.8
India	3,023.9	2.6	3,508.8	3.1
Others	37,748.5	32.0	37,328.0	33.3

Source: Department of Finance - Customs Administration

1.2.31 Imports of Goods through the Ports of the Emirate of Abu Dhabi from GCC Countries by Value

(Million AED)

Countries	2016		2017	
	Value	%	Value	%
Total	15,993.4	100.0	16,072.3	100.0
Saudi Arabia	11,193.0	70.0	11,928.1	74.2
Kingdom of Bahrain	1,141.7	7.1	1,671.9	10.4
Oman	2,030.3	12.7	1,451.2	9.0
Kuwait	575.7	3.6	639.8	4.0
Qatar	1,052.7	6.6	381.2	2.4

Source: Department of Finance - Customs Administration

Note: Table does not include imports from free trade zones located in the UAE

1.2.32 Imports of Goods through the Ports of the Emirate of Abu Dhabi by Mode of Shipping

(Million AED)

Mode of Shipping	2016		2017	
	Value	%	Value	%
Total	117,816.5	100.0	112,120.4	100.0
Sea	64,339.3	54.6	63,046.3	56.2
Air	34,833.0	29.6	30,885.6	27.5
Land	18,644.3	15.8	18,188.6	16.2

Source: Department of Finance - Customs Administration

1.3. Prices

The price index is defined as a tool for measuring the rate of change in prices of a set of goods and services between two periods. The period against which prices are compared is known as the base period and the period under review is known as the comparison period.

Price statistics and indices include data on price levels in different sectors such as consumer, construction materials, and producers, in addition to a number of economic indicators such as inflation and the index of industrial production quantities. The annual and monthly inflation rates of the Emirate of Abu Dhabi are calculated through the consumer price index. The consumer price index is calculated according to the type of household, the level of family welfare and by region.

The most important results of calculating the consumer price index for 2017 with a 2014 base year are as follows:

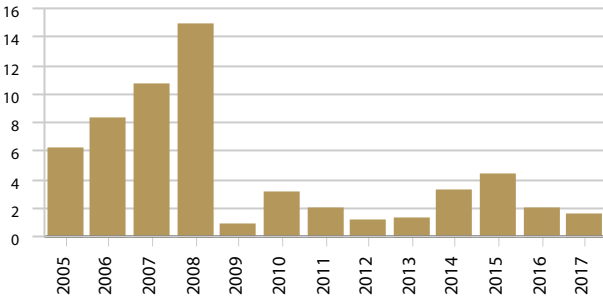
- Consumer price inflation reached 1.6% during 2017 compared with 2016. The index reached 108.1% in 2017, while it was 106.4% in 2016.
- The 'Housing, Water, Electricity, Gas and Other Fuels' group contributed 34.4% of the total rate of increase. This contribution was due to the high prices of this group which rose by 1.6%.
- The 'Transportation' group contributed 37.2% of the total rate of increase achieved during 2017 compared with 2016, while prices of this group increased by 4.3%.
- The 'Miscellaneous goods and services' group contributed 27.3% of the total rate of increase achieved during 2017. This contribution was due to the increase in the prices of this group by 6.4%.
- Prices of the 'Food and Beverages' group increased by 1.2% in 2017, and this group contributed 9.1% of the total rate of increase achieved in 2017 compared to 2016.

The producer price index covers the manufacturing sector and is calculated quarterly. The construction of the producer price index is based on the list of major products in the manufacturing activities of ISIC4. The most important result of calculating the index of industrial producer prices for 2017 compared with 2016 was the 4.0% increase in prices.

The quantitative index of industrial producers covers the manufacturing sector. The calculation is based on the list of major products in the manufacturing activities of ISIC 4. The most important results of calculating the industrial production index for the year 2017 compared with 2016 was the decrease of 4.6% in industrial production.

The prices of building materials are considered to be important economic indicators for planning and research in various fields. They are also used in the compilation of indices of the construction activity and for the calculation of GDP at constant prices. As a result of the continuous development of the Emirate of Abu Dhabi and the continuous growth in the construction sector, the Statistics Center - Abu Dhabi regularly collects data on the prices of these materials. The annual relative change in construction materials prices for 2017 compared 2016, relative change for the year of 2016 compared to 2015, and so on up to 2012 compared to 2011.

Figure 1.3.1 Annual Rates of Inflation



Source: Statistics Centre - Abu Dhabi

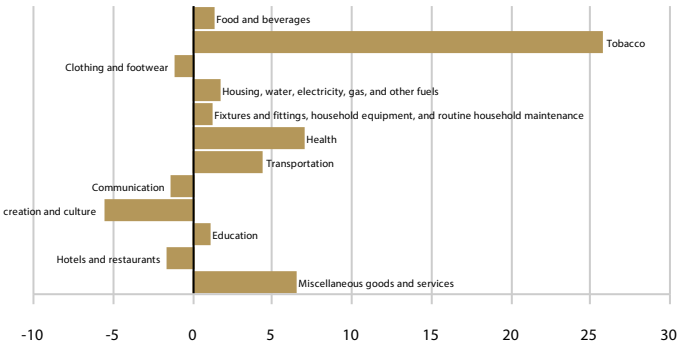
1.3.1 Contribution of Different Expenditure Groups to the Overall Annual Percentage Change in Prices in 2017 Compared with 2016

(%)

Major Expenditure Groups	Weight (100.0)	Relative Change	Contribution
Food and beverages	12.3	1.2	9.1
Tobacco	0.2	25.7	3.1
Clothing and footwear	5.4	-1.1	-3.4
Housing, water, electricity, gas, and other fuels	31.2	1.6	34.4
Fixtures and fittings, household equipment, and routine household maintenance	7.2	1.1	4.6
Health	1.6	6.9	6.9
Transportation	14.7	4.3	37.2
Communication	5.0	-1.4	-3.9
Recreation and culture	4.8	-5.6	-15.6
Education	6.9	1.0	4.2
Hotels and restaurants	3.8	-1.6	-3.9
Miscellaneous goods and services	7.0	6.4	27.3

Source: Statistics Centre - Abu Dhabi

Figure 1.3.2 Relative Change in Average Prices for the Main Expenditure Groups in 2017 Compared with 2016 (%)



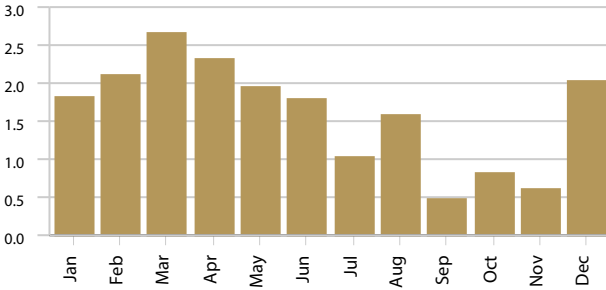
Source: Statistics Centre - Abu Dhabi

1.3.2 Relative Change in the Prices of the Main Expenditure Groups
(2014=100)

Groups of Commodities and Services	Weight (100.0)	Relative Change %	
		2016	2017
Food and beverages	12.3	-0.1	1.2
Tobacco	0.2	2.6	25.7
Clothing and footwear	5.4	0.9	-1.1
Housing, water, electricity, gas and other fuels	31.2	5.6	1.6
Furnishing, household equipment and routine household maintenance	7.2	-0.3	1.1
Health	1.6	3.8	6.9
Transport	14.7	-1.7	4.3
Communication	5.0	-3.2	-1.4
Recreation and culture	4.8	-1.2	-5.6
Education	6.9	3.0	1.0
Restaurant and hotels	3.8	3.9	-1.6
Miscellaneous goods and services	7.0	2.4	6.4

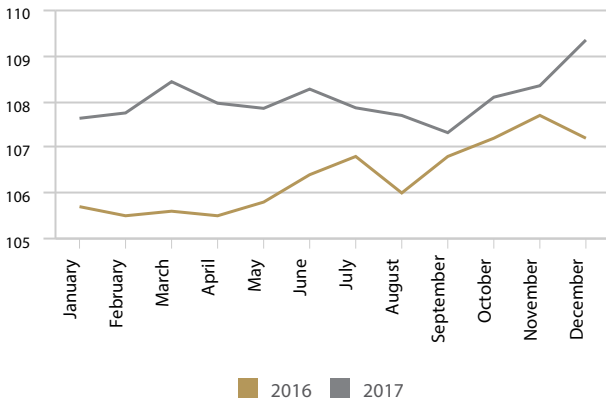
Source: Statistics Centre - Abu Dhabi

Figure 1.3.3 Annual Inflation Rates for the months of 2017



Source: Statistics Center - Abu Dhabi

Figure 1.3.4 Monthly CPI 2016, 2017 (2014=100)



Source: Statistics Center - Abu Dhabi

1.3.3 Annual CPI and Inflation Rates 2009 - 2017

Year	CPI	Inflation Rate (%)
2009	90.1	0.8
2010	92.8	3.1
2011	94.6	1.9
2012	95.7	1.1
2013	96.9	1.3
2014	100.0	3.2
2015	104.3	4.3
2016	106.4	2.0
2017	108.1	1.6

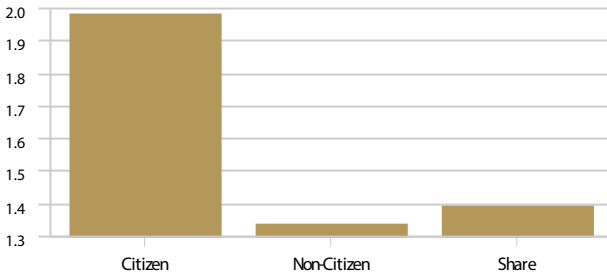
Source: Statistics Centre - Abu Dhabi

1.3.4 Annual CPI and relative change by Household Type 2016 , 2017

Year	Citizen	Non-Citizen	Share
2016	105.4	107.1	107.7
2017	107.4	108.5	109.2
Relative Change %	2.0	1.3	1.4

Source: Statistics Centre - Abu Dhabi

Figure 1.3.5 Relative Change in CPI by Household Type in 2017 compared with 2016



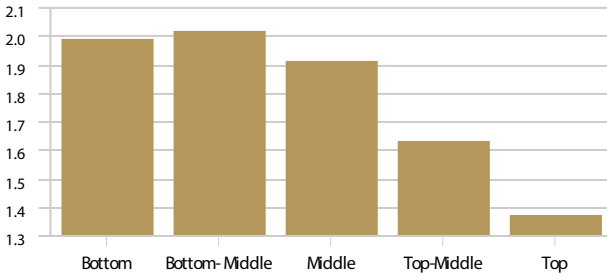
Source: Statistics Center - Abu Dhabi

1.3.5 CPI by Household Welfare Level for 2016 and 2017 (2014=100)

Year	Bottom	Bottom- Middle	Middle	Top-Middle	Top
2016	107.7	107.2	107.0	106.6	105.6
2017	109.8	109.3	109.1	108.3	107.0
Relative Change %	2.0	2.0	1.9	1.6	1.4

Source: Statistics Centre - Abu Dhabi

Figure 1.3.6 Relative Change in the CPI by Household Welfare Level in 2017 Compared with 2016



Source: Statistics Center - Abu Dhabi

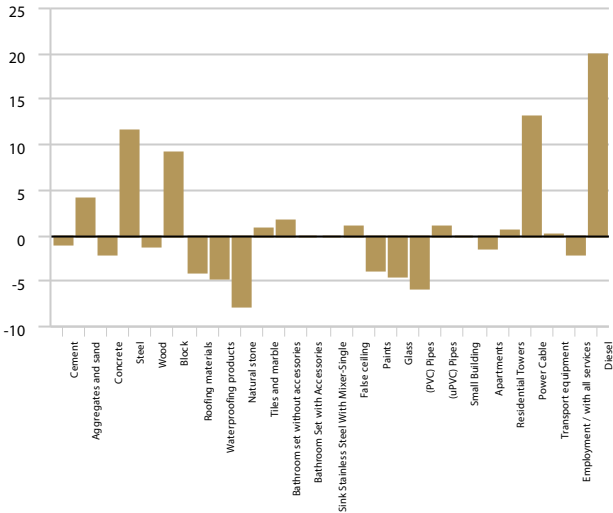
1.3.6 Relative Change in the Price Averages of the Main Groups of Building Materials during 2013 - 2017

(Price in AED)

Groups	Relative	Relative	Relative	Relative
	Change 2014 /2013 (%)	Change 2015 /2014 (%)	Change 2016 /2015 (%)	Change 2017 /2016 (%)
Cement	2.2	0.3	-1.5	-0.9
Aggregates & sand	8.8	-1.0	-3.3	4.2
Concrete	0.0	0.1	-0.7	-1.9
Steel	-4.6	-15.7	0.7	11.7
Wood	4.4	1.2	-3.8	-1.0
Block	-0.3	-0.4	8.2	9.2
Roofing materials	0.0	1.0	-1.0	-4.0
Waterproofing products	0.4	-17.0	-14.5	-4.7
Waterproofing bituminous membrane				
Natural stone	5.3	-1.1	-0.4	-7.6
Tiles and marble	-1.1	5.9	2.2	0.9
Sanitary ware				
Bathroom set without accessories	0.1	1.0	3.4	1.7
Bathroom set with accessories	-2.5	-1.2	-0.2	0.0
Sink stainless steel with mixer-single	-2.4	-0.5	0.0	0.0
False ceiling	-0.6	6.5	6.3	1.1
Paints	-4.4	-1.1	-7.1	-3.7
Glass	0.1	-0.4	2.3	-4.4
Pipes				
(PVC) Pipes	-1.7	-6.5	0.4	-5.6
(UPVC) Pipes	-2.9	-6.1	-8.1	1.2
Wires				
Small building	-4.0	-2.7	3.2	-0.1
Apartments	-2.1	-1.8	0.8	-1.3
Residential towers	-6.9	-8.8	-0.4	0.6
Power cable	-3.6	-11.3	-5.2	13.2
Transport equipment	-1.7	-0.5	-0.3	0.3
Employment / with all services	-5.3	2.7	-8.1	-2.0
Diesel	0.0	-8.0	-21.1	20.0

Source: Statistics Centre - Abu Dhabi

Figure 1.3.7 Relative Change in Price Averages of the Main Groups of Building Materials in 2017 Compared with 2016



Source: Statistics Center - Abu Dhabi

1.3.7 Industrial Producer Price Index during 2016 and 2017 (2012=100)

Economic Activities	weight of base year	PPI 2016	PPI 2017	Percentage change
Manufacturing	100.0	70.0	72.8	4.0
Manufacture of food products	2.9	94.3	94.1	-0.2
Manufacture of beverages	0.8	100.0	100.0	0.0
Manufacture of textiles	0.3	98.9	94.5	-4.5
Manufacture of wearing apparel	1.2	107.8	109.8	1.8
Manufacture of leather and related products	0.1	110.0	99.5	-9.6
Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	0.7	69.6	69.7	0.1
Manufacture of paper and paper products	0.4	89.2	85.4	-4.3
Printing and reproduction of recorded media	0.3	110.0	111.3	1.2
Manufacture of coke and refined petroleum products	36.5	40.9	52.1	27.2
Manufacture of chemicals and chemical products	16.9	45.9	54.0	17.6
Manufacture of pharmaceuticals, medicinal chemical and botanical products	0.2	90.9	90.9	0.0
Manufacture of rubber and plastics products	1.3	82.4	77.3	-6.1
Manufacture of other non-metallic mineral products	11.0	96.3	93.1	-3.3
Manufacture of basic metals	6.3	74.6	80.5	7.9
Manufacture of fabricated metal products, except machinery and equipment	9.6	83.2	96.7	16.3
Manufacture of computer, electronic and optical products	0.1	95.8	88.3	-7.8
Manufacture of electrical equipment	4.1	67.5	83.9	24.2
Manufacture of machinery and equipment n.e.c.	0.6	120.6	170.5	41.4
Manufacture of motor vehicles, trailers and semi-trailers	0.1	107.6	106.4	-1.2
Manufacture of other transport equipment	1.6	462.9	168.4	-63.6
Manufacture of furniture	0.7	116.5	113.4	-2.6
Other manufacturing	0.1	94.4	94.2	-0.2
Repair and installation of machinery and equipment	4.1	99.5	99.6	0.1

Source: Statistics Centre - Abu Dhabi

1.3.8 Industrial Production Index during 2016 and 2017 (2012=100)

Economic Activities	weight of base year	IPI 2016	IPI 2017	Percentage change
Manufacturing	100.0	135.7	129.4	-4.6
Manufacture of food products	2.9	94.6	94.8	0.2
Manufacture of beverages	0.8	101.0	87.8	-13.0
Manufacture of textiles	0.3	113.2	120.0	6.0
Manufacture of wearing apparel	1.2	288.7	243.3	-15.7
Manufacture of leather and related products	0.1	273.1	197.2	-27.8
Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	0.7	76.4	45.4	-40.6
Manufacture of paper and paper products	0.4	99.6	99.8	0.1
Printing and reproduction of recorded media	0.3	77.2	77.4	0.1
Manufacture of coke and refined petroleum products	36.5	180.7	164.2	-9.2
Manufacture of chemicals and chemical products	16.9	127.4	123.8	-2.8
Manufacture of pharmaceuticals, medicinal chemical and botanical products	0.2	331.7	211.2	-36.3
Manufacture of rubber and plastics products	1.3	60.3	116.1	92.4
Manufacture of other non-metallic mineral products	11.0	90.2	85.2	-5.6
Manufacture of basic metals	6.3	71.5	46.9	-34.4
Manufacture of fabricated metal products, except machinery and equipment	9.6	99.5	90.8	-8.7
Manufacture of computer, electronic and optical products	0.1	107.7	99.3	-7.8
Manufacture of electrical equipment	4.1	126.3	123.8	-2.0
Manufacture of machinery and equipment n.e.c.	0.6	1144.8	1797.3	57.0
Manufacture of motor vehicles, trailers and semi-trailers	0.1	81.9	49.9	-39.0
Manufacture of other transport equipment	1.6	42.3	63.3	49.5
Manufacture of furniture	0.7	91.7	83.1	-9.3
Other manufacturing	0.1	487.0	192.2	-60.5
Repair and installation of machinery and equipment	4.1	0.2	0.3	30.5

Source: Statistics Centre - Abu Dhabi

1.3.9 Price indices for Construction Cost Index groups for 2015, 2016 and 2017 (2013=100)

Commodity	weight of base year 2013	CCI 2015	CCI 2016	CCI 2017
General Index	100.0	98.0	94.7	96.3
Construction materials	13.0	89.2	87.4	89.7
Finishing materials	26.0	101.4	100.3	105.9
Electrical works materials	8.0	98.5	98.7	102.7
Mechanical works - plumbing and drainage materials	4.0	100.8	101.5	101.5
Mechanical works - fire fighting	3.0	103.6	114.5	114.5
Mechanical works - A/C	7.0	101.1	100.6	105.8
Equipment	2.0	115.5	129.5	134.8
Manpower	29.5	96.2	85.9	82.3
Services	4.5	94.1	86.5	89.2
Finances and bonds	3.0	100.0	100.0	100.0

Source: Statistics Centre - Abu Dhabi

1.3.10 Monthly agriculture producer price Index for the period of 2016-2017 (2016=100)

Month	2016	2017
January	91.7	103.9
February	81.9	81.7
March	77.7	86.7
April	85.7	91.9
May	81.6	82.6
June	93.2	81.1
July	99.2	94.0
August	116.5	94.9
September	101.1	129.5
October	133.0	137.1
November	128.6	141.4
December	115.8	103.5

Source: Statistics Centre - Abu Dhabi

1.3.11 Education price index by regions of Abu Dhabi 2017 (2016=100)

Group	Abu Dhabi	Al Ain	Al Dhafra	Abu Dhabi Emirate
Education	104.4	103.9	104.8	104.5
Primary and pre-primary education	104.8	108	108	104.1
high school	110.6	103.3	104.5	113.7
Post-secondary non-tertiary education	107.1	107.1	107.1	107.1
Higher Education	99.8	99.9	99.8	99.8
Education not defined at level	92.9	92.9	92.9	92.9

Source: Statistics Centre - Abu Dhabi

1.3.12 Imports unit value index and relative change for the the year of 2017 compared to the year 2016 by the "Harmonized System" (2014=100)

Group	2016	2017	Relative Change %
General Index	106.2	108.4	2.0
Live animals	99.4	95.3	-4.1
Vegetable products	80.4	103.4	28.5
Animal or vegetable fats, oil and waxes	120.1	114.0	-5.1
Foodstuffs, beverages, spirits and tobacco	105.7	116.8	10.5
Mineral products	65.7	78.4	19.3
Products of the chemical or allied industries	101.0	117.1	15.9
Plastics, rubber and articles thereof	84.8	82.8	-2.4
Articles of leather and animal gut; travel goods	181.3	213.3	17.6
Articles of wood, crook, basket ware and wickerwork	148.6	112.1	-24.5
Pulp of wood, waste, scrap and articles of paper	106.6	113.2	6.2
Textiles and textile articles	132.3	141.2	6.7
Footwear, umbrellas, articles of feather and hair	203.4	199.2	-2.0
Articles of stone, mica, ceramic products and glass	135.2	92.1	-31.9
Pearls, stones, precious metals and its articles	104.1	147.7	41.9
Base metals and articles of base meta	84.6	97.5	15.2
Machinery, sound recorders, reproducers and parts	210.4	152.5	-27.5
Vehicles of transport	104.0	114.0	9.6
Photographic, medical, musical instruments and parts	107.7	106.4	-1.3
Miscellaneous manufactured articles	136.5	144.7	6.0

Source: Statistics Centre - Abu Dhabi

1.3.13 Export unit value index and relative change for the the year of 2017 compared to the year 2016 by the "Harmonized System" (2014=100)

Group	2016	2017	Relative Change %
General Index	79.5	87.9	10.6
Live animals	157.1	149.9	-4.6
Vegetable products	124.1	111.9	-9.8
Animal or vegetable fats, oil and waxes	89.7	95.3	6.2
Foodstuffs, beverages, spirits and tobacco	136.9	100.4	-26.6
Mineral products	99.3	76.3	-23.2
Products of the chemical or allied industries	98.5	105.5	7.2
Plastics, rubber and articles thereof	74.8	85.2	13.8
Articles of leather and animal gut; travel goods	39.0	49.7	27.4
Articles of wood, crook, basket ware and wickerwork	52.5	123.9	136.1
Pulp of wood, waste, scrap and articles of paper	96.6	91.8	-5.0
Textiles and textile articles	71.0	66.5	-6.3
Footwear, umbrellas, articles of feather and hair	-	123.2	-
Articles of stone, mica, ceramic products and glass	98.3	120.9	23.0
Pearls, stones, precious metals and its articles	-	89.5	-
Base metals and articles of base meta	76.3	104.4	36.7
Machinery, sound recorders, reproducers and parts	115.4	71.1	-38.3
Vehicles of transport	103.9	125.6	20.9
Photographic, medical, musical instruments and parts	53.2	168.2	216.1
Miscellaneous manufactured articles	68.9	47.1	-31.7

Source: Statistics Centre - Abu Dhabi

1.4 Financial Statistics

Financial intermediation is an important productive activity, which plays a vital role in the development of the Emirate of Abu Dhabi, and acts as the main financing vehicle for other economic activities. This section provides key indicators of the financial intermediation activity including statistics from the banks and financial institutions survey, in addition to the main performance indicators of the Abu Dhabi Securities Market.

Registered banks dominated financial intermediation in Abu Dhabi, although there are a substantial number of non-bank financial institutions, such as holding companies, trusts, and financial leasing institutions. The majority of Abu Dhabi's registered banks are subsidiaries or branches of overseas banks. The number of registered banks on December 31, 2017 totaled 51 banks, of which seven are based in Abu Dhabi.

This section shows that the total value of shares traded on the Abu Dhabi Securities Exchange during 2017 amounted to AED 48.1 billion. The market capitalization of shares in the Abu Dhabi stock market in 2017 rose by 3.0% compared with 2016.

1.4.1 Key Statistics of the Financial and Insurance Activity

Indicators	2014	2015	2016	2017*
Share in GDP at current prices (%)	6.4	8.8	9.6	9.0
Share in non-oil GDP at current prices (%)	12.9	13.6	14.1	14.1
Gross output (% of GDP at current prices)	7.8	10.8	11.5	10.8
Capital formation (% of GDP at current prices)	0.3	0.4	0.5	0.4
Compensation of employees (Million AED)	12,008	13,069	13,629	13,906

Source: Statistics Centre-Abu Dhabi

* Preliminary estimates

1.4.2 Key Statistics of the Abu Dhabi Securities Market

Indicators	2011	2014	2015	2016	2017
Total listed domestic companies	64	64	65	65	66
Total listed foreign companies	3	3	3	3	3
Market capitalization (Billion AED)	262.0	417.8	411.0	444.2	457.3
Market capitalization (% of GDP at current prices)	30.9	43.5	52.7	61.0	60.1
Value traded (Billion AED)	24.9	144.6	60.2	49.0	48.1
Value traded (% of GDP at current prices)	2.9	15.1	7.7	6.7	6.3
Shares Turnover Ratio (%) (No. of Domestic Traded Shares / No. of Domestic Issued shares)	24.3	69.6	32.0	33.7	26.2
INDEX (Point)	2,402	4,529	4,307	4,546	4,398

Source: Statistics Centre-Abu Dhabi, Abu Dhabi Securities Exchange-ADX

1.4.3 Banks Statistics for Abu Dhabi Based Banks, 2017

Indicators	Q1	Q2	Q3	Q4
Net Income for Abu Dhabi based banks (million AED)	7,678	7,608	7,725	7,815
Average compensation of employees per worker for Abu Dhabi based banks (AED)	43,525	39,268	40,352	43,579

Source: Central Bank - UAE

1.5 Government Finance

Government Financial Statistics in this section includes percentage distribution of revenues and expenditures of the Abu Dhabi Government. The revenue in 2017 increased by 44.9% compared with 2016. The increased could mainly be attributed to higher Petroleum royalties and tax revenues. Current expenditure as a percentage of total public expenditure increased from 82.5% in 2016 to 85.8% in 2017. The sub items of current transfers, goods and services, and salaries and wages contributed 45.1%, 19.7% and 20.9% of total expenditure respectively.

Capital expenditure as a percentage of total public expenditure decreased from 17.5% in 2016 to 14.2% in 2017. Capital transfers, development expenditures on government projects and capital expenditure on goods and services respectively contributed 8.9%, 4.3% and 1.0% of total expenditure.

1.5.1 Percentage Distribution of Government Revenues

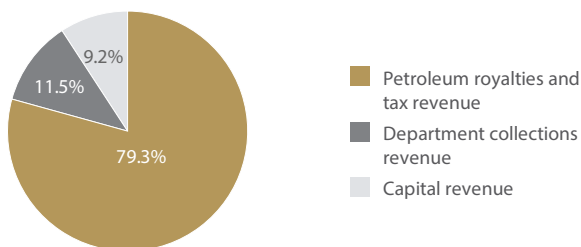
(%)

Item	2011	2014	2015	2016	2017*
Total	100	100.0	100.0	100.0	100.0
Petroleum royalties and tax revenue	90.6	91.0	79.6	71.7	79.3
Department collections revenue	6.5	7.9	18.8	18.7	11.5
Capital revenue	2.9	1.1	1.6	9.6	9.2

Source: Statistics Centre - Abu Dhabi

* Preliminary estimates

Figure 1.5.1 Percentage Distribution of Government Revenues, 2017



Source: Statistics Centre-Abu Dhabi

1.5.2 Percentage Distribution of Public Expenditures

(%)

Item	2011	2014	2015	2016	2017*
Total	100	100.0	100.0	100.0	100.0
Current expenditures	66.3	76.2	80.8	82.5	85.8
Salaries and wages	10.8	12.4	16.0	18.0	20.9
Goods and services	11.4	10.9	13.0	13.1	19.7
Current transfers	44.0	52.9	51.8	51.4	45.1
Capital expenditures	33.7	23.8	19.2	17.5	14.2
Development expenditures on government projects	9.7	5.8	6.6	6.4	4.3
Capital expenditures on goods & services	0.7	0.2	0.2	0.8	1.0
Capital transfers	23.4	17.8	12.4	10.3	8.9

Source: Statistics Centre - Abu Dhabi

* Preliminary estimates

1.5.3 Percentage Distribution of Public Expenditures by Type

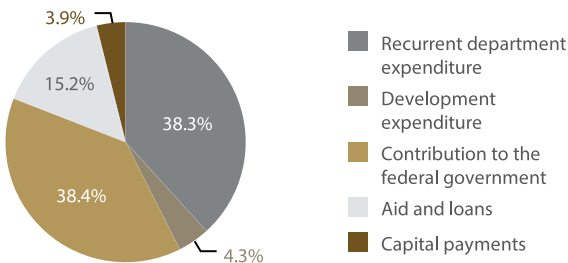
(%)

Item	2011	2014	2015	2016	2017*
Total expenditure	100.0	100.0	100.0	100.0	100.0
Recurrent department expenditure	26.8	23.3	34.9	32.3	38.3
Development expenditure	9.7	5.8	6.6	6.4	4.3
Contribution to the federal government	30.9	34.1	32.0	35.4	38.4
Aid and loans	25.7	31.3	23.5	21.7	15.2
Capital payments	6.9	5.5	3.0	4.2	3.9

Source: Statistics Centre - Abu Dhabi

* Preliminary estimates

Figure 1.5.2 Percentage Distribution of Public Expenditure by Type, 2017



Source: Statistics Centre - Abu Dhabi

1.6. Wages and Compensation

The compensation of employees indicator provides important information for the national accounts in particular and the economy in general, as it reflects the income obtained by employees in all economic activities in the Emirate of Abu Dhabi.

Compensation of employees at current prices increased from AED 226,921 million in 2016 to AED 233,573 million in 2017. The main economic activities contributing to the growth in 2017 were 'Public administration and defence; compulsory social security', and 'Human health and social work' with increases of 9.5% and 6.6% respectively.

1.6.1 Compensation of Employees by Economic Activity at Current Prices

(Million AED)

Economic Activity	2010	2014	2015	2016	2017*
Total	138,576	209,493	221,174	226,921	233,573
Agriculture, forestry and fishing	1,394	1,946	2,022	2,056	2,133
Mining and quarrying (includes crude oil and natural gas)	8,265	15,646	18,493	16,996	16,080
Manufacturing	11,044	17,499	19,021	19,002	19,972
Electricity, gas, and water supply; waste management	2,176	2,417	2,370	2,366	2,445
Construction	23,638	29,758	30,325	29,345	28,007
Wholesale and retail trade; repair of motor vehicles and motorcycles	8,281	12,553	13,122	14,158	14,109
Transportation and storage	6,934	10,955	11,915	13,610	13,539
Accommodation and food services	3,172	4,969	5,234	5,440	5,751
Information and communication	4,740	5,161	5,518	4,857	5,037
Financial and insurance	7,743	12,008	13,069	13,629	13,906
Real estate	1,692	2,156	2,307	2,784	2,698
Professional, scientific and technical	9,449	10,549	11,071	10,450	10,605
Administrative and support services	3,388	6,586	6,925	7,409	7,764
Public administration and defence; compulsory social security	30,662	51,620	52,383	55,309	60,574
Education	6,334	10,800	11,156	12,060	12,502
Human health and social work	6,883	9,372	10,320	10,902	11,623
Arts, recreation and other services	1,210	1,446	1,420	1,507	1,578
Activities of households as employers	1,572	4,052	4,502	5,042	5,249

Source: Statistics Centre - Abu Dhabi

* Preliminary estimates

1.6.2 Annual Growth Rates of Compensation of Employees by Economic Activity at Current Prices

(%)

Economic Activity	2010	2014	2015	2016	2017*
Total	28.8	9.5	5.6	2.6	2.9
Agriculture, forestry and fishing	-3.0	6.7	3.9	1.7	3.7
Mining and quarrying (includes crude oil and natural gas)	3.4	14.2	18.2	-8.1	-5.4
Manufacturing	8.1	14.2	8.7	-0.1	5.1
Electricity, gas, and water supply; waste management	15.9	7.8	-1.9	-0.2	3.3
Construction	46.2	7.9	1.9	-3.2	-4.6
Wholesale and retail trade; repair of motor vehicles and motorcycles	25.4	4.6	4.5	7.9	-0.3
Transportation and storage	35.8	11.6	8.8	14.2	-0.5
Accommodation and food services	55.7	7.7	5.3	3.9	5.7
Information and communication	13.3	11.5	6.9	-12.0	3.7
Financial and insurance	40.1	10.8	8.8	4.3	2.0
Real estate	-13.9	26.7	7.0	20.6	-3.1
Professional, scientific and technical	58.5	7.3	4.9	-5.6	1.5
Administrative and support services	-10.0	9.6	5.1	7.0	4.8
Public administration and defence; compulsory social security	49.1	7.5	1.5	5.6	9.5
Education	4.8	15.8	3.3	8.1	3.7
Human health and social work	22.1	0.9	10.1	5.6	6.6
Arts, recreation and other services	17.2	3.9	-1.8	6.1	4.7
Activities of households as employers	4.6	26.0	11.1	12.0	4.1

Source: Statistics Centre - Abu Dhabi

* Preliminary estimates

1.6.3 Compensation of Employees by Economic Activity as a Percentage of the GDP at Current Prices

(%)

Economic Activity	2010	2014	2015	2016	2017*
Total	21.7	21.8	28.4	29.8	28.1
Agriculture, forestry and fishing	0.2	0.2	0.3	0.3	0.3
Mining and quarrying (includes crude oil and natural gas)	1.3	1.6	2.4	2.2	1.9
Manufacturing	1.7	1.8	2.4	2.5	2.4
Electricity, gas, and water supply; waste management	0.3	0.3	0.3	0.3	0.3
Construction	3.7	3.1	3.9	3.9	3.4
Wholesale and retail trade; repair of motor vehicles and motorcycles	1.3	1.3	1.7	1.9	1.7
Transportation and storage	1.1	1.1	1.5	1.8	1.6
Accommodation and food services	0.5	0.5	0.7	0.7	0.7
Information and communication	0.7	0.5	0.7	0.6	0.6
Financial and insurance	1.2	1.3	1.7	1.8	1.7
Real estate	0.3	0.2	0.3	0.4	0.3
Professional, scientific and technical	1.5	1.1	1.4	1.4	1.3
Administrative and support services	0.5	0.7	0.9	1.0	0.9
Public administration and defence; compulsory social security	4.8	5.4	6.7	7.3	7.3
Education	1.0	1.1	1.4	1.6	1.5
Human health and social work	1.1	1.0	1.3	1.4	1.4
Arts, recreation and other services	0.2	0.2	0.2	0.2	0.2
Activities of households as employers	0.2	0.4	0.6	0.7	0.6

Source: Statistics Centre - Abu Dhabi

* Preliminary estimates

1.7. Foreign Investment

The Abu Dhabi Government has made vast strides in establishing favorable conditions and enhancing investor confidence in the economy. A transparent tax structure, with a supporting judicial system, investment encouraging business legislation and industrial zones enhances international investor perception about business opportunities in the Emirate.

The total value of Foreign Direct Investment (FDI) at the end of 2016 was AED 100,887 million, up from AED 88,095 million at the end of 2015. This increase could mainly be attributed to 'Real estate', which attracted FDI worth AED 27,954 in 2016, compared with AED 23,793 million in 2015. 'Manufacturing industries' accounted for 18.0% of FDI stocks in 2016 compared with 19.5% in 2015.

FDI from the GCC region amounted to AED 2,866 million or 2.8% of total FDI in 2016 compared with AED 3,213 million or 3.6% in 2015. Investments from other Arab countries totaled AED 6,414 and AED 8,034 million of FDI for the years 2015 and 2016, respectively. FDI from European countries increased from AED 36,021 million in 2015 to AED 45,201 million in 2016.

Total portfolio investments in the Emirate of Abu Dhabi consisting of equity securities including debt securities amounted to AED 131,354 million in 2016. Other investments amounted to AED 227,290 million in 2016, compared with AED 177,111 million in 2015.

1.7.1 Total stock of Foreign Investment by Economic Activity

(Million AED)

Economic Activity	2013	2014	2015	2016
Total	264,123	298,758	353,101	459,531
Mining and quarrying (includes crude oil and natural gas)	9,046	8,342	8,921	18,217
Manufacturing	25,086	15,865	17,662	18,566
Electricity, gas, and water supply; waste management	17,961	18,792	24,115	23,752
Construction	6,390	8,247	7,246	8,200
Wholesale and retail trade; repair of motor vehicles and motorcycles**	459	366	665	10,374
Transportation and storage**	4,158	4,056	4,947	1,300
Accommodation and food services	14	18	24	30
Information and communication	7,139	31,306	31,287	33,362
Financial and insurance	159,900	179,727	225,774	291,541
Real estate*	31,157	27,398	27,632	36,673
Professional, scientific and technical	1,938	3,177	3,409	4,566
Administrative and support services**	355	887	917	84
Education	461	480	409	472
Human health and social work	11	12	8	-7
Arts, recreation and other services**	48	85	86	-2
Public administration and defence; compulsory social security	0	0	0	12,403

Source: Statistics Centre - Abu Dhabi

Note: Figures may not sum to totals due to rounding

* Includes real estate sales to non-residents

** In 2016 the change in some activities is due to the transfer of some establishments between ISIC 4 classifications

1.7.2 Total stock of Foreign Direct Investment by Economic Activity

(Million AED)

Economic Activity	2013	2014	2015	2016
Total	71,931	81,112	88,095	100,887
Mining and quarrying (includes crude oil and natural gas)	7,267	7,045	8,354	17,414
Manufacturing	13,043	15,502	17,204	18,113
Electricity, gas, and water supply; waste management	6,904	8,279	10,190	9,929
Construction	5,891	7,281	6,379	8,010
Wholesale and retail trade; repair of motor vehicles and motorcycles**	293	295	559	2,362
Transportation and storage**	1,992	1,850	3,523	1,246
Accommodation and food services	14	18	24	30
Information and communication	145	151	139	491
Financial and insurance	10,137	12,731	13,338	10,497
Real estate*	23,599	23,513	23,793	27,954
Professional, scientific and technical	1,782	3,015	3,198	4,327
Administrative and support services**	355	875	908	63
Education	452	460	393	459
Human health and social work	11	12	8	-7
Arts, recreation and other services**	46	85	86	-2

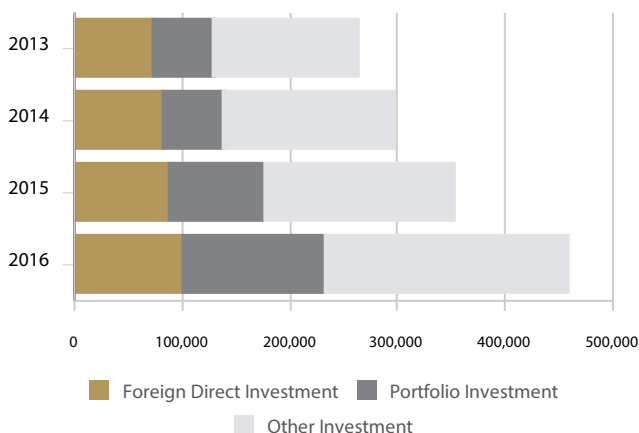
Source: Statistics Centre - Abu Dhabi

Note: Figures may not sum to totals due to rounding

* Includes real estate sales to non-residents

** In 2016 the change in some activities is due to the transfer of some establishments between ISIC 4 classifications

Figure 1.7.1 Total stock of Foreign Investment (Million AED)



Source: Statistics Centre - Abu Dhabi

1.7.3 Total stock of Foreign Direct Investment by Economic Activity as a Percentage of the GDP at Current Prices

(%)

Economic Activity	2013	2014	2015	2016
Total	7.7	8.4	11.3	13.3
Mining and quarrying (includes crude oil and natural gas)	0.8	0.7	1.1	2.3
Manufacturing	1.4	1.6	2.2	2.4
Electricity, gas, and water supply; waste management	0.7	0.9	1.3	1.3
Construction	0.6	0.8	0.8	1.1
Wholesale and retail trade; repair of motor vehicles and motorcycles	0	0	0.1	0.3
Transportation and storage	0.2	0.2	0.5	0.2
Financial and insurance	1.1	1.3	1.7	1.4
Real estate*	2.5	2.4	3.1	3.7
Professional, scientific and technical	0.2	0.3	0.4	0.6
Administrative and support services	0	0.1	0.1	0
Education	0	0	0.1	0.1

Source: Statistics Centre - Abu Dhabi

Note: Figures may not sum to totals due to rounding

* Includes real estate sales to non-residents

1.7.4 Percentage Distribution of Foreign Direct Investment by Economic Activity

(%)

Economic Activity	2013	2014	2015	2016
Total	100	100	100	100.0
Mining and quarrying (includes crude oil and natural gas)	10.1	8.7	9.5	17.3
Manufacturing	18.1	19.1	19.5	18.0
Electricity, gas, and water supply; waste management	9.6	10.2	11.6	9.8
Construction	8.2	9.0	7.2	7.9
Wholesale and retail trade; repair of motor vehicles and motorcycles**	0.4	0.4	0.6	2.3
Transportation and storage**	2.8	2.3	4.0	1.2
Information and communication	0.2	0.2	0.2	0.5
Financial and insurance	14.1	15.7	15.1	10.4
Real estate*	32.8	29.0	27.0	27.7
Professional, scientific and technical	2.5	3.7	3.6	4.3
Administrative and support services**	0.5	1.1	1.0	0.1
Education	0.6	0.6	0.4	0.5
Human health and social work	0	0	0	0
Arts, recreation and other services**	0.1	0.1	0.1	0

Source: Statistics Centre - Abu Dhabi

Note: Figures may not sum to totals due to rounding

* Includes real estate sales to non-residents

** In 2016 the change in some activities is due to the transfer of some establishments between ISIC 4 classifications

1.7.5 Total stock of Foreign Direct Investment by Top Ten Countries

(Million AED)

Countries	2015		2016	
	Value	%	Value	%
Total	88,095	100	100,887	100
United Kingdom	5,740	6.5	15,154	15.0
Austria	13,005	14.8	14,355	14.2
France	7,002	7.9	7,752	7.7
Japan	3,291	3.7	6,100	6.0
South Korea	4,199	4.8	3,974	3.9
Libya	2,622	3.0	3,334	3.3
Cayman Islands	1,818	2.1	2,746	2.7
Netherlands	3,644	4.1	2,020	2.0
Jordan	1,916	2.2	2,001	2.0
United States	3,297	3.7	1,744	1.7
Other*	41,561	47.2	41,707	41.3

Source: Statistics Centre - Abu Dhabi

Note: Figures may not sum to totals due to rounding

* Includes real estate sales to non-residents

1.7.6 Total stock of Foreign Direct Investment by Region

(Million AED)

Region	2013	2014	2015	2016
Total	71,931	81,112	88,095	100,887
GCC countries	1,614	2,820	3,213	2,866
Other Arab countries	6,637	6,643	6,414	8,034
Other Asian countries	6,342	7,982	11,013	12,582
Other African countries	183	0	0	8
European countries	26,684	32,980	36,021	45,201
North America	1,744	1,796	5,094	3,867
Latin America	1,613	1,701	1,322	155
Other regions*	27,115	27,190	25,018	28,174

Source: Statistics Centre - Abu Dhabi

Note: Figures may not sum to totals due to rounding

* Includes real estate sales to non-residents

The change in the share of some countries in 2016 is includes movement of ownership between countries

1.7.7 Percentage Distribution of Foreign Direct Investment by Region (%)

Region	2013	2014	2015	2016
Total	100	100	100	100.0
GCC countries	2.2	3.5	3.6	2.8
Other Arab countries	9.2	8.2	7.3	8.0
Other Asian countries	8.8	9.8	12.5	12.5
Other African countries	0.3	0	0	0
European countries	37.1	40.7	40.9	44.8
North America	2.4	2.2	5.8	3.8
Latin America	2.2	2.1	1.5	0.2
Other regions*	37.7	33.5	28.4	27.9

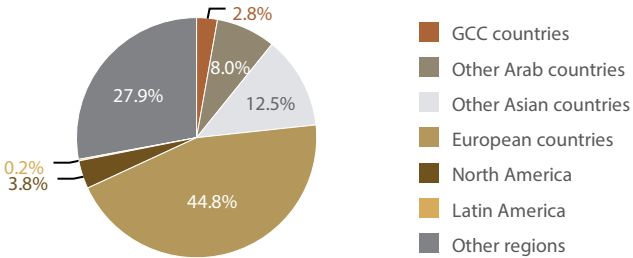
Source: Statistics Centre - Abu Dhabi

Note: Figures may not sum to totals due to rounding

The change in the share of some countries in 2016 is includes movement of ownership between countries

* Includes real estate sales to non-residents

Figure 1.7.2 Percentage Distribution of Foreign Direct Investment by Region, 2016



Source: Statistics Centre - Abu Dhabi

1.7.8 Total stock of Other Investment by Economic Activity

(Million AED)

Economic Activity	2013	2014	2015	2016
Total	135,066	160,364	177,111	227,290
Mining and quarrying (includes crude oil and natural gas)	1,779	1,297	488	622
Manufacturing	12,043	364	458	240
Electricity, gas, and water supply; waste management	10,916	10,512	13,642	8,393
Construction	498	966	867	188
Wholesale and retail trade; repair of motor vehicles and motorcycles*	166	71	106	1,975
Transportation and storage*	2,166	2,206	1,424	53
Information and communication	6,994	31,154	31,148	30,070
Financial and insurance	100,107	113,591	128,734	185,455
Real estate	230	7	8	22
Professional, scientific and technical	156	162	211	239
Administrative and support services*	9	12	9	21
Education	2	20	16	13

Source: Statistics Centre - Abu Dhabi

Note: Figures may not sum to totals due to rounding

* In 2016 The change in some activities is due to the transfer of some establishments between ISIC 4 classifications

1.7.9 Percentage Distribution of Other Investment by Economic Activity (%)

Economic Activity	2013	2014	2015	2016
Total	100	100	100	100
Mining and quarrying (includes crude oil and natural gas)	1.3	0.8	0.3	0.3
Manufacturing	8.9	0.2	0.3	0.1
Electricity, gas, and water supply; waste management	8.1	6.6	7.7	3.7
Construction	0.4	0.6	0.5	0.1
Wholesale and retail trade; repair of motor vehicles and motorcycles*	0.1	0	0.1	0.9
Transportation and storage*	1.6	1.4	0.8	0
Information and communication	5.2	19.4	17.6	13.2
Financial and insurance	74.1	70.8	72.7	81.6
Real estate	0.2	0	0	0
Professional, scientific and technical	0.1	0.1	0.1	0.1

Source: Statistics Centre - Abu Dhabi

Note: Figures may not sum to totals due to rounding

* In 2016 The change in some activities is due to the transfer of some establishments between ISIC 4 classifications

1.7.10 Total stock of Portfolio Investment by Economic Activity


(Million AED)

Economic Activity	2013	2014	2015	2016
Total	57,125	57,283	87,895	131,354
Mining and quarrying (includes crude oil and natural gas)	0	0	79	181
Manufacturing	0	0	0	213
Electricity, gas, and water supply; waste management	0	0	283	5,430
Construction	140	0	0	2
Wholesale and retail trade; repair of motor vehicles and motorcycles	0	0	0	6,037
Information and communication	0	0	0	2,801
Financial and insurance	49,657	53,405	83,702	95,590
Real estate	7,328	3,878	3,831	8,697
Public administration and defence; compulsory social security	0	0	0	12,403

Source: Statistics Centre - Abu Dhabi

Note: Figures may not sum to totals due to rounding





2. Industry and Business

- Investment climate
- Manufacturing
- Oil and Gas
- Petrochemicals
- Electricity and Water
- Construction
- Transportation
- ICT
- Hotels

2. Industry and Business

The key indicators in the Industry and Business chapter provide statistical data on all economic activities of the Emirate of Abu Dhabi and reflect the growing economy of the Emirate. The 'Mining and quarrying' activity is particularly important. Manufacturing activity accounted for 6.5% based on preliminary estimates of the GDP in 2017. In the "Tourism" activity, the total number of hotel establishments was 162 in 2017. Over the same period, the number of guests increased by 10.1 %, the number of rooms by 0.9 % and the occupancy rate was 72.0%, while the average length of stay reached 2.5 nights.

In the "Transport" activity, the number of passengers travelling through the Emirate's airports totaled 23.6 million during 2017 compared with 24.6 million during 2016.

In the "Information and communication" activity, the number of fixed telephone subscriptions was 15 per 100 inhabitants, and the fixed broadband subscribers was 12 per 100 inhabitants in 2017.

2017

Total Number of Business Licenses (New & renewed)	91,742
Production of Petrochemicals Products (Metric Tons)	6,246,038
Domestic Sales of Petrochemical Products (Metric Tons)	467,678
Number of Building Permits Issued in the Emirate of Abu Dhabi	7,003
Number of Passengers Using the Emirate's Airports (Million)	23.6
Fixed Telephone Subscribers Per 100 Inhabitants	15
Fixed broadband subscribers per 100 Inhabitants	12
Number of Hotel Establishments	162
Number of Hotel Establishments Guests (Thousand)	4,888

2.1. Business Environment

Abu Dhabi Government adopted a long-term plan to facilitate the transformation of the Emirate's economy with the objective of creating an ideal business environment, reducing the reliance on the oil sector and establishing a greater focus on a knowledge-based economy in the future. The Emirate of Abu Dhabi has made significant progress in this regard and the Emirate's economic development and achievements can largely be attributed to the presence of such an environment.

There are several underlying factors contributing to the Emirate's attractive business environment, including the policies followed in the Emirate of Abu Dhabi for the implementation of Abu Dhabi Vision 2030, strategic geographic location, highly developed infrastructure, miscellaneous facilities offered by the Emirate's industrial zones, very low taxation and easy access to energy sources and efficient credit facilities.

The Abu Dhabi Government has a strong commitment to establish and grow local entrepreneurship while at the same time establishing an economy, which is well integrated with the global economy

A total of 9,417 new business licenses were registered in 2017, while 2,596 licenses were cancelled during the same year.

2.1.1 General Indicators of the Business Environment

Indicators	2014	2015	2016	2017
Number of registered new business licenses	9,934	9,228	8,963	9,417
Number of renewed business licenses	73,055	75,392	77,709	82,325
Number of canceled business licenses	1,820	7,313	2,114	2,596

Source: Department of Economic Development

2.1.2 Key Statistics of Wholesales and Retail Trade and Repairing Services

Indicators	2014	2015	2016	2017*
Share in GDP (%)	3.9	5.3	6.3	5.7
Share in non-oil GDP (%)	7.8	8.1	9.2	8.9
Gross Output (% of GDP)	5.5	7.5	8.5	7.7
Capital Formation (% of GDP)	0.3	0.4	0.5	0.4
Compensation of Employees (Million AED)	12,553	13,122	14,158	14,109

Source: Statistics Centre - Abu Dhabi

* Preliminary estimates

2.2. Manufacturing

Manufacturing is one of the strategically important economic activities in the Emirate of Abu Dhabi. The long-term economic development plan places focus on the manufacturing sector to contribute significantly to the development of the non-oil economy and ensure more stable economic growth in the Emirate.

The Manufacturing activity accounted for 6.5% based on preliminary estimates of the GDP in 2017 and 10.1% based on preliminary estimates of the non-oil GDP in 2017.

2.2.1 Key Statistics of the Manufacturing Activity

Indicators	2014	2015	2016	2017*
Share in GDP at current prices (%)	5.4	6.5	6.6	6.5
Share in non-oil GDP at current prices (%)	10.9	10.0	9.6	10.1
Gross output (% of GDP at current prices)	19.7	22.0	22.6	23.0
Capital formation (% of GDP at current prices)	2.1	1.7	1.5	1.5
Compensation of employees (Million AED)	17,499	19,021	19,002	19,972

Source: Statistics Centre - Abu Dhabi

* Preliminary estimates

2.2.2 Gross Output and Value Added of the Manufacturing Activity

(Million AED)

Type of Manufacturing Activity	2015		2016	
	Gross Output	Value Added	Gross Output	Value Added
Total	171,556	52,582	171,908	51,938
Food, beverages and tobacco	9,759	3,690	9,860	3,716
Textiles, garments and leather products	2,239	1,066	2,262	1,091
Wood and wood products	658	244	658	245
Paper, printing, publishing and reproduction media	875	485	885	490
Chemicals and plastics and related products	89,275	22,764	89,009	21,168
Non-metallic mineral products (except oil)	11,617	3,570	11,406	3,543
Manufacture of basic metal	23,254	6,434	22,562	6,459
Structural metal products except machinery and equipment	11,240	4,436	10,047	3,839
Machinery, equipment and devices	9,110	3,285	8,591	3,146
Furniture	956	413	932	405
Repair and installation of machinery, equipment and other manufacturing	12,573	6,195	15,697	7,837

Source: Statistics Centre - Abu Dhabi

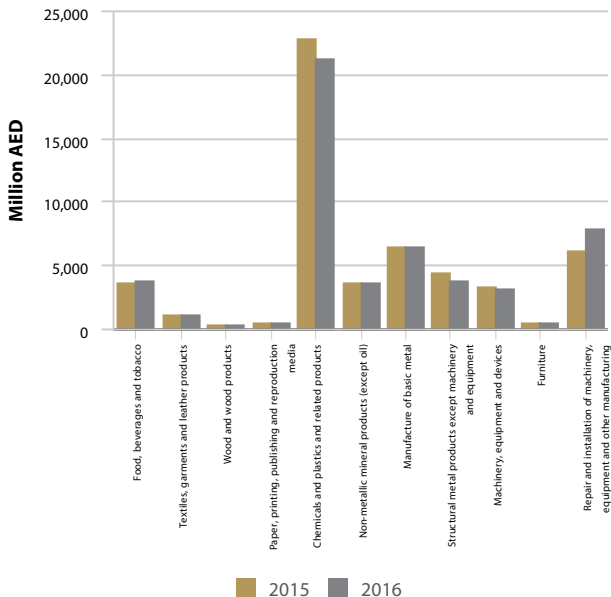
2.2.3 Gross Fixed Capital Formation of the Manufacturing Activity

(Million AED)

Type of Manufacturing Activity	2015	2016
Total	12,911	11,611
Food, beverages and tobacco	357	618
Textiles, garments and leather products	31	48
Wood and wood products	112	19
Paper, printing, publishing and reproduction media	64	81
Chemicals and plastics and related products	8,144	6,441
Non-metallic mineral products (except oil)	767	701
Manufacture of basic metal	1,098	1,152
Structural metal products except machinery and equipment	558	593
Machinery, equipment and devices	185	207
Furniture	13	16
Repair and installation of machinery, equipment and other manufacturing	1,582	1,736

Source: Statistics Centre - Abu Dhabi

Figure 2.2.1 Value Added of the Manufacturing Activity



Source: Statistics Centre - Abu Dhabi

2.2.4 Key Statistics of the Basic Metal of Manufacturing Activity

Indicators	2014	2015	2016	2017*
Share in GDP at current prices (%)	0.7	0.9	0.8	1.0
Share in non-oil GDP at current prices (%)	1.5	1.4	1.2	1.5
Gross output (% of GDP at current prices)	2.5	3.0	3.0	3.3
Capital formation (% of GDP at current prices)	0.3	0.1	0.2	0.1
Compensation of employees (Million AED)	1,837	1,860	1,837	2,022
Imports (% of total imports)	17.8	16.5	18.2	18.8
Exports (% of total non-oil exports)	43.2	62.5	35.4	40.7

Source: Statistics Centre - Abu Dhabi

* Preliminary estimates

2.3. Oil and Gas

2.3.1 Key Statistics of Oil and Gas Activity

Indicators	2014	2015	2016	2017*
Share in GDP at current prices (%)	50.1	34.4	30.9	35.1
Gross output (% of GDP at current prices)	52.0	37.1	33.4	37.7
Capital formation (% of GDP at current prices)	2.2	5.2	7.6	6.3
Compensation of employees (Million AED)	13,339	15,530	14,220	13,252

Source: Statistics Centre - Abu Dhabi

* Preliminary estimates

2.4. Petrochemicals

The Emirate of Abu Dhabi with its large reserves of natural gas and associated liquids is well positioned to increase its participation in the global chemicals industry. The petrochemicals industry in Abu Dhabi continuously expands its well established production, marketing and export activities and is witnessing significant development as one of the sectors that has been targeted as a priority for diversifying future economic development in the Emirate.

The growth in the sector is supported by the fact that many of the basic materials needed for producing petrochemical products are available within the Emirate. The most important petrochemical products in the Emirate include ammonia, urea fertilizers, polyethylene and polypropylene.

Production of Petrochemicals Products decreased from 6,661,945 metric tons in 2016 to 6,246,038 metric tons in 2017, a decrease of 6.2%.

The value of exports of petrochemicals products totaled 4,724,154 metric tons in 2017.

2.4.1 Production and Exports of Petrochemicals Products

(Metric Tons)

Type of Products	2016		2017	
	Production	Exports	Production	Exports
Total	6,661,945	4,901,268	6,246,038	4,724,154
Ammonia	1,116,435	21,701	1,090,180	12,000
Urea fertilizer	1,916,808	1,832,626	1,881,891	1,930,861
Polyethylene	2,412,249	2,101,397	2,377,147	2,015,898
Polypropylene	1,216,452	945,544	896,820	765,395

Source: Abu Dhabi National Oil Company - ADNOC

2.4.2 Domestic Sales of Petrochemical Products

(Metric Tons)

Type of Products	2013	2014	2015	2016	2017
Total	306,937	296,555	464,245	495,865	467,678
Urea fertilizer	28,171	25,466	31,065	31,565	37,465
Polyethylene	153,136	163,946	268,212	293,799	306,639
Polypropylene	125,630	107,143	164,967	170,500	123,574

Source: Abu Dhabi National Oil Company - ADNOC

2.4.3 Export Prices of Petrochemicals Products

(\$/Metric Tons)

Type of Products	2013	2014	2015	2016	2017
Ammonia	514	498	389	293	225
Urea fertilizer	334	330	277	207	222
Polyethylene	1,576	1,602	1,295	1,186	1,263
Polypropylene	1,539	1,569	1,177	1,044	1,159

Source: Abu Dhabi National Oil Company - ADNOC

2.5. Electricity and Water

2.5.1. Key Statistics of Electricity and Water Activities

Indicators	2014	2015	2016	2017*
Share in GDP at current prices (%)	2.5	3.8	4.0	4.1
Share in non-oil GDP at current prices (%)	5.0	5.9	5.9	6.4
Gross output (% of GDP at current prices)	3.5	5.4	5.6	5.7
Capital formation (% of GDP at current prices)	0.8	1.3	0.7	0.7
Compensation of employees (Million AED)	2,191	2,155	2,140	2,209

Source: Statistics Centre - Abu Dhabi

* Preliminary estimates

2.6. Construction

Several focus sectors have been identified by the Abu Dhabi government for their potential to provide long-term, sustainable growth and diversification of the Emirate of Abu Dhabi's economy over the next two decades and beyond. New infrastructure such as hotels and resorts are required for development of the tourism industry in the Emirate of Abu Dhabi and construction as one of the enabler industries will contribute to the development and support of the targeted future growth sectors.

Construction activity contributed 9.9% based on preliminary estimates of the GDP in 2017. Building permits statistics show that the number of residential building permits issued (Residential, Residential and commercial) in 2017 reached 5,891. In addition 1,112 non-residential building permits were issued in 2017 compared with 1,162 in 2016. The number of building permits issued for construction of new buildings represented 10.9% of the total number of building permits issued in 2017.

2.6.1 Key Statistics of the Construction Activity

Indicators	2014	2015	2016	2017*
Share in GDP at current prices (%)	8.7	11.4	11.2	9.9
Share in non-oil GDP at current prices (%)	17.7	17.6	16.4	15.4
Gross output (% of GDP at current prices)	19.4	25.0	24.6	21.7
Capital formation (% of GDP at current prices)	0.46	0.58	0.50	0.45
Compensation of employees (Million AED)	29,758	30,325	29,345	28,007

Source: Statistics Centre - Abu Dhabi

* Preliminary estimates

2.6.2 Number of Permits Issued by Type-Abu Dhabi Region

Type of Permits	2014	2015	2016	2017
Total	18,065	19,830	19,155	17,705
New buildings	1,350	1,322	1,972	1,733
Permits renewal or amendments	5,124	5,813	6,904	5,953
Additions	2,662	2,823	2,900	3,273
Improvements and decorations	4,414	4,054	1,959	1,101
Temporary	1,010	1,035	50	32
Demolition	217	237	194	253
Others	3,288	4,546	5,176	5,360

Source: Department of Urban Planning and Municipalities, Abu Dhabi city Municipality

2.6.3 Number of Permits Issued by Type-Al Ain Region

Type of Permits	2010	2014	2015	2016	2017
Total	3,377	4,615	4,292	3,238	3,616
New buildings	1,029	825	1,295	1,243	1,009
Permits renewal or amendments	599	86	190	984	1,404
Additions	982	3,020	608	467	495
Improvements and decorations	558	426	1,925	346	475
Temporary	13	3	0	0	0
Demolition	187	249	197	170	150
Others	9	6	77	28	83

Source: Department of Urban Planning and Municipalities, Al Ain city Municipality

2.6.4 Number of Permits Issued by Type-Al Dhafra Region

Type of Permits	2010	2014	2015	2016	2017
Total	887	601	5,011	6,909	5,650
New buildings	140	291	304	224	209
Permits renewal or amendments	80	34	5	9	3
Additions	429	5	38	214	284
Improvements and decorations	188	79	67	44	38
Temporary	7	0	308	308	183
Demolition	23	22	10	13	10
Others	20	170	4,279	6,097	4,923

Source: Department of Urban Planning and Municipalities, Al Dhafra Region Municipality

2.6.5 Number of Permits Issued by Building Usage-Abu Dhabi Region

Building Usage	2010	2014	2015	2016	2017
Total	7,268	18,065	19,830	19,155	17,705
Residential	4,473	10,413	10,953	10,714	10,955
Commercial	968	2,753	2,782	1,959	1,668
Industrial	638	1,013	1,487	1,357	1,273
Public utilities	3	639	1,003	750	546
Agricultural	80	52	92	89	108
Residential and commercial	6	1,217	1,089	1,174	1,422
Temporary	279	0	0	0	0
Others	821	1,978	2,424	3,112	1,733

Source: Department of Urban Planning and Municipalities, Abu Dhabi city Municipality

Note: Data includes all types of licenses

2.6.6 Number of Permits Issued by Building Usage -Al Ain Region

Building Usage	2010	2014	2015	2016	2017
Total	3,377	4,615	4,292	3,238	3,616
Residential	2,422	3,493	3,122	2,853	2,881
Commercial	313	615	460	93	185
Industrial	196	55	111	37	65
Public utilities	84	212	182	85	142
Agricultural	56	55	41	38	73
Residential and commercial	193	0	159	0	20
Others	113	185	217	132	250

Source: Department of Urban Planning and Municipalities , Al Ain city Municipality

Note: Data includes all types of licenses

2.6.7 Number of Permits Issued by Building Usage-Al Dhafra Region

Building Usage	2010	2014	2015	2016	2017
Total	887	601	5,011	6,909	5,650
Residential	653	406	2,947	4,262	3,624
Commercial	75	23	261	394	314
Industrial	100	68	581	861	605
Public utilities	34	68	558	648	626
Agricultural	24	18	125	130	233
Others	1	18	539	614	248

Source: Department of Urban Planning and Municipalities ,Al Dhafra Region Municipality

Note: Data includes all types of licenses

2.6.8 Number of Building Permits Issued by Type and Building Usage - Abu Dhabi Region

Building Usage	2016		2017	
	New Buildings	Additions	New Buildings	Additions
Total	1,972	2,900	1,733	3,273
Residential	1,576	2,337	1,366	2,715
Commercial	51	77	48	85
Industrial	102	312	60	333
Agricultural	19	24	31	19
Public utilities	128	71	59	50
Residential and commercial	95	68	168	57
Others	1	11	1	14

Source: Department of Urban Planning and Municipalities, Abu Dhabi city Municipality

2.6.9 Number of Building Permits Issued by Type and Building Usage - Al Ain Region

Building Usage	2016		2017	
	New Buildings	Additions	New Buildings	Additions
Total	1,243	467	1,009	495
Residential	1,048	418	771	430
Commercial	40	5	39	12
Industrial	15	5	17	8
Agricultural	4	12	13	18
Public utilities	39	17	61	9
Residential and commercial	0	0	5	1
Others	97	10	103	17

Source: Department of Urban Planning and Municipalities, Al Ain city Municipality

2.6.10 Number of Building Permits Issued by Type and Building Usage -Al Dhafra Region

Building Usage	2016		2017	
	New Buildings	Additions	New Buildings	Additions
Total	224	214	209	284
Residential	125	191	138	240
Commercial	6	6	5	3
Industrial	28	6	18	12
Agricultural	5	8	7	22
Public utilities	18	3	19	4
Others	42	0	22	3

Source: Department of Urban Planning and Municipalities ,Al Dhafra Region Municipality

2.7. Transportation

The Abu Dhabi Government attaches increasing attention to the transportation activity as it is considered one of the catalyst activities of economic development in the Emirate. New transport means are created to keep pace with economic and urban development taking place in the Emirate.

The existing infrastructure is continuously upgraded to enhance connections between the Emirate's geographical regions and with global markets. Ongoing investment in the Emirate's transport infrastructure contributed to the transport activity maintaining a significant share in Gross Domestic Product.

The total aircraft movements in 2017 were about 184 thousand flights compared with 194 thousand flights in 2016, a decrease of 5.1% compared with 2016. The number of passengers equaled 23.5 million in 2017, an decrease of 4.2% compared with 2016.

2.7.1 Key Statistics of Transportation and Storage

Indicators	2014	2015	2016	2017*
Share in GDP at current prices (%)	3.8	4.8	3.6	3.3
Share in non-oil GDP at current prices (%)	7.6	7.3	5.3	5.2
Gross output (% of GDP at current prices)	6.6	8.8	7.7	7.0
Capital formation (% of GDP at current prices)	2.4	3.2	2.2	2.1
Compensation of employees (Million AED)	10,955	11,915	13,610	13,539

Source: Statistics Centre - Abu Dhabi

* Preliminary estimates

2.7.2 Fuel prices at service stations

Indicator	2014	2015	2016	2017
Pump price for diesel fuel (AED per litre)	2.35	2.35	1.68	1.99
Pump price for gasoline (AED per litre)*	1.61	1.68	1.56	1.81

Source: Statistics Centre - Abu Dhabi

* Pump price of gasoline E-Plus

2.7.3 External Road Details, 2016

(length in km)

Length	Region			
	Abu Dhabi	Al Ain	Al Dhafra	Total
1Lanex2	603	1,026	222	1,852
2Lanesx2	770	1,315	2,771	4,856
3Lanesx2	531	895	480	1,906
4Lanesx2	1,897	391	0	2,288
5Lanesx2	457	0	0	457

Source: Department of Transport

Note: The length of the road is multiplied by the number of lanes

2.7.4 External Road Details, 2017

(length in km)

Length	Region			
	Abu Dhabi	Al Ain	Al Dhafra	Total
1Lanex2	603	1,026	222	1,852
2Lanesx2	770	1,315	2,771	4,856
3Lanesx2	531	895	480	1,906
4Lanesx2	1,897	391	0	2,288
5Lanesx2	457	0	0	457

Source: Department of Transport

Note: The length of the road is multiplied by the number of lanes

2.7.5 Length of Internal Roads

(length in km)

Region	2014	2015	2016	2017
Total	18,219	18,549	19,443	19,512
Abu Dhabi Region	13,200*	13,528	14,497	14,552
Al Ain Region	2,115	2,115	2,115	2,115
Al Dhafra Region	2,904	2,906	2,831	2,845

Source: Department of Urban Planning and Municipalities , Abu Dhabi city Municipality - Al Ain city -Al Dhafra Region

Note: The length of the road is multiplied by the number of lanes

* Preliminary estimates

2.7.6 Aircraft Movement by Airport and Month

Airport / Month	2014	2015	2016	2017
Abu Dhabi international airport*	186,207	169,989	168,535	154,543
January	14,905	14,117	14,233	14,190
February	14,058	12,807	13,092	12,754
March	15,333	14,414	14,117	13,959
April	15,056	13,982	13,718	13,249
May	15,790	14,447	14,137	13,238
June	15,492	14,117	13,538	12,272
July	15,400	14,689	14,478	12,871
August	15,672	14,964	14,681	13,091
September	15,747	14,130	14,201	12,364
October	16,146	14,304	14,402	12,247
November	15,922	13,753	13,853	12,063
December	16,686	14,265	14,085	12,245
Al Ain international airport	26,993	24,579	25,749	29,797
January	3,304	1,534	2,069	2,059
February	3,423	2,019	2,082	2,465
March	2,523	2,376	1,634	2,865
April	2,887	2,749	2,640	3,282
May	2,329	2,884	2,086	2,627
June	2,464	2,420	2,291	2,047
July	2,406	2,038	1,982	2,300
August	3,376	2,118	2,391	2,731
September	2,578	1,656	2,550	2,464
October	341	1,435	2,193	2,439
November	485	1,575	1,728	2,451
December	877	1,775	2,103	2,067

Source: Abu Dhabi Airports Company

* Abu Dhabi International Airport figures include Al Bateen executive Airport

2.7.7 Air Transport by Airport, Passengers and Freights

Item	2014	2015	2016	2017
Abu Dhabi international airport*				
Aircraft Movement	186,207	169,989	168,535	154,543
Passengers:				
Arrival	9,797,879	11,564,563	12,139,014	11,678,045
Departure	9,782,403	11,558,557	12,213,371	11,717,679
Transit	284,845	163,512	129,734	25,869
Freights (tons):				
In	431,138	458,565	445,860	408,574
Out	365,927	368,898	354,007	325,716
Mail (tons):				
In	3,093	3,975	5,433	6,973
Out	5,907	6,113	7,847	7,651
Al Ain international airport				
Aircraft Movement	26,993	24,579	25,749	29,797
Passengers:				
Arrival	22,718	25,992	34,579	62,341
Departure	19,652	23,746	30,640	51,709
Transit	27,179	11,443	31,460	22,469
Freights (tons):				
In	150	217	156	445
Out	121	868	440	732
Mail (tons):				
In	0	0	0	0
Out	0	0	0	0

Source: Abu Dhabi Airports Company

* Abu Dhabi International Airport figures include Al Bateen Executive Airport

2.7.8 Air Cargo Discharged by Region

(Tons)

Region	2014	2015	2016	2017
Total	431,138	458,565	445,860	408,574
GCC countries	11,053	9,787	8,848	8,588
Other Arab countries	9,700	12,453	14,902	13,495
Asia (except Arab)	205,844	230,672	221,265	187,804
Europe	146,676	152,066	145,484	139,166
North America	17,893	20,102	16,511	17,416
South America	5,005	3,487	3,528	944
Africa (except Arab)	17,031	16,611	15,965	19,782
Australia	17,850	13,387	19,356	21,379
Others	86	0	0	0

Source: Abu Dhabi Airports Company

Note: Data Abu Dhabi international airport only / Data exclude passengers baggage , diplomatic cargo and aircraft store

2.7.9 Air Cargo Loaded by Region of Destination

(Tons)

Region	2014	2015	2016	2017
Total	365,927	368,898	354,007	325,716
GCC countries	45,286	43,114	40,565	32,200
Other Arab countries	15,058	14,096	17,191	15,033
Asia (except Arab)	106,273	116,876	115,902	108,416
Europe	139,020	137,790	131,218	125,342
North America	16,737	15,329	14,000	15,461
South America	2,129	1,797	1,801	177
Africa (except Arab)	28,427	28,043	21,541	16,183
Australia	12,975	11,853	11,790	12,904
Others	22	0	0	0

Source: Abu Dhabi Airports Company

Note: Data Abu Dhabi international airport only / Data exclude passengers baggage , diplomatic cargo and aircraft store

2.7.10 Air Passengers Arrivals by Region of Embarkation

Region	2014	2015	2016	2017
Total	9,797,879	11,564,563	12,139,014	11,678,045
GCC countries	1,652,283	1,753,222	1,805,190	1,529,150
Other Arab countries	574,004	686,811	707,983	705,680
Asia (except Arab)	4,009,320	4,839,961	5,114,609	4,995,176
Europe	2,324,205	2,825,223	2,852,072	2,851,746
North America	471,701	537,486	635,293	652,836
South America	75,213	72,579	89,781	25,012
Africa (except Arab)	270,162	313,222	318,721	281,123
Australia	418,283	532,518	610,998	632,415
Others	2,708	3,541	4,367	4,907

Source: Abu Dhabi Airports Company

Note: Data Abu Dhabi international airport only / Data exclude transit passengers who continued their journey on the same flight

2.7.11 Air Passengers Departures by Region of Disembarkation

Region	2014	2015	2016	2017
Total	9,782,403	11,558,557	12,213,371	11,717,679
GCC countries	1,723,745	1,839,812	1,909,195	1,543,583
Other Arab countries	559,548	675,768	708,865	711,669
Asia (except Arab)	3,942,482	4,628,598	4,956,530	4,927,300
Europe	2,359,144	2,917,315	2,947,608	2,934,192
North America	478,396	598,668	691,663	669,497
South America	76,390	76,815	90,026	24,573
Africa (Except Arab)	242,117	289,595	301,343	265,693
Australia	397,766	528,297	603,853	636,026
Others	2,815	3,689	4,288	5,146

Source: Abu Dhabi Airports Company

Note: Data Abu Dhabi international airport only / Data exclude transit passengers who continued their journey on the same flight

2.7.12 Main Indicators for Goods Vessels Movement

Item	2014	2015	2016	2017
Number of vessels	40,762	41,645	40,548	36,299
Container TEUs*				
Total TEUs	1,137,679	1,504,293	1,531,384	1,400,436
Discharged	568,477	751,745	761,780	689,260
Loaded	569,202	752,548	769,604	711,176
General cargo (metric tons)				
Total cargo	12,804,248	15,292,840	17,825,624	18,568,887
Discharged	11,901,968	14,339,966	16,731,767	17,632,183
Loaded	902,280	952,874	1,093,857	936,704
Vehicle unit				
Total units	106,071	134,272	119,758	135,247
Discharged	105,836	120,551	105,147	121,490
Loaded	235	13,721	14,611	13,757

Source: Abu Dhabi Port Company

* Twenty-foot Equivalent Unit (TEU)

2.7.13 Vessels Turnaround in Abu Dhabi ports 2017

Item	Zayed Port	Khalifa Port
Number of vessels	817	1,482
Total turnaround (Hours)*	1,282	1,639
Average turnaround	1:35	1:06
Total stay (Hours)*	2,801	4,611
Total gross tonnage (M.T)	18,328,290	59,200,996

Source: Abu Dhabi Port Company

* Note: There is difference in the methodology calculation in 2017 compared with previous years from the source.

2.7.14 Distribution of Container TEUs Incoming and Outgoing by Region

Region	2016		2017	
	Incoming	Outgoing	Incoming	Outgoing
Total	761,780	769,604	689,260	711,176
United Arab Emirates*	530,134	407,218	444,113	346,061
Other GCC Countries	76,727	22,673	101,935	28,855
Total Middle East (Non- GCC)	37,963	11,688	30,242	11,048
Indian Sub Continent	9,154	26,873	13,750	28,743
South East Asia	17,864	83,556	14,444	63,760
Far East	53,709	193,575	57,099	210,502
North Africa	3,727	7,777	3,748	9,396
South Africa	28	0	19	0
East Africa	4,569	2,420	3,049	3,191
West Africa	2	0	2	0
Western Europe	399	3	144	5
Mediterranean	24,134	7,677	12,724	7,198
Scandinavia	38	0	0	0
Eastern Europe	360	0	61	0
North America	364	0	0	0
Caribbean	0	0	0	0
Central America	0	0	0	0
South America	40	407	0	0
Australasia	5	10	0	0
Others	2,563	5,727	7,930	2,417

Source: Abu Dhabi Port Company

* Containers TEUs of UAE are from other emirates of UAE

2.7.15 Post Offices and Mail Boxes

Item	2015	2016	2017
Number of post offices	34	35	34
Number of mail boxes for private and Corporate	144,979	159,913	110,684
Number of mail boxes for public	167	110	79

Source: Emirates Post

2.7.16 Postal Traffic by Type

Postal Traffic	2015	2016	2017
Registered letters			
Internal	1,317,036	1,023,088	984,778
External outgoing	73,229	65,189	52,166
External incoming	225,020	254,011	349,062
Parcels			
Internal	936	735	726
External outgoing	47,989	45,493	40,898
External incoming	33,449	33,922	31,039
Express mail			
Internal	17,973	18,874	20,740
External outgoing	61,508	62,570	31,784
External incoming	63,352	57,006	57,105

Source: Emirates Post

2.8. Information and Communication Technology

In order to keep pace with information technology advancement, the Abu Dhabi Government launched an ambitious national strategy, which will enhance the Information and Communication Technology (ICT) infrastructure. It will also encourage both local and foreign investment in the area of advanced technologies.

Abu Dhabi is striving to achieve a knowledge-based economy by deploying advanced technologies throughout the Emirate. Given the increasing importance of efficient ICT in all areas of life, Statistics Centre - Abu Dhabi is keen to publish these most essential ICT statistics and indicators for the Emirate of Abu Dhabi.

Fixed broadband subscribers per 100 inhabitants amounted to 12, and the Fixed telephone subscribers per 100 inhabitants totaled 15 in 2017.

2.8.1 Key Statistics of Information and Communication Technology

Indicators	2014	2015	2016	2017*
Share in GDP at current prices (%)	2.1	2.7	2.9	2.8
Share in non-oil GDP at current prices (%)	4.3	4.2	4.3	4.3
Gross output (% of GDP at current prices)	3.3	4.2	4.5	4.2
Capital formation (% of GDP at current prices)	0.2	0.4	0.3	0.3
Compensation of employees (Million AED)	5,161	5,518	4,857	5,037

Source: Statistics Centre - Abu Dhabi

* Preliminary estimates

2.8.2 The Information and Communication Technology Indicators

Indicators	2014	2015	2016	2017
Fixed broadband subscribers per 100 inhabitants	12	12	12	12
Fixed telephone subscribers per 100 inhabitants	19	16	15	15
Mobile cellular subscribers per 100 inhabitants	199	186	146	166
Percentage of population covered by mobile network	100	100	100	100

Source: Telecommunications Regulatory Authority

2.8.3 Tariff of Telecommunications Services

(AED/Month)

Type of Services	Tariff				
	2013	2014	2015	2016	2017
Consumer fixed broadband internet access tariff (256 kbps)	149	149	149	69	69
Business fixed broadband internet access tariff (512 kbps)	775	775	755	306*	465*
Fixed line telephone tariff:					
Home user	39	39	39	39	39
Business user	95	95	95	95	95
Mobile cellular prepaid tariff (100 minutes/month)	30	20	20	14	13

Source: Telecommunications Regulatory Authority

* (4 Mbps)

2.9. Hotels

The Government of Abu Dhabi identified tourism as an important development sector for diversifying the economy and to increase sources of income of the Emirate. Due to the importance of this vital sector in the agenda of the Abu Dhabi Government, Statistics Centre-Abu Dhabi has developed a range of hotel sector indicators.

The number of hotel establishments reached 162 in 2017 while, the number of rooms increased by 0.9% compared with the previous year. In 2017, the number of guests totaled about 4.8 million, an increase of 10.1% compared with the previous year. The occupancy rate decreased to 72.0% in 2017, compared with 73.0% in 2016, while the number of guest nights increased by 2.2% compared with 2016.

2.9.1 Key Statistics of the Hotel Establishments Activity

Item	2014	2015	2016	2017
Number of hotel establishments	160	168	169	162
Number of rooms	28,374	29,760	30,602	30,882
Number of guests (Thousand)	3,494	4,106	4,440	4,888
Number of guestnights (Thousand)	10,463	12,243	12,032	12,293
Average length of stay (nights)	3.0	2.9	2.7	2.5
Occupancy rate (%)	74.9	75.4	73.0	72.0
ARR: Average room rate (AED)	442	439	397	368
Rev PAR: Revenue per available room (AED)	331	331	290	264

Source: Department of Culture and Tourism

2.9.2 Hotel Establishments Indicators by Type, 2017

Item	Hotel	Hotel Apartments	Total
Number of hotel establishments	115	47	162
Number of rooms	25,037	5,845	30,882
Number of guests (Thousand)	4,423	466	4,888
Number of guestnights (Thousand)	9,739	2,554	12,293
Average length of stay (nights)	2.2	5.5	2.5
Occupancy rate (%)	70.0	77.0	72.0
ARR: Average room rate (AED)	388	292	368
Rev PAR: Revenue per available room (AED)	273	225	264

Source: Department of Culture and Tourism

2.9.3 Hotel Establishments Indicators by Region, 2017

Item	Abu Dhabi Region	Al Ain Region	Al Dhafra Region	Total
Number of hotel establishments	131	20	11	162
Number of hotel rooms	27,117	2,562	1,203	30,882
Number of guests (Thousand)	4,306	451	131	4,888
Number of guest nights (Thousand)	11,114	860	319	12,293
Average length of stay (nights)	2.6	1.9	2.4	2.5
Occupancy rate (%)	74.0	59.0	46.0	72.0

Source: Department of Culture and Tourism

2.9.4 Guests of Hotel Establishments by Nationality

Nationality	2014	2015	2016	2017
Total	3,494,063	4,105,846	4,440,314	4,888,252
United Arab Emirates	1,152,085	1,379,589	1,462,015	1,499,220
Other GCC countries	240,478	269,654	291,368	284,681
Other Arab countries	389,479	439,174	524,646	538,307
Asia (except Arab)	723,291	879,425	1,051,732	1,243,047
Australia and Pacific	57,430	723,701	60,377	63,952
Africa (except Arab)	53,642	221,845	64,847	74,195
Europe	651,804	60,637	724,526	864,162
North and South America	185,023	64,956	210,236	258,638
Not Specified	40,831	66,865	50,567	62,050

Source: Department of Culture and Tourism

2.9.5 Guestnights of Hotel Establishments by Nationality

Nationality	2014	2015	2016	2017
Total	10,463,137	12,243,096	12,031,567	12,292,916
United Arab Emirates	2,639,751	3,788,032	3,228,614	3,105,373
Other GCC countries	529,196	593,752	651,778	600,855
Other Arab countries	1,020,839	1,135,386	1,322,513	1,340,158
Asia (except Arab)	2,166,878	2,331,090	2,544,572	2,593,556
Australia and Pacific	192,480	2,910,468	186,553	175,194
Africa (except Arab)	169,820	945,473	200,751	208,045
Europe	2,800,951	190,807	2,923,512	3,226,206
North and South America	842,171	195,248	867,996	906,744
Not Specified	101,051	152,840	105,278	136,785

Source: Department of Culture and Tourism

2.9.6 Guests of Hotel Establishments by Nationality and Classification, 2017

Nationality	5- stars	4- stars	3- stars or less	Hotel Apartments	Total
Total	2,014,245	1,576,966	831,537	465,504	4,888,252
United Arab Emirates	686,303	469,365	200,326	143,226	1,499,220
Other GCC countries	120,325	79,961	46,647	37,748	284,681
Other Arab countries	149,482	194,154	130,118	64,553	538,307
Asia (except Arab)	432,000	418,035	282,836	110,176	1,243,047
Australia and Pacific	27,253	19,265	11,978	5,456	63,952
Africa (except Arab)	19,082	25,163	19,859	10,091	74,195
Europe	444,162	263,015	95,821	61,164	864,162
North and South America	114,165	87,988	31,269	25,216	258,638
Not Specified	21,473	20,020	12,683	7,874	62,050

Source: Department of Culture and Tourism

* Includes: 3, 2 and 1 stars hotel establishments

2.9.7 Guestnights for Hotel Establishments by Nationality and Classification, 2017

Nationality	5- stars	4- stars	3- stars or less	Hotel Apartments	Total
Total	4,888,229	3,098,374	1,752,779	2,553,534	12,292,916
United Arab Emirates	1,368,044	828,325	403,505	505,499	3,105,373
Other GCC countries	266,044	154,216	81,711	98,884	600,855
Other Arab countries	326,192	384,503	281,494	347,969	1,340,158
Asia (except Arab)	705,908	706,991	528,409	652,248	2,593,556
Australia and Pacific	64,058	44,144	22,841	44,151	175,194
Africa (except Arab)	53,833	54,983	46,973	52,256	208,045
Europe	1,681,078	706,689	290,437	548,002	3,226,206
North and South America	360,896	198,171	75,892	271,785	906,744
Not Specified	62,176	20,352	21,517	32,740	136,785

Source: Department of Culture and Tourism

* Includes 3, 2 and 1 stars hotel establishments

2.9.8 Average Length of Stay for Hotel Establishments by Nationality

Nationality	2016	2017	Difference
Average	2.7	2.5	-7.2
United Arab Emirates	2.2	2.1	-6.2
Other GCC countries	2.2	2.1	-5.6
Other Arab countries	2.5	2.5	-1.2
Asia (except Arab)	2.4	2.1	-11.8
Australia and Pacific	3.1	2.7	-11.3
Africa (except Arab)	3.1	2.8	-9.4
Europe	4.1	3.7	-8.1
North and South America	4.1	3.5	-15.1
Not Specified	2.1	2.2	6.0

Source: Statistics Centre-Abu Dhabi, Department of Culture and Tourism

2.9.9 Occupancy Rate of Hotel Establishments by Month

Month	2014	2015	2016	2017
Average	74.9	75.4	73.0	72.0
January	76.9	76.6	76.9	75.5
February	81.0	81.6	77.4	77.1
March	79.9	79.9	82.7	75.9
April	79.1	77.8	77.1	75.9
May	74.1	74.7	75.0	65.0
June	69.7	64.3	54.2	52.3
July	55.4	63.6	64.7	62.7
August	70.4	71.0	70.2	65.0
September	72.7	74.5	70.1	69.4
October	78.0	80.9	72.5	78.1
November	84.2	82.7	79.8	82.8
December	78.2	76.9	74.8	78.7

Source: Department of Culture and Tourism

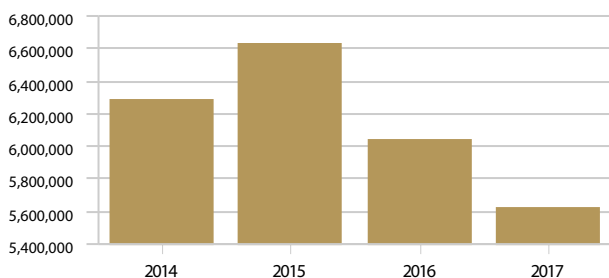
2.9.10 Total Revenue of Hotel Establishments

(Thousand AED)

Item	2014	2015	2016	2017
Total revenue	6,284,414	6,624,260	6,032,722	5,619,501
Room revenue	3,264,862	3,488,243	3,159,557	2,940,764
Food & beverage revenue	2,339,341	2,321,950	2,099,201	1,968,783
Other revenue	680,211	814,068	773,963	709,953

Source: Department of Culture and Tourism

Figure 2.9.1 Total Revenue of Hotel Establishments



Source: Department of Culture and Tourism





3. Population and Demography

- Population
- Births and Deaths
- Marriage and Divorce

3. Population and Demography

The population estimates describe the size, regional distribution and age and gender structure of the population of the Abu Dhabi Emirate for mid-year 2016. Statistics and corresponding key indicators on births, deaths, marriages and divorce describe the vital events affecting population change.

The resident population of the Abu Dhabi Emirate is 2,908,173 people in 2016. In mid-year 2016 the estimated population in Abu Dhabi Region was 1.8 million (62.1%), Al Ain Region 0.76 million (26.4%), and Al Gharbia 0.33 million (11.5%).

In Abu Dhabi, fertility is higher than most developed regions of the world, and mortality remains extremely low. In 2017, Crude Birth Rates and Crude Death Rates were 13.6 births and 1.2 deaths per 1000 population respectively.

Total Population (Mid-Year Estimate 2016)	2,908,173
Males(Mid-Year Estimate 2016)	1,857,618
Females(Mid-Year Estimate 2016)	1,050,555
Average Annual Population Growth Rate (2010- 2016) (%)	5.6
Age Dependency Ratio, 2016	21.3
Age Dependency Ratio, Old, 2016	1.1
Age Dependency Ratio, Young, 2016	20.1
General Fertility Rate (Births per 1000 Women Aged 15 - 49 Years), 2017	49.5
Crude Birth Rate (Births per 1000 Population), 2017	13.6
Crude Death Rate (Deaths per 1000 Population), 2017	1.2
Infant Mortality Rate (Deaths per 1000 Live Births), 2017	7.1
Under 5 Mortality Rate (Deaths per 1000), 2017	8.6
Life Expectancy at Birth for Male Citizens (Years), 2017	76.4
Life Expectancy at Birth for Female Citizens (Years), 2017	80.2
Median Age at First Marriage for Males (Years)	28.9
Median Age at First Marriage for Females (Years), 2017	25.7

3.1. Population

The population data in the Statistical Yearbook includes Census data up to 2005 and mid-year estimates of the usual resident population from 2005 . The population estimates include all persons who are usual residents, and also those temporary absent and Abu Dhabi Emirati citizens away from the Emirate.

In 1975, the total population of the Abu Dhabi Emirate was 211,812 people, according to the 1975 Census, and this figure increased to 1,399,484 people in the 2005 Census. In mid 2016 the population was estimated to be 2,908,173 persons.

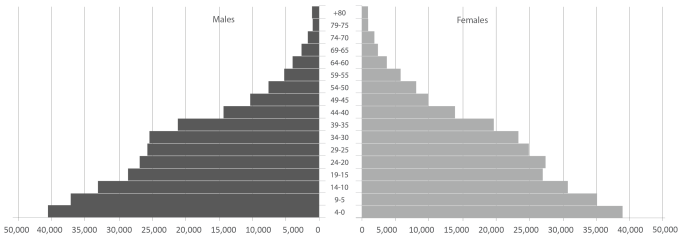
Of the total Abu Dhabi Emirate population, 551,535 (19.0%) are Emirati citizens. Of the citizens, 293,860 (53.3%) live in Abu Dhabi Region, and 226,285 (41.0%) in Al Ain Region, and 31,390 (5.7%) in Al Dhafra Region.

The non-citizen population comprise 81.0% of the total resident population. Of the non-citizens 1,513,376 (64.2%) live in Abu Dhabi Region.

More than 63.9% of the population of Abu Dhabi Emirate are males, due to an influx of male migrant workers.

The population density of Abu Dhabi Emirate in 2016 was 48.9 persons per square kilometre. The population density in Abu Dhabi Region, Al Ain Region and Al Dhafra Region were 164.2, 57.3 and 9.5 persons per square kilometre respectively. Al Dhafra Region is the most sparsely populated region in the Abu Dhabi Emirate but with a fast population growth.

Figure 3.1.1 Population Pyramid for Citizens, Mid 2016



Source: Statistics Center - Abu Dhabi

3.1.1 Population by Gender and Citizenship, Census Years

(Persons)

Census Year and Gender	Citizens	Non-Citizens	Total
1975	54,886	156,926	211,812
Males	29,238	125,820	155,058
Females	25,648	31,106	56,754
1980	90,792	361,056	451,848
Males	47,993	283,695	331,688
Females	42,799	77,361	120,160
1985	135,982	430,054	566,036
Males	69,975	310,278	380,253
Females	66,007	119,776	185,783
1995	222,627	719,836	942,463
Males	113,365	537,379	650,744
Females	109,262	182,457	291,719
2001	296,152	874,102	1,170,254
Males	148,982	640,844	789,826
Females	147,170	233,258	380,428
2005	350,277	1,049,207	1,399,484
Males	176,926	749,888	926,814
Females	173,351	299,319	472,670

Source: Department of Economic Development

3.1.2 Average Annual Population Growth Rates by Citizenship and Gender, Intercensal Periods

(%)

Citizenship and Gender	1975-1985	1985-1995	1995-2005	2005-2011
Grand Total	10.4	5.2	4.0	7.7
Males	9.4	5.5	3.6	9.0
Females	12.6	4.6	5.0	5.0
Citizens	9.5	5.1	4.6	4.1
Males	9.1	4.9	4.6	4.5
Females	9.9	5.2	4.7	3.7
Non-Citizens	10.6	5.3	3.8	8.8
Males	9.5	5.6	3.4	10
Females	14.5	4.3	5.1	5.7

Source: Statistics Centre - Abu Dhabi

3.1.3 Average Annual Population Growth Rates by Citizenship and Gender, Mid-year 2010 to 2016

Citizenship and Gender	Mid-year 2010	Mid-year 2016	Average annual growth rates
Grand Total	2,094,480	2,908,173	5.6
Males	1,460,794	1,857,618	4.1
Females	633,686	1,050,555	8.8
Citizens	437,483	551,535	3.9
Males	224,498	282,632	3.9
Females	212,985	268,903	4.0
Non-Citizens	1,656,997	2,356,638	6.0
Males	1,236,296	1,574,986	4.1
Females	420,701	781,652	10.9

Source: Statistics Centre - Abu Dhabi
 * Mid-year 2016 estimates is revised

3.1.4 Population Density by Region, 2010, 2014, 2015 and 2016

(Persons per Square Kilometre)

Region	2010	2014	2015	2016
Abu Dhabi Emirate	35.2	44.7	46.8	48.9
Abu Dhabi Region	115	148.9	156.3	164.2
Al Ain Region	43.8	52.6	55.2	57.3
Al Gharbia Region	6.9	8.9	9.3	9.5

Source: Statistics Centre - Abu Dhabi

3.1.5 Population Estimates by Region and Gender, Mid 2010 and Mid 2016

(Thousand Persons)

Region	Males	Females	Total
Abu Dhabi Emirate			
2010	1,461	633.7	2,095
2016	1,858	1,051	2,908
Abu Dhabi Region			
2010	871.5	394.6	1,266
2016	1,122	685.3	1,807
Al Ain Region			
2010	376.8	209.2	585.9
2016	451.8	315.2	766.9
Al Gharbia Region			
2010	212.5	30.0	242.4
2016	283.9	50.1	334.0

Source: Statistics Centre - Abu Dhabi
 All numbers are rounded to the nearest 1000 persons, therefore, numbers may not add to totals.

3.1.6 Population Estimates by Region, Citizenship and Gender, Mid-years 2010, 2014, 2015 and 2016

(Thousand Persons)

Region / Citizenship / Gender	2010	2014	2015	2016
Abu Dhabi Emirate	2,094	2,656	2,785	2,908
Abu Dhabi Region	1,266	1,640	1,720	1,807
Citizens	231.2	262.2	276.4	293.9
Males	118.7	133.4	140.2	147.7
Females	112.5	128.7	136.2	146.1
Non-Citizens	1,035	1,377	1,444	1,513
Males	752.8	929.1	961.7	974.3
Females	282	447.6	482.1	539.1
Al Ain Region	585.9	704.1	738.5	766.9
Citizens	179.5	215.8	230	226.3
Males	90.3	109.9	117.3	115.6
Females	89.2	105.8	112.7	110.7
Non-Citizens	406.4	488.3	508.5	540.7
Males	286.5	327.6	336.9	336.2
Females	120	160.7	171.6	204.5
Al Gharbia Region	242.4	313.5	325.8	334
Citizens	26.7	29.6	30.3	31.4
Males	15.5	17.8	18.5	19.3
Females	11.3	11.7	11.9	12
Non-Citizens	215.7	283.9	295.5	302.6
Males	197	248.2	257.2	264.6
Females	18.7	35.8	38.3	38.1

Source: Statistics Centre - Abu Dhabi

Resident mid-year population 2010 are final estimates and 2014 to 2016 are revised estimates.

3.1.7 Population Estimates by Age Group and Gender, Abu Dhabi Emirate, Mid 2016

(Persons)

Age Group	Males	Females	Total
Total	1,857,618	1,050,555	2,908,173
0-4	96,164	91,284	187,448
5-9	80,013	77,921	157,934
10-14	69,677	68,062	137,739
15-19	66,448	74,559	141,007
20-24	207,339	126,467	333,806
25-29	374,031	159,204	533,235
30-34	329,348	146,401	475,749
35-39	244,053	108,197	352,250
40-44	175,035	74,486	249,521
45-49	98,951	49,505	148,456
50-54	57,256	30,920	88,176
55-59	31,432	19,739	51,171
60-64	13,942	10,730	24,672
65-69	6,564	5,645	12,209
70-74	3,769	3,745	7,514
75-79	1,823	1,836	3,659
80+	1,773	1,854	3,627

Source: Statistics Centre - Abu Dhabi

3.1.8 Citizen Population Estimates by Age Group and Gender, Abu Dhabi Emirate, Mid 2016

(Persons)

Age Group	Males	Females	Total
Total	282,632	268,903	551,535
0-4	40,102	38,087	78,189
5-9	36,730	34,356	71,086
10-14	32,703	30,089	62,792
15-19	28,249	26,424	54,673
20-24	26,526	26,832	53,358
25-29	25,385	24,390	49,775
30-34	25,081	22,864	47,945
35-39	20,885	19,278	40,163
40-44	14,122	13,608	27,730
45-49	10,171	9,742	19,913
50-54	7,464	7,936	15,400
55-59	5,142	5,665	10,807
60-64	3,899	3,647	7,546
65-69	2,577	2,345	4,922
70-74	1,651	1,834	3,485
75-79	924	916	1,840
80+	1,021	890	1,911

Source: Statistics Centre - Abu Dhabi

3.1.9 Non-Citizen Population Estimates by Age Group and Gender, Abu Dhabi Emirate, Mid 2016

(Persons)

Age Group	Males	Females	Total
Total	1,574,986	781,652	2,356,638
0-4	56,062	53,197	109,259
5-9	43,283	43,565	86,848
10-14	36,974	37,973	74,947
15-19	38,199	48,135	86,334
20-24	180,813	99,635	280,448
25-29	348,646	134,814	483,460
30-34	304,267	123,537	427,804
35-39	223,168	88,919	312,087
40-44	160,913	60,878	221,791
45-49	88,780	39,763	128,543
50-54	49,792	22,984	72,776
55-59	26,290	14,074	40,364
60-64	10,043	7,083	17,126
65-69	3,987	3,300	7,287
70-74	2,118	1,911	4,029
75-79	899	920	1,819
80+	752	964	1,716

Source: Statistics Centre - Abu Dhabi

3.1.10 Population Estimates by Age Group and Gender, Abu Dhabi Region, Mid 2016

(Persons)

Age Group	Males	Females	Total
Total	1,121,963	685,273	1,807,236
0-4	59,790	54,692	114,482
5-9	48,160	46,969	95,129
10-14	41,134	40,230	81,364
15-19	35,827	43,048	78,875
20-24	120,127	80,545	200,672
25-29	234,140	108,410	342,550
30-34	209,817	101,908	311,725
35-39	150,012	74,061	224,073
40-44	104,774	51,170	155,944
45-49	55,350	34,378	89,728
50-54	29,419	20,712	50,131
55-59	16,768	13,652	30,420
60-64	8,027	7,429	15,456
65-69	3,919	3,597	7,516
70-74	2,421	2,355	4,776
75-79	1,178	1,134	2,312
80+	1,100	983	2,083

Source: Statistics Centre - Abu Dhabi

3.1.11 Citizen Population Estimates by Age Group and Gender, Abu Dhabi Region, Mid 2016.

(Persons)

Age Group	Males	Females	Total
Total	147,713	146,147	293,860
0-4	22,969	20,565	43,534
5-9	18,950	18,283	37,233
10-14	17,183	16,022	33,205
15-19	13,645	12,610	26,255
20-24	14,568	15,095	29,663
25-29	13,969	16,011	29,980
30-34	12,272	12,673	24,945
35-39	9,947	9,984	19,931
40-44	7,141	7,226	14,367
45-49	5,178	5,358	10,536
50-54	3,878	4,297	8,175
55-59	2,652	3,183	5,835
60-64	1,968	1,981	3,949
65-69	1,287	1,066	2,353
70-74	966	946	1,912
75-79	568	522	1,090
80+	572	325	897

Source: Statistics Centre - Abu Dhabi

3.1.12 Non-Citizen Population Estimates by Age Group and Gender, Abu Dhabi Region, Mid 2016

(Persons)

Age Group	Males	Females	Total
Total	974,250	539,126	1,513,376
0-4	36,821	34,127	70,948
5-9	29,210	28,686	57,896
10-14	23,951	24,208	48,159
15-19	22,182	30,438	52,620
20-24	105,559	65,450	171,009
25-29	220,171	92,399	312,570
30-34	197,545	89,235	286,780
35-39	140,065	64,077	204,142
40-44	97,633	43,944	141,577
45-49	50,172	29,020	79,192
50-54	25,541	16,415	41,956
55-59	14,116	10,469	24,585
60-64	6,059	5,448	11,507
65-69	2,632	2,531	5,163
70-74	1,455	1,409	2,864
75-79	610	612	1,222
80+	528	658	1,186

Source: Statistics Centre - Abu Dhabi

3.1.13 Population Estimates by Age Group and Gender, Abu Dhabi Region Urban, Mid 2016

(Persons)

Age Group	Males	Females	Total
Total	753,815	512,374	1,266,189
0-4	41,340	38,171	79,511
5-9	34,226	33,262	67,488
10-14	28,430	28,270	56,700
15-19	24,174	30,790	54,964
20-24	76,333	54,039	130,372
25-29	146,743	79,699	226,442
30-34	135,899	80,345	216,244
35-39	104,085	58,500	162,585
40-44	74,731	41,927	116,658
45-49	40,668	28,394	69,062
50-54	22,108	16,752	38,860
55-59	12,964	10,983	23,947
60-64	6,183	5,705	11,888
65-69	2,904	2,628	5,532
70-74	1,655	1,564	3,219
75-79	758	730	1,488
80+	614	615	1,229

Source: Statistics Centre - Abu Dhabi

3.1.14 Citizen Population Estimates by Age Group and Gender, Abu Dhabi Region Urban, Mid 2016

(Persons)

Age Group	Males	Females	Total
Total	70,864	69,026	139,890
0-4	10,470	9,433	19,903
5-9	8,978	8,506	17,484
10-14	7,696	7,278	14,974
15-19	5,683	5,932	11,615
20-24	6,392	6,962	13,354
25-29	6,650	7,116	13,766
30-34	6,437	6,589	13,026
35-39	6,002	5,528	11,530
40-44	4,311	3,791	8,102
45-49	2,823	2,559	5,382
50-54	1,984	1,850	3,834
55-59	1,289	1,374	2,663
60-64	825	832	1,657
65-69	482	448	930
70-74	381	443	824
75-79	245	242	487
80+	216	143	359

Source: Statistics Centre - Abu Dhabi

3.1.15 Non-Citizen Population Estimates by Age Group and Gender, Abu Dhabi Region Urban, Mid 2016

(Persons)

Age Group	Males	Females	Total
Total	682,951	443,348	1,126,299
0-4	30,870	28,738	59,608
5-9	25,248	24,756	50,004
10-14	20,734	20,992	41,726
15-19	18,491	24,858	43,349
20-24	69,941	47,077	117,018
25-29	140,093	72,583	212,676
30-34	129,462	73,756	203,218
35-39	98,083	52,972	151,055
40-44	70,420	38,136	108,556
45-49	37,845	25,835	63,680
50-54	20,124	14,902	35,026
55-59	11,675	9,609	21,284
60-64	5,358	4,873	10,231
65-69	2,422	2,180	4,602
70-74	1,274	1,121	2,395
75-79	513	488	1,001
80+	398	472	870

Source: Statistics Centre - Abu Dhabi

3.1.16 Population Estimates by Age Group and Gender, Abu Dhabi Region Rural, Mid 2016

(Persons)

Age Group	Males	Females	Total
Total	368,148	172,899	541,047
0-4	18,450	16,521	34,971
5-9	13,934	13,707	27,641
10-14	12,704	11,960	24,664
15-19	11,653	12,258	23,911
20-24	43,794	26,506	70,300
25-29	87,397	28,711	116,108
30-34	73,918	21,563	95,481
35-39	45,927	15,561	61,488
40-44	30,043	9,243	39,286
45-49	14,682	5,984	20,666
50-54	7,311	3,960	11,271
55-59	3,804	2,669	6,473
60-64	1,844	1,724	3,568
65-69	1,015	969	1,984
70-74	766	791	1,557
75-79	420	404	824
80+	486	368	854

Source: Statistics Centre - Abu Dhabi

3.1.17 Citizen Population Estimates by Age Group and Gender, Abu Dhabi Region Rural, Mid 2016

(Persons)

Age Group	Males	Females	Total
Total	76,849	77,121	153,970
0-4	12,499	11,132	23,631
5-9	9,972	9,777	19,749
10-14	9,487	8,744	18,231
15-19	7,962	6,678	14,640
20-24	8,176	8,133	16,309
25-29	7,319	8,895	16,214
30-34	5,835	6,084	11,919
35-39	3,945	4,456	8,401
40-44	2,830	3,435	6,265
45-49	2,355	2,799	5,154
50-54	1,894	2,447	4,341
55-59	1,363	1,809	3,172
60-64	1,143	1,149	2,292
65-69	805	618	1,423
70-74	585	503	1,088
75-79	323	280	603
80+	356	182	538

Source: Statistics Centre - Abu Dhabi

3.1.18 Non-Citizen Population Estimates by Age Group and Gender, Abu Dhabi Region Rural, Mid 2016

(Persons)

Age Group	Males	Females	Total
Total	291,299	95,778	387,077
0-4	5,951	5,389	11,340
5-9	3,962	3,930	7,892
10-14	3,217	3,216	6,433
15-19	3,691	5,580	9,271
20-24	35,618	18,373	53,991
25-29	80,078	19,816	99,894
30-34	68,083	15,479	83,562
35-39	41,982	11,105	53,087
40-44	27,213	5,808	33,021
45-49	12,327	3,185	15,512
50-54	5,417	1,513	6,930
55-59	2,441	860	3,301
60-64	701	575	1,276
65-69	210	351	561
70-74	181	288	469
75-79	97	124	221
80+	130	186	316

Source: Statistics Centre - Abu Dhabi

3.1.19 Population Estimates by Age Group and Gender, Al Ain Region, Mid 2016

(Persons)

Age Group	Males	Females	Total
Total	451,754	315,182	766,936
0-4	31,061	31,248	62,309
5-9	27,223	26,795	54,018
10-14	24,804	24,199	49,003
15-19	25,399	27,911	53,310
20-24	51,884	40,169	92,053
25-29	75,039	43,507	118,546
30-34	66,031	38,004	104,035
35-39	52,466	29,081	81,547
40-44	39,189	19,794	58,983
45-49	24,976	13,019	37,995
50-54	16,171	8,827	24,998
55-59	9,021	5,276	14,297
60-64	4,248	2,898	7,146
65-69	2,185	1,842	4,027
70-74	1,114	1,257	2,371
75-79	477	569	1,046
80+	466	786	1,252

Source: Statistics Centre - Abu Dhabi

3.1.20 Citizen Population Estimates by Age Group and Gender, Al Ain Region, Mid 2016

(Persons)

Age Group	Males	Females	Total
Total	115,574	110,711	226,285
0-4	15,242	15,759	31,001
5-9	15,696	14,446	30,142
10-14	14,020	12,735	26,755
15-19	13,394	12,773	26,167
20-24	10,148	10,648	20,796
25-29	8,733	7,045	15,778
30-34	10,038	9,110	19,148
35-39	8,802	8,563	17,365
40-44	5,905	5,856	11,761
45-49	4,334	4,014	8,348
50-54	3,040	3,305	6,345
55-59	2,083	2,221	4,304
60-64	1,711	1,443	3,154
65-69	1,202	1,167	2,369
70-74	643	821	1,464
75-79	262	304	566
80+	321	501	822

Source: Statistics Centre - Abu Dhabi

3.1.21 Non-Citizen Population Estimates by Age Group and Gender, Al Ain Region, Mid 2016

(Persons)

Age Group	Males	Females	Total
Total	336,180	204,471	540,651
0-4	15,819	15,489	31,308
5-9	11,527	12,349	23,876
10-14	10,784	11,464	22,248
15-19	12,005	15,138	27,143
20-24	41,736	29,521	71,257
25-29	66,306	36,462	102,768
30-34	55,993	28,894	84,887
35-39	43,664	20,518	64,182
40-44	33,284	13,938	47,222
45-49	20,642	9,005	29,647
50-54	13,131	5,522	18,653
55-59	6,938	3,055	9,993
60-64	2,537	1,455	3,992
65-69	983	675	1,658
70-74	471	436	907
75-79	215	265	480
80+	145	285	430

Source: Statistics Centre - Abu Dhabi

3.1.22 Population Estimates by Age Group and Gender, Al Ain Region Urban, Mid 2016

(Persons)

Age Group	Males	Females	Total
Total	292,303	226,969	519,272
0-4	21,978	22,078	44,056
5-9	18,539	18,717	37,256
10-14	16,851	16,534	33,385
15-19	16,748	18,522	35,270
20-24	31,695	26,622	58,317
25-29	47,068	31,721	78,789
30-34	41,565	28,773	70,338
35-39	33,213	22,700	55,913
40-44	24,779	15,396	40,175
45-49	16,559	10,143	26,702
50-54	11,161	6,640	17,801
55-59	6,323	4,014	10,337
60-64	2,973	2,129	5,102
65-69	1,470	1,287	2,757
70-74	769	834	1,603
75-79	337	381	718
80+	275	478	753

Source: Statistics Centre - Abu Dhabi

3.1.23 Citizen Population Estimates by Age Group and Gender, Al Ain Region Urban, Mid 2016

(Persons)

Age Group	Males	Females	Total
Total	66,916	65,047	131,963
0-4	8,838	9,185	18,023
5-9	8,881	8,404	17,285
10-14	7,897	7,079	14,976
15-19	7,542	7,001	14,543
20-24	5,698	6,037	11,735
25-29	5,002	4,138	9,140
30-34	6,069	5,764	11,833
35-39	5,646	5,623	11,269
40-44	3,671	3,618	7,289
45-49	2,593	2,364	4,957
50-54	1,691	1,860	3,551
55-59	1,089	1,324	2,413
60-64	921	895	1,816
65-69	648	745	1,393
70-74	375	523	898
75-79	163	175	338
80+	192	312	504

Source: Statistics Centre - Abu Dhabi

3.1.24 Non-Citizen Population Estimates by Age Group and Gender, Al Ain Region Urban, Mid 2016

(Persons)

Age Group	Males	Females	Total
Total	225,387	161,922	387,309
0-4	13,140	12,893	26,033
5-9	9,658	10,313	19,971
10-14	8,954	9,455	18,409
15-19	9,206	11,521	20,727
20-24	25,997	20,585	46,582
25-29	42,066	27,583	69,649
30-34	35,496	23,009	58,505
35-39	27,567	17,077	44,644
40-44	21,108	11,778	32,886
45-49	13,966	7,779	21,745
50-54	9,470	4,780	14,250
55-59	5,234	2,690	7,924
60-64	2,052	1,234	3,286
65-69	822	542	1,364
70-74	394	311	705
75-79	174	206	380
80+	83	166	249

Source: Statistics Centre - Abu Dhabi

3.1.25 Population Estimates by Age Group and Gender, Al Ain Region Rural, Mid 2016

(Persons)

Age Group	Males	Females	Total
Total	159,451	88,213	247,664
0-4	9,083	9,170	18,253
5-9	8,684	8,078	16,762
10-14	7,953	7,665	15,618
15-19	8,651	9,389	18,040
20-24	20,189	13,547	33,736
25-29	27,971	11,786	39,757
30-34	24,466	9,231	33,697
35-39	19,253	6,381	25,634
40-44	14,410	4,398	18,808
45-49	8,417	2,876	11,293
50-54	5,010	2,187	7,197
55-59	2,698	1,262	3,960
60-64	1,275	769	2,044
65-69	715	555	1,270
70-74	345	423	768
75-79	140	188	328
80+	191	308	499

Source: Statistics Centre - Abu Dhabi

3.1.26 Citizen Population Estimates by Age Group and Gender, Al Ain Region Rural, Mid 2016

(Persons)

Age Group	Males	Females	Total
Total	48,658	45,664	94,322
0-4	6,404	6,574	12,978
5-9	6,815	6,042	12,857
10-14	6,123	5,656	11,779
15-19	5,852	5,772	11,624
20-24	4,450	4,611	9,061
25-29	3,731	2,907	6,638
30-34	3,969	3,346	7,315
35-39	3,156	2,940	6,096
40-44	2,234	2,238	4,472
45-49	1,741	1,650	3,391
50-54	1,349	1,445	2,794
55-59	994	897	1,891
60-64	790	548	1,338
65-69	554	422	976
70-74	268	298	566
75-79	99	129	228
80+	129	189	318

Source: Statistics Centre - Abu Dhabi

3.1.27 Non-Citizen Population Estimates by Age Group and Gender, Al Ain Region Rural, Mid 2016

(Persons)

Age Group	Males	Females	Total
Total	110,793	42,549	153,342
0-4	2,679	2,596	5,275
5-9	1,869	2,036	3,905
10-14	1,830	2,009	3,839
15-19	2,799	3,617	6,416
20-24	15,739	8,936	24,675
25-29	24,240	8,879	33,119
30-34	20,497	5,885	26,382
35-39	16,097	3,441	19,538
40-44	12,176	2,160	14,336
45-49	6,676	1,226	7,902
50-54	3,661	742	4,403
55-59	1,704	365	2,069
60-64	485	221	706
65-69	161	133	294
70-74	77	125	202
75-79	41	59	100
80+	62	119	181

Source: Statistics Centre - Abu Dhabi

3.1.28 Population Estimates by Age Group and Gender, Al Dhafra Region, Mid 2016

(Persons)

Age Group	Males	Females	Total
Total	283,901	50,100	334,001
0-4	5,313	5,344	10,657
5-9	4,630	4,157	8,787
10-14	3,739	3,633	7,372
15-19	5,222	3,600	8,822
20-24	35,328	5,753	41,081
25-29	64,852	7,287	72,139
30-34	53,500	6,489	59,989
35-39	41,575	5,055	46,630
40-44	31,072	3,522	34,594
45-49	18,625	2,108	20,733
50-54	11,666	1,381	13,047
55-59	5,643	811	6,454
60-64	1,667	403	2,070
65-69	460	206	666
70-74	234	133	367
75-79	168	133	301
80+	207	85	292

Source: Statistics Centre - Abu Dhabi

3.1.29 Citizen Population Estimates by Age Group and Gender, Al Dhafra Region, Mid 2016

(Persons)

Age Group	Males	Females	Total
Total	19,345	12,045	31,390
0-4	1,891	1,763	3,654
5-9	2,084	1,627	3,711
10-14	1,500	1,332	2,832
15-19	1,210	1,041	2,251
20-24	1,810	1,089	2,899
25-29	2,683	1,334	4,017
30-34	2,771	1,081	3,852
35-39	2,136	731	2,867
40-44	1,076	526	1,602
45-49	659	370	1,029
50-54	546	334	880
55-59	407	261	668
60-64	220	223	443
65-69	88	112	200
70-74	42	67	109
75-79	94	90	184
80+	128	64	192

Source: Statistics Centre - Abu Dhabi

3.1.30 Non-Citizen Population Estimates by Age Group and Gender, Al Dhafra Region, Mid 2016

(Persons)

Age Group	Males	Females	Total
Total	264,556	38,055	302,611
0-4	3,422	3,581	7,003
5-9	2,546	2,530	5,076
10-14	2,239	2,301	4,540
15-19	4,012	2,559	6,571
20-24	33,518	4,664	38,182
25-29	62,169	5,953	68,122
30-34	50,729	5,408	56,137
35-39	39,439	4,324	43,763
40-44	29,996	2,996	32,992
45-49	17,966	1,738	19,704
50-54	11,120	1,047	12,167
55-59	5,236	550	5,786
60-64	1,447	180	1,627
65-69	372	94	466
70-74	192	66	258
75-79	74	43	117
80+	79	21	100

Source: Statistics Centre - Abu Dhabi

3.1.31 Age Dependency Ratio by Type, Citizenship and Region, Mid 2016

(Average Number of Dependants per Adult Person age 15 to 64 years)

Type and Citizenship	Abu Dhabi Region	Al Ain Region	Al Dhafra	Abu Dhabi Emirate
Age Dependency Ratio				
Total	20.5	29.4	9.3	21.3
Citizens	69.2	69.9	53.1	68.5
Non-Citizens	14.1	17.6	6.2	13.8
Old Age Dependency Ratio (aged 65+)				
Total	1.1	1.5	0.5	1.1
Citizens	3.6	3.9	3.3	3.7
Non-Citizens	0.8	0.8	0.3	0.7
Young Age Dependency Ratio (aged 0-14)				
Total	19.4	27.9	8.8	20.1
Citizens	65.6	66	49.7	64.8
Non-Citizens	13.3	16.8	5.8	13.1

Source: Statistics Centre - Abu Dhabi

3.1.32 Sex Ratio by Citizenship and Region, Mid 2016

(Males per 100 Females)

Citizenship	Abu Dhabi Region	Al Ain Region	Al Dhafra Region	Abu Dhabi Emirate
Total	163.7	143.3	566.7	176.8
Citizens	101.1	104.4	160.6	105.1
Non-Citizens	180.7	164.4	695.2	201.5

Source: Statistics Centre - Abu Dhabi

3.1.33 Sex Ratio by Citizenship, 2010, 2014, 2015 and 2016

(Males per 100 Females)

Citizenship	2010	2014	2015	2016
Total	230.5	198.4	192.3	176.8
Citizens	105.4	106.1	105.8	105.1
Non-Citizens	293.9	233.7	224.8	201.5

Source: Statistics Centre - Abu Dhabi

3.1.34 Percentage Distribution of Population by Citizenship, Gender and Wide Age Group, Mid 2016

(%)

Citizenship / Gender	0-14	15-64	65+
Grand Total	16.6	82.5	0.9
Males	13.2	86	0.7
Females	22.6	76.2	1.2
Citizens	38.5	59.3	2.2
Males	38.8	59.1	2.2
Females	38.1	59.6	2.2
Non-Citizens	11.5	87.9	0.6
Males	8.7	90.9	0.5
Females	17.2	81.9	0.9

Source: Statistics Centre - Abu Dhabi

Totals for Rows may not add due to rounding

3.2. Vital Statistics

Births and Deaths

Births are measured as live births by place of registration. The data is sourced from the hospital birth notifications statistics collected by Department of Health - Abu Dhabi.

Deaths are measured by place of registration of the deceased person. Data on deaths are also sourced from Department of Health - Abu Dhabi.

The number of births in the Abu Dhabi Emirate in 2017 was 39,222, comprising 20,036 males and 19,186 females.

The 2017 Crude Birth Rates were for citizens 29.6, non-citizens 9.4 and the population as a whole 13.6 births per 1,000 population respectively.

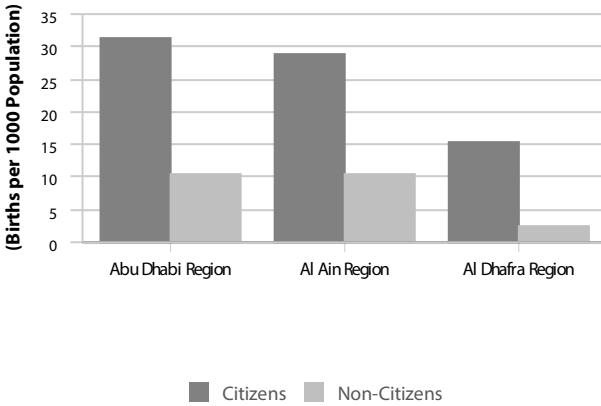
The number of deaths during the same year was 3,462 including 2,344 males and 1,069 females. The 2017 Crude Death Rates for citizens, non-citizens and the population as a whole were 2.1, 0.9 and 1.2 deaths per 1,000 population respectively. Infants, under one year old, and children, under five years old, normally have higher mortality rates than other young people.

The 2017 Infant Mortality Rates for citizens, non-citizens and the population as a whole were 8.0, 6.3 and 7.0 infant deaths per 1,000 live births respectively. The corresponding child mortality rates (under 5 years) in 2017 were 9.4, 7.8 and 8.5 child deaths per 1,000 live births respectively.

Life expectancy at birth represents the number of years that a baby could expect to live, assuming current age-specific death rates were experienced. In 2017, life expectancy at birth for Abu Dhabi Emirate was 76.4 years for male citizens, and 80.2 years for female citizens. The proportion of births likely to survive to an age of 65 years were 86.7% and 92.4% for male and female citizens respectively.

The proportion of individuals likely to survive from 15 to 60 years of age among male and female citizens were 91.7% and 96.4% respectively.

Figure 3.2.1 Crude Birth Rate by Citizenship and Region, 2017



Source: Statistics Centre - Abu Dhabi

3.2.1 Sex Ratio at Birth by Citizenship, Abu Dhabi Emirate

(Males per 100 Females)

Citizenship	2010	2015	2016	2017
Total	104.4	105.7	104.1	104.4
Citizens	102.3	104.7	105.3	105.0
Non-Citizens	106.1	106.4	103.3	103.9

Source: Statistics Centre - Abu Dhabi

Based on Department of Health - Abu Dhabi preliminary data, May 2018

3.2.2 Sex Ratio at Birth by Citizenship and Region, 2017

(Males per 100 Females)

Citizenship	Abu Dhabi Region	Al Ain Region	Al Dhafra Region	Abu Dhabi Emirate
Total	104.0	105.7	101.1	104.4
Citizens	105.1	105.2	102.5	105.0
Non-Citizens	103.2	106.7	100.0	103.9

Source: Statistics Centre - Abu Dhabi

Based on Department of Health - Abu Dhabi preliminary data, May 2018

3.2.3 Births by Citizenship, Region and Gender, 2017

(Births)

Citizenship, Region and Gender	Males	Females	Total
Grand Total	20,036	19,186	39,222
Abu Dhabi Region	12,871	12,376	25,247
Al Ain Region	6,469	6,119	12,588
Al Dhafra Region	624	617	1,241
Abroad & Not Stated	72	74	146
Citizens	8,673	8,259	16,932
Abu Dhabi Region	4,863	4,625	9,488
Al Ain Region	3,490	3,317	6,807
Al Dhafra Region	249	243	492
Abroad & Not Stated	71	74	145
Non-Citizens	11,170	10,746	21,916
Abu Dhabi Region	7,866	7,625	15,491
Al Ain Region	2,932	2,749	5,681
Al Dhafra Region	372	372	744
Not Stated	193	181	374
Abu Dhabi Region	142	126	268
Al Ain Region	47	53	100
Al Dhafra Region	3	2	5
Abroad & Not Stated	1	0	1

Source: Department of Health - Abu Dhabi

Based on Department of Health - Abu Dhabi preliminary data, May 2018

3.2.4 Crude Birth Rate by Citizenship, Abu Dhabi Emirate

(Births per 1000 Population)

Citizenship	2010	2015	2016	2017
Total	14.1	13.9	13.7	13.6
Citizens	31.2	30.6	30.3	29.6
Non-Citizens	9.6	10.0	9.7	9.4

Source: Statistics Centre - Abu Dhabi

Based on Department of Health - Abu Dhabi preliminary data, May 2018

3.2.5 Crude Birth Rate by Citizenship and Region, 2017

(Births per 1000 Population)

Citizenship	Abu Dhabi Region	Al Ain Region	Al Dhafra Region	Abu Dhabi Emirate
Total	14.0	16.2	3.9	13.6
Citizens	31.2	28.9	15.3	29.6
Non-Citizens	10.4	10.5	2.6	9.4

Source: Statistics Centre - Abu Dhabi

Based on Department of Health - Abu Dhabi preliminary data, May 2018

3.2.6 General Fertility Rate by Citizenship and Region, 2017

(Births per 1000 Female Population 15-49 Years)

Citizenship	Abu Dhabi Region	Al Ain Region	Al Dhafra Region	Abu Dhabi Emirate
Total	47.1	55.5	34.1	49.5
Citizens	115.5	112.4	79.8	113.7
Non Citizens	34.5	34.5	24.7	34.1

Source: Statistics Centre - Abu Dhabi

Based on Department of Health - Abu Dhabi preliminary data, May 2018

3.2.7 Total Fertility Rate by Citizenship and Region, 2017

(Children per Woman)

Citizenship	Abu Dhabi Region	Al Ain Region	Al Dhafra Region	Abu Dhabi Emirate
Total	1.3	1.6	1.0	1.4
Citizens	3.6	4.0	2.5	3.7
Non Citizens	0.9	1.0	0.7	0.9

Source: Statistics Centre - Abu Dhabi

Based on Department of Health - Abu Dhabi preliminary data, May 2018

3.2.8 Age Specific Fertility Rates by Age Group and Region, 2017

(Births per 1000 Female Population age 15-49)

Age Group	Abu Dhabi Region	Al Ain Region	Al Dhafra Region	Abu Dhabi Emirate
15-19	8.3	7.0	5.8	7.7
20-24	39.6	46.9	36.8	42.1
25-29	65.5	79.7	45.9	68.7
30-34	72.8	92.4	51.6	77.0
35-39	51.7	70.1	40.0	56.2
40-44	19.4	28.6	12.1	21.6
45-49	2.3	4.1	1.8	2.8

Source: Statistics Centre - Abu Dhabi

Based on Department of Health - Abu Dhabi preliminary data, May 2018

3.2.9 Deaths by Citizenship, Region and Gender, 2017

(Deaths)

Citizenship, Region and Gender	Males	Females	Total
Grand Total	2,344	1,069	3,462
Abu Dhabi Region	1,464	620	2,130
Al Ain Region	715	398	1,115
Al Dhafra Region	106	19	125
Abroad & Not Stated	59	32	92
Citizens	747	465	1,218
Abu Dhabi Region	430	255	691
Al Ain Region	242	171	419
Al Dhafra Region	24	13	37
Abroad & Not Stated	51	26	71
Non-Citizens	1,597	604	2,244
Abu Dhabi Region	1,034	365	1,439
Al Ain Region	473	227	696
Al Dhafra Region	82	6	88
Abroad & Not Stated	8	6	21

Source: Department of Health - Abu Dhabi

Based on Department of Health - Abu Dhabi preliminary data, May 2018,*There are 49 cases not stated Gender.

3.2.10 Crude Death Rate by Citizenship and Gender, Abu Dhabi Emirate

(Deaths per 1000 Population)

Citizenship and Gender	2010	2015	2016	2017
Grand Total	1.4	1.1	1.1	1.2
Males	1.4	1.2	1.2	1.3
Females	1.3	1.0	1.0	1.0
Citizens	2.2	2.1	2.0	2.1
Males	2.5	2.5	2.4	2.6
Females	1.8	1.6	1.6	1.7
Non-Citizens	1.1	0.9	0.9	0.9
Males	1.2	1.0	1.0	1.1
Females	1.0	0.8	0.7	0.7

Source: Statistics Centre - Abu Dhabi

Based on Department of Health - Abu Dhabi preliminary data, May 2018

3.2.11 Crude Death Rate by Citizenship, Gender and Region, 2017

(Deaths per 1000 Population)

Citizenship and Gender	Abu Dhabi Region	Al Ain Region	Al Dhafra Region	Abu Dhabi Emirate
Grand Total	1.2	1.4	0.4	1.2
Males	1.4	1.6	0.4	1.3
Females	0.9	1.2	0.4	1.0
Citizens	2.3	1.8	1.1	2.1
Males	2.8	2.0	1.2	2.6
Females	1.7	1.5	1.1	1.7
Non-Citizens	0.9	1.3	0.3	0.9
Males	1.1	1.5	0.3	1.1
Females	0.6	1.1	0.1	0.7

Source: Statistics Centre - Abu Dhabi

Based on Department of Health - Abu Dhabi preliminary data, May 2018

3.2.12 Age Specific Death Rate by Age Group and Gender, 2017

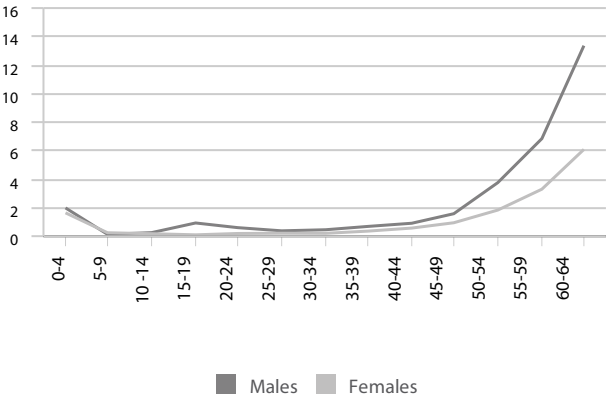
(Deaths per 1000 Population)

Age Group	Males	Females	Total
Total	1.3	1.0	1.2
0-4	2.0	1.6	1.8
5-9	0.1	0.2	0.2
10-14	0.2	0.2	0.2
15-19	0.9	0.1	0.5
20-24	0.6	0.2	0.4
25-29	0.4	0.2	0.3
30-34	0.5	0.2	0.4
35-39	0.7	0.4	0.6
40-44	0.9	0.6	0.8
45-49	1.6	0.9	1.4
50-54	3.8	1.8	3.1
55-59	6.8	3.3	5.4
60-64	13.4	6.1	10.0
65-69	20.6	10.3	15.5
70-74	40.2	24.1	32.1
75-79	60.3	47.6	53.6
80+	133.4	109.6	121.0

Source: Statistics Centre - Abu Dhabi

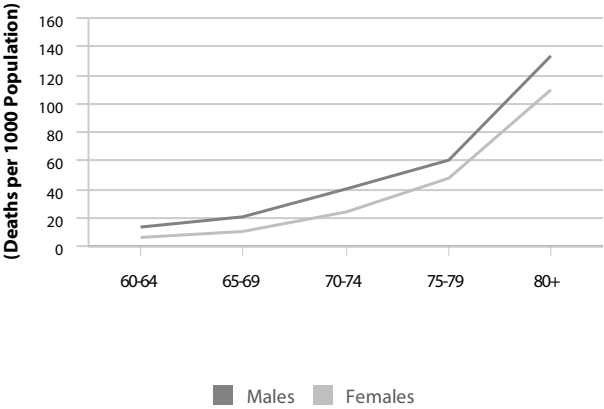
Based on Department of Health - Abu Dhabi preliminary data, May 2018

Figure 3.2.2 Age Specific Deaths Rate (Deaths per 1000 Population) for 0 to 64 Years by Gender, 2017



Source: Statistics Centre - Abu Dhabi

Figure 3.2.3 Age Specific Deaths Rate for 65 Years and Older by Gender, 2017



Source: Statistics Centre - Abu Dhabi

3.2.13 Deaths by Region, Citizenship, Gender and Age at Death, 2017

(Deaths)

Region, Citizenship and Gender	Deaths	Neonatal Deaths	Infant Deaths	Child Deaths
	(All Ages)	(Below 1 Month)	(Under 1 Year)	(1-4 Years)
Abu Dhabi Emirate	3,462	203	267	59
Abu Dhabi Region	2,130	127	170	35
Al Ain Region	1,115	71	98	21
Al Dhafra Region	125	3	4	1
Abroad & Not Stated	92	2	4	2
Citizenship				
Citizens	1,219	104	136	24
Non-Citizens	2,203	98	139	32
Gender				
Males	2,344	115	152	32
Females	1,069	83	119	23
Not Stated	49	5	5	4

Source: Department of Health - Abu Dhabi

* There are 92 cases not stated region or died abroad

Based on Department of Health - Abu Dhabi preliminary data, May 2018

3.2.14 Infant Mortality Rate (Under 1 Year) by Citizenship, Gender and Region, 2017

(Deaths per 1000 Live Births)

Citizenship and Gender	Abu Dhabi Region	Al Ain Region	Al Dhafra Region*	Abu Dhabi Emirate
Grand Total	6.7	7.8		7.0
Males	7.8	7.6		7.6
Females	5.5	7.7		6.2
Citizens	7.6	8.4		8.0
Males	9.0	8.9		9.0
Females	6.1	7.2		6.7
Non-Citizen	6.3	7.2		6.3
Males	7.1	6.1		6.6
Females	5.2	8.4		6.0

Source: Statistics Centre - Abu Dhabi

* Specific values for Al Dhafra Region Region are excluded due to technical issues, however are included in totals.

Based on Department of Health - Abu Dhabi preliminary data, May 2018

3.2.15 Child Mortality Rate (Under 5 Years) by Citizenship, Gender and Region, 2017

(Deaths per 1000 Live Births)

Citizenship and Gender	Abu Dhabi Region	Al Ain Region	Al Dhafra Region*	Abu Dhabi Emirate
Grand Total	8.1	9.5		8.5
Males	9.0	9.7		9.2
Females	6.7	8.8		7.4
Citizens	8.9	9.7		9.4
Males	9.9	10.6		10.4
Females	7.6	8.1		8.4
Non-Citizens	7.6	9.3		7.8
Males	8.6	8.9		8.0
Females	6.3	9.8		7.1

Source: Statistics Centre - Abu Dhabi

* Specific values for Al Dhafra Region are excluded due to technical issues, however are included in totals. Based on Department of Health - Abu Dhabi preliminary data, May 2018

3.2.16 Rate of Natural Increase by Citizenship and Region, 2017

(Per 100 Population)

Citizenship	Abu Dhabi Region	Al Ain Region	Al Dhafra Region	Abu Dhabi Emirate
Total	1.3	1.5	0.3	1.2
Citizens	2.9	2.7	1.4	2.7
Non-Citizens	0.9	0.9	0.2	0.8

Source: Statistics Centre - Abu Dhabi

Based on Department of Health - Abu Dhabi preliminary data, May 2018

3.2.17 Life Expectancy at Birth for Citizens by Gender

(Years)

Year	2014	2015	2016	2017
Citizens	77.5	77.0	77.3	78.2
Males	76.5	76.0	75.9	76.4
Females	80.1	79.8	79.5	80.2

Source: Statistics Centre - Abu Dhabi

Based on life table calculated with 5-year averages using the Lee-Carter Method and primary data from Department of Health - Abu Dhabi

3.2.18 Births Surviving to Age 65 Years for Citizens by Gender

(%)

Year	2014	2015	2016	2017
Citizens	87.4	87.9	88.3	89.1
Males	84.9	85.3	85.8	86.7
Females	90.4	91.0	91.3	92.4

Source: Statistics Centre - Abu Dhabi

Based on life table calculated with 5-year averages using the Lee-Carter Method and primary data from Department of Health - Abu Dhabi

3.2.19 Individuals Aged 15 Who Will Survive to Age 60 Years for Citizens by Gender

(%)

Year	2014	2015	2016	2017
Citizens	92.7	92.8	93.1	93.6
Males	90.8	90.8	91.1	91.7
Females	94.8	95.1	95.3	96.4

Source: Statistics Centre - Abu Dhabi

Based on life table calculated with 5-year averages using the Lee-Carter Method and primary data from Department of Health - Abu Dhabi

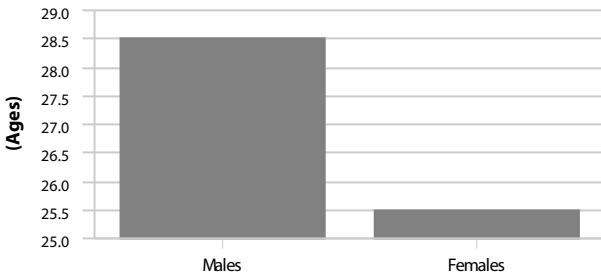
Marriage and Divorce

Marriages are measured as the number of registered marriage contracts. According to Emirate of Abu Dhabi - Judicial Department statistics there were 5,703 new marriage contracts registered in 2017 and 3,254 of these marriages the wife was an Emirati citizen.

The median age at marriage for Abu Dhabi Emirate in 2017 was 28.9 years for males and 25.7 years for females.

Divorces are measured as the number of marriage dissolutions granted by Emirate of Abu Dhabi - Judicial Department. The number of divorces during 2017 was 1,859 of which 981 divorces involved female Emirati citizens.

Figure 3.2.4 Median Age at Marriage for Citizens by Gender, 2017



Source: Statistics Centre - Abu Dhabi

3.2.20 Registered Marriages by Region, Citizenship and Gender

(Marriage Contracts)

Region, Citizenship and Gender	2014	2015	2016	2017
Abu Dhabi Emirate	6,442	6,037	5,892	5,703
Citizens				
Males	3,910	3,789	3,698	3,718
Females	3,549	3,403	3,327	3,254
Non-Citizens				
Males	2,532	2,248	2,194	1,985
Females	2,893	2,634	2,565	2,449
Abu Dhabi Region	3,671	3,557	3,410	3,349
Citizens				
Males	1,949	1,973	1,906	1,944
Females	1,751	1,712	1,668	1,628
Non-Citizens				
Males	1,722	1,584	1,504	1,405
Females	1,920	1,845	1,742	1,721
Al Ain Region	2,498	2,273	2,299	2,138
Citizens				
Males	1,736	1,631	1,653	1,589
Females	1,592	1,525	1,519	1,456
Non-Citizens				
Males	762	642	646	549
Females	906	748	780	682
Al Dhafra Region	273	207	183	216
Citizens				
Males	225	185	139	185
Females	206	166	140	170
Non-Citizens				
Males	48	22	44	31
Females	67	41	43	46

Source: Emirate of Abu Dhabi - Judicial Department

Based on Judicial department - Abu Dhabi preliminary data, May 2018

3.2.21 Median Age at Marriage by Citizenship, Gender and Region, 2017

(Years)

Citizenship and Gender	Abu Dhabi Region	Al Ain Region	Al Dhafra Region	Abu Dhabi Emirate
Grand Total				
Males	29.7	27.5	27.1	28.9
Females	26.5	24.5	23.1	25.7
Citizens				
Males	28.1	26.8	26.6	27.4
Females	24.9	23.6	23.2	24.2
Non-Citizens				
Males	31.8	30.5	29.1	31.3
Females	28.1	26.3	22.3	27.6

Source: Statistics Centre - Abu Dhabi

Based on Judicial department - Abu Dhabi preliminary data, May 2018

3.2.22 Crude Marriage Rate by Citizenship, Gender and Region, 2017

(Per 1000 Population)

Citizenship and Gender	Abu Dhabi Region	Al Ain Region	Al Dhafra Region	Abu Dhabi Emirate
Male Citizens	12.7	13.3	9.2	12.7
Female Citizens	10.8	12.5	13.9	11.6
Male Non-Citizens	1.5	1.7	0.1	1.3
Female Non-Citizens	3.1	3.2	1.1	3.0

Source: Statistics Centre - Abu Dhabi

Based on Judicial department - Abu Dhabi preliminary data, May 2018

3.2.23 General Marriage Rates by Citizenship, Gender and Region, 2017

(Per 1000 Population 15 Years and older)

Citizenship and Gender	Abu Dhabi Region	Al Ain Region	Al Dhafra Region	Abu Dhabi Emirate
Male Citizens	21.0	21.9	12.7	20.7
Female Citizens	17.0	20.5	23.0	18.7
Male Non-Citizens	1.7	1.9	0.1	1.4
Female Non-Citizens	3.5	3.9	1.4	3.5

Source: Statistics Centre - Abu Dhabi

Based on Judicial department - Abu Dhabi preliminary data, May 2018

3.2.24 Refined Marriage Rates by Citizenship, Gender and Region, 2017

(Per 1000 unmarried Population 15 Years and older)

Citizenship and Gender	Abu Dhabi Region	Al Ain Region	Al Dhafra Region	Abu Dhabi Emirate
Male Citizens	53.3	55.9	44.0	53.8
Female Citizens	39.7	44.8	60.1	42.6
Male Non-Citizens	5.1	5.7	0.4	4.5
Female Non-Citizens	9.6	9.1	4.1	9.2

Source: Statistics Centre - Abu Dhabi

Based on Judicial department - Abu Dhabi preliminary data, May 2018

3.2.25 Registered Divorces by Region, Citizenship and Gender

(Registered Divorces)

Region, Citizenship and Gender	2014	2015	2016	2017
Abu Dhabi Emirate	1,872	1,813	1,922	1,859
Citizens				
Males	1,201	1,090	1,200	1,228
Females	900	865	978	981
Non-Citizens				
Males	671	723	722	631
Females	972	948	944	878
Abu Dhabi Region	1,228	1,205	1,276	1,243
Citizens				
Males	744	679	733	781
Females	548	534	603	617
Non-Citizens				
Males	484	526	543	462
Females	680	671	673	626
Al Ain Region	578	545	579	560
Citizens				
Males	414	359	413	402
Females	317	291	331	332
Non-Citizens				
Males	164	186	166	158
Females	261	254	248	228
Al Dhafra Region	66	63	67	56
Citizens				
Males	43	52	54	45
Females	35	39	44	32
Non-Citizens				
Males	23	11	13	11
Females	31	24	23	24

Source: Emirate of Abu Dhabi - Judicial Department

Based on Judicial department - Abu Dhabi preliminary data, May 2018

3.2.26 Crude Divorce Rate by Citizenship, Gender and Region, 2017

(Per 1000 Population)

Citizenship and Gender	Abu Dhabi Region	Al Ain Region	Al Dhafra Region	Abu Dhabi Emirate
Male Citizens	5.1	3.4	2.2	4.2
Female Citizens	4.1	2.9	2.6	3.5
Male Non-Citizens	0.5	0.5	0.0	0.4
Female Non-Citizens	1.1	1.1	0.6	1.1

Source: Statistics Centre - Abu Dhabi

Based on Judicial department - Abu Dhabi preliminary data, May 2018

3.2.27 General Divorce Rate by Citizenship, Gender and Region, 2017

(Per 1000 Population 15 Years and older)

Citizenship and Gender	Abu Dhabi Region	Al Ain Region	Al Dhafra Region	Abu Dhabi Emirate
Male Citizens	8.4	5.6	3.1	6.8
Female Citizens	6.5	4.7	4.3	5.6
Male Non-Citizens	0.5	0.5	0.0	0.5
Female Non-Citizens	1.3	1.3	0.7	1.3

Source: Source : Statistics Centre - Abu Dhabi

Based on Judicial department - Abu Dhabi preliminary data, May 2018

3.2.28 Refined Divorce Rate by Citizenship, Gender and Region, 2017

(Per 1000 married Population 15 Years and older)

Citizenship and Gender	Abu Dhabi Region	Al Ain Region	Al Dhafra Region	Abu Dhabi Emirate
Male Citizens	13.9	9.1	4.4	11.1
Female Citizens	11.3	8.6	7.0	10.0
Male Non-Citizens	0.8	0.8	0.1	0.7
Female Non-Citizens	2.0	2.2	1.1	2.0

Source: Statistics Centre - Abu Dhabi

Based on Judicial department - Abu Dhabi preliminary data, May 2018





4. Social

- Education
- Health
- Social Welfare
- Culture and Heritage

4. Social

Social development represents a significant objective and driving motivation behind policies and initiatives pursued by Abu Dhabi government. Key elements of the Emirate's vision for the social development describe a society characterized by the provision of world-class healthcare, education and other services that lead to a safe and secure society and the preservation of cultural heritage of Abu Dhabi, where individuals are valued and their unique skills and contributions are ethically leveraged toward achieving a better quality of life for all.

This chapter provides a range of statistics that demonstrate progress towards positive outcomes in education, health, social welfare and culture and heritage.

2017	Schools	441
	Pupils	373,586
	Pupils per Teacher	13.9
	Hospital	60
	Physicians per 1000 populations	3.3
	Visitors of Museums	505,345
	Benefits of Social Aid Paid (million AED)	884.6

4.1. Education

Abu Dhabi has had remarkable achievements in the education sector, and has spared no effort in its endeavour to ensure the availability of high quality educational infrastructure of schools, adult education centres, colleges, institutes and universities and qualified teachers in the government and private sectors.

This section provides detailed statistics on education for the academic year 2016-17. The total number of schools in Abu Dhabi Emirate was 441 of which 250 were government schools and 191 were private schools, comprising 16,712 classrooms. In these schools there were 373,586 pupils, 26,953 teachers and 12,145 administrators. The number of pupils per teacher was 13.9 and the number of pupils per classroom was 22.4.

In the school year in 2016-17, 35.4% of pupils were enrolled in government education, while 64.6% of them were enrolled in private education, up from 58.9% in 2010-11. The number of female pupils per 100 male pupils in all education stages for the Abu Dhabi Emirate was 96.2.

The number of Emirati pupils enrolled up to the secondary stage was 165,631, representing 44.3% of all pupils. The school gross enrolment ratio for 2016-17 was 98.8% in the first education cycle, 92.9% in the second cycle and 75.4% in secondary Stage.

Progression ratios to secondary school were 96.1% for both genders (95.4% for males and 96.7% for females). 21,360 students progressed to secondary school in 2016-17, up 7.6% compared with the previous year.

There were 8,052 students enrolled in literacy and adult education centres and home schooling, of which 70.6% were citizens. This type of education employed 229 teachers, including 148 citizens.

Total enrolments in higher education were 52,035 in the academic year 2015-16, of which 73.1% were citizens. 8,082 students graduated from higher education, of whom 65.3% were graduates from the government universities and institutions, and 60.5% were citizen graduates.

2017

Government Education

Schools	250
Classrooms	5,707
Pupils	132098
Teachers	11,430
Administrators	3,973

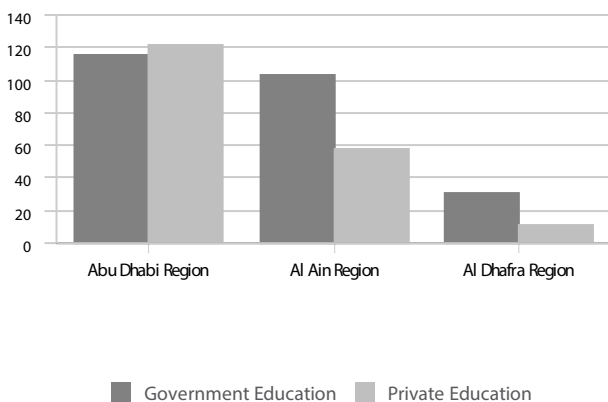
Private Education

Schools	191
Classrooms	11,005
Pupils	241,488
Teachers	15,523
Administrators	8,172

Total Education

Pupils per teacher	13.9
Pupils per classroom	22.4
Gross Enrollment ratio, first cycle (5 years primary education stage)	98.8

Figure 4.1.1 Number of Schools by Region and Sector, 2016-17



Source: Statistics Centre - Abu Dhabi, Department of Education and Knowledge

4.1.1 Government and Private Schools by Educational Stage, 2016-17

Stage	Government	Private	Total
Total	250	191	441
Kindergarten	53	-	53
Cycle1	59	-	59
Cycle2	40	-	40
Secondary	26	-	26
Multi-Stage	72	191	263

Source: Department of Education and Knowledge

4.1.2 Higher Education Institutions by Type and Sector

Type	2010-11	2013-14	2014-15	2015-16
Total	17	24	24	24
Government	12	14	14	14
Private	5	10	10	10

Source: Department of Education and Knowledge

4.1.3 Government and Private Classrooms by Educational Stage, 2016-17

Stage	Government	Private	Total
Total	5,707	11,005	16,712
Kindergarten	829	2,094	2,923
Cycle1	2,132	4,422	6,554
Cycle2	1,551	2,825	4,376
Secondary	1,195	1,664	2,859

Source: Department of Education and Knowledge

4.1.4 Government and Private Pupils by Educational Stage, 2016-17

Stage	Government	Private	Total
Total	132,098	241,488	373,586
Kindergarten	18,769	44,824	63,593
Cycle1	47,729	105,108	152,837
Cycle2	39,525	60,968	100,493
Secondary	26,075	30,588	56,663

Source: Department of Education and Knowledge

4.1.5 Schools, Classrooms, pupils, Teachers and Administrators in Government and Private Education*

Item	2010-11	2013-14	2014-15	2015-16	2016-17
Total Education					
Schools	480	438	444	442	441
Classrooms	13,528	14,879	16,004	17,118	16,712
Pupils	306,497	340,803	351,501	366,029	373,586
Teachers	22,218	23,339	23,571	23,745	26,953
Administrators	8,107	8,827	10,171	10,265	12,145
Government Education					
Schools	299	254	256	255	250
Classrooms	5,618	5,399	5,511	5,646	5,707
Pupils	125,949	126,216	127,698	129,794	132,098
Teachers	11,384	10,993	11,288	11,786	11,430
Administrators	2,201	2,336	3,665	3,872	3,973
Private Education					
Schools	181	184	188	187	191
Classrooms	7,910	9,480	10,493	11,472	11,005
Pupils	180,548	214,587	223,803	236,235	241,488
Teachers	10,834	12,346	12,283	11,959	15,523
Administrators	5,906	6,491	6,506	6,393	8,172

Source: Department of Education and Knowledge

* Table comprises all stages

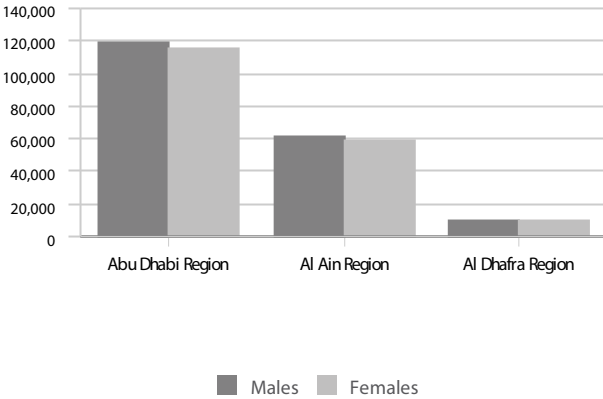
4.1.6 Pupils, Teachers and Administrators by Region, Gender and Sector, 2016-17*

Region, Gender and Sector	Pupils	Teachers	Administrators
Total Education			
Abu Dhabi Emirate	373,586	26,953	12,145
Males	190,378	6,505	4,389
Females	183,208	20,448	7,756
Abu Dhabi Region	234,197	15,842	6,921
Males	119,305	3,511	2,649
Females	114,892	12,331	4,272
Al Ain Region	119,677	9,302	4,449
Males	60,916	2,433	1,521
Females	58,761	6,869	2,928
Al Dhafra Region	19,712	1,809	775
Males	10,157	561	219
Females	9,555	1,248	556
Government Education			
Abu Dhabi Emirate	132,098	11,430	3,973
Males	63,002	3,379	947
Females	69,096	8,051	3,026
Abu Dhabi Region	66,447	5,287	1,853
Males	31,835	1,538	460
Females	34,612	3,749	1,393
Al Ain Region	55,872	5,049	1,768
Males	26,401	1,474	393
Females	29,471	3,575	1,375
Al Dhafra Region	9,779	1,094	352
Males	4,766	367	94
Females	5,013	727	258
Private Education			
Abu Dhabi Emirate	241,488	15,523	8,172
Males	127,376	3,126	3,442
Females	114,112	12,397	4,730
Abu Dhabi Region	167,750	10,555	5,068
Males	87,470	1,973	2,189
Females	80,280	8,582	2,879
Al Ain Region	63,805	4,253	2,681
Males	34,515	959	1,128
Females	29,290	3,294	1,553
Al Dhafra Region	9,933	715	423
Males	5,391	194	125
Females	4,542	521	298

Source: Department of Education and Knowledge

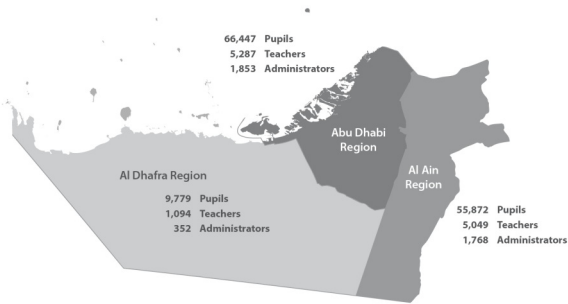
* Table comprises all stages

Figure 4.1.2 Pupils by Region and Gender in Government and Private Education, 2016-17



Source: Department of Education and Knowledge

Figure 4.1.3 Pupils, Teachers and Administrators in Government Schools by Region, 2016-17



4.1.7 Pupils in Government and Private Schools by Educational Stage and Gender and Females per 100 Males, 2016-17

Stage	Males	Females	Total	Females per 100 Males
Total Education	190,378	183,208	373,586	96.2
Kindergarten	32,471	31,122	63,593	95.8
Cycle1	78,560	74,277	152,837	94.5
Cycle2	51,022	49,471	100,493	97.0
Secondary	28,325	28,338	56,663	100.0
Government Education	63,002	69,096	132,098	109.7
Kindergarten	9,254	9,515	18,769	102.8
Cycle1	22,860	24,869	47,729	108.8
Cycle2	18,587	20,938	39,525	112.6
Secondary	12,301	13,774	26,075	112.0
Private Education	127,376	114,112	241,488	89.6
Kindergarten	23,217	21,607	44,824	93.1
Cycle1	55,700	49,408	105,108	88.7
Cycle2	32,435	28,533	60,968	88.0
Secondary	16,024	14,564	30,588	90.9

Source: Statistics Centre - Abu Dhabi, Department of Education and Knowledge

4.1.8 Percent of Pupils in Government Schools by Region, Citizenship, Gender and Educational Stage, 2016-17*

(%)

Region, Citizenship and Gender	Cycle 1	Cycle 2	Secondary	Total
Abu Dhabi Emirate	31.2	39.3	46.0	36.6
Males	29.1	36.4	43.4	34.0
Females	33.5	42.3	48.6	39.2
Citizens	58.2	67.8	74.5	64.4
Males	54.1	63.0	70.8	60.0
Females	62.5	72.6	78.0	68.8
Non-Citizens	10.7	16.0	23.1	14.6
Males	10.5	15.3	22.7	14.2
Females	11.0	16.7	23.5	15.1
Abu Dhabi Region	25.0	31.7	37.8	29.4
Males	23.4	29.7	35.6	27.6
Females	26.7	33.8	39.9	31.4
Citizens	54.2	62.1	68.6	59.5
Males	50.5	58.1	64.9	55.5
Females	58.0	66.3	72.1	63.4
Non-Citizens	7.1	10.7	17.1	10.0
Males	7.1	10.2	17.1	9.8
Females	7.1	11.1	17.1	10.1
Al Ain Region	42.0	51.2	55.9	47.7
Males	39.0	46.9	51.9	44.0
Females	45.3	55.6	60.1	51.5
Citizens	64.6	75.4	80.2	71.1
Males	60.1	70.0	76.0	66.3
Females	69.1	80.4	84.3	75.9
Non-Citizens	15.8	22.8	28.0	20.5
Males	15.1	21.6	26.0	19.3
Females	16.7	24.1	30.2	21.7
Al Dhafra Region	40.9	55.3	77.1	52.1
Males	37.7	51.5	77.1	49.2
Females	44.4	59.3	77.1	55.2
Citizens	53.4	71.9	93.1	66.2
Males	47.4	64.8	92.3	60.5
Females	59.8	79.1	93.9	72.2
Non-Citizens	32.4	44.6	67.1	42.8
Males	31.1	43.1	68.2	41.9
Females	33.8	46.2	65.9	43.7

Source: Statistics Centre - Abu Dhabi, Department of Education and Knowledge

* Excluding Kindergarten Pupils

4.1.9 Percent of Pupils in Private Schools by Region, Citizenship, Gender and Educational Stage, 2016-17*

(%)

Region, Citizenship and Gender	Cycle 1	Cycle 2	Secondary	Total
Abu Dhabi Emirate	68.8	60.7	54.0	63.4
Males	70.9	63.6	56.6	66.0
Females	66.5	57.7	51.4	60.8
Citizens	41.8	32.2	25.5	35.6
Males	45.9	37.0	29.2	40.0
Females	37.5	27.4	22.0	31.2
Non-Citizens	89.3	84.0	76.9	85.4
Males	89.5	84.7	77.3	85.8
Females	89.0	83.3	76.5	84.9
Abu Dhabi Region	75.0	68.3	62.2	70.6
Males	76.6	70.3	64.4	72.4
Females	73.3	66.2	60.1	68.6
Citizens	45.8	37.9	31.4	40.5
Males	49.5	41.9	35.1	44.5
Females	42.0	33.7	27.9	36.6
Non-Citizens	92.9	89.3	82.9	90.0
Males	92.9	89.8	82.9	90.2
Females	92.9	88.9	82.9	89.9
Al Ain Region	58.0	48.8	44.1	52.3
Males	61.0	53.1	48.1	56.0
Females	54.7	44.4	39.9	48.5
Citizens	35.4	24.6	19.8	28.9
Males	39.9	30.0	24.0	33.7
Females	30.9	19.6	15.7	24.1
Non-Citizens	84.2	77.2	72.0	79.5
Males	84.9	78.4	74.0	80.7
Females	83.3	75.9	69.8	78.3
Al Dhafra Region	59.1	44.7	22.9	47.9
Males	62.3	48.5	22.9	50.8
Females	55.6	40.7	22.9	44.8
Citizens	46.6	28.1	6.9	33.8
Males	52.6	35.2	7.7	39.5
Females	40.2	20.9	6.1	27.8
Non-Citizens	67.6	55.4	32.9	57.2
Males	68.9	56.9	31.8	58.1
Females	66.2	53.8	34.1	56.3

Source: Statistics Centre - Abu Dhabi, Department of Education and Knowledge

* Excluding Kindergarten Pupils

4.1.10 Ratio of Citizen Pupils to Non-Citizen Pupils by Region and Sector

(Citizen Pupils per 100 Non-Citizen Pupils)

Region and Sector	2010-11	2014-15	2015-16	2016-17
Total Education	79.4	76.8	77.1	79.6
Abu Dhabi Region	64.4	62.6	62.9	65.0
Al Ain Region	113.8	115.8	117.0	120.4
Al Dhafra Region	78.3	63.9	63.5	67.5
Government Education	275.9	340.7	364.0	381.6
Abu Dhabi Region	277.0	372.3	400.8	428.2
Al Ain Region	326.8	400.7	425.7	444.3
Al Dhafra Region	143.6	108.1	111.3	113.4
Private Education	31.5	31.8	32.2	33.8
Abu Dhabi Region	27.5	27.4	28.1	29.7
Al Ain Region	44.3	43.9	43.6	44.9
Al Dhafra Region	11.5	34.8	35.2	38.3

Source: Statistics Centre - Abu Dhabi, Department of Education and Knowledge

4.1.11 The Determined Ones in Government Education by Disability Type and Region, 2016-17

Disability Type	Abu Dhabi Region	Al Ain Region	Al Dhafra Region	Total
Total	4,674	3,272	436	8,382
Learning disabilities	2,379	2,060	359	4,798
Visually impaired students	154	150	6	310
Students with hearing disabilities	187	134	17	338
Students of speech and language disorders	682	230	14	926
Students with Physically disabled	305	164	9	478
Students with health problems	405	291	14	710
Emotional behavioral disability	117	56	1	174
Autism spectrum disorders	207	70	3	280
Intellectual disability and mental impairment	176	94	9	279
Other Disabilities	62	23	4	89

Source: Department of Education and Knowledge

4.1.12 Teachers by Educational Stage and Gender in Government Education, 2016-17

Stage	Males	Females	Total
Total	3,379	8,051	11,430
Kindergarten*	1	1,298	1,299
Cycle 1	405	2,405	2,810
Cycle 2	839	957	1,796
Secondary	674	814	1,488
Multi-Stage	1,460	2,577	4,037

Source: Department of Education and Knowledge

* All Kindergarten teachers are females

4.1.13 Teachers by Region, Citizenship, Gender and Educational Stage in Government Education, 2016-17*

Region, Citizenship and Gender	Cycle 1	Cycle 2	Secondary	Total
Abu Dhabi Emirate	2,810	1,796	1,488	6,094
Males	405	839	674	1,918
Females	2,405	957	814	4,176
Citizens	1,239	683	575	2,497
Males	60	147	63	270
Females	1,179	536	512	2,227
Non-Citizens	1,571	1,113	913	3,597
Males	345	692	611	1,648
Females	1,226	421	302	1,949
Abu Dhabi Region	1,470	922	779	3,171
Males	251	511	396	1,158
Females	1,219	411	383	2,013
Citizens	643	275	219	1,137
Males	45	100	46	191
Females	598	175	173	946
Non-Citizens	827	647	560	2,034
Males	206	411	350	967
Females	621	236	210	1,067
Al Ain Region	1,070	826	653	2,549
Males	128	280	222	630
Females	942	546	431	1,919
Citizens	532	408	356	1,296
Males	12	47	17	76
Females	520	361	339	1,220
Non-Citizens	538	418	297	1,253
Males	116	233	205	554
Females	422	185	92	699
Al Dhafra Region	270	48	56	374
Males	26	48	56	130
Females	244	0	0	244
Citizens	64	0	0	64
Males	3	0	0	3
Females	61	0	0	61
Non-Citizens	206	48	56	310
Males	23	48	56	127
Females	183	0	0	183

Source: Department of Education and Knowledge

* Number of teachers does not include teachers in Kindergarten and Multi-Stage schools

4.1.14 Teachers by Region,Citizenship and Gender in Private Education, 2016-17

Region and Citizenship	Males	Females	Total
Abu Dhabi Emirate	3,126	12,397	15,523
Citizens	0	40	40
Non-Citizens	3,126	12,357	15,483
Abu Dhabi Region	1,973	8,582	10,555
Citizens	0	16	16
Non-Citizens	1,973	8,566	10,539
Al Ain Region	959	3,294	4,253
Citizens	0	8	8
Non-Citizens	959	3,286	4,245
Al Dhafra Region	194	521	715
Citizens	0	16	16
Non-Citizens	194	505	699

Source: Department of Education and Knowledge

4.1.15 Number of Pupils per Teacher by Region, Educational Stage and Gender in Government Education, 2016-17

Region and Stage	Males	Females	Total
Abu Dhabi Emirate	-	-	11.5
Cycle1	-	-	12.6
Cycle2	14.9	12.9	13.8
Secondary	10.3	9.5	9.9
Multi-Stage	13.1	8.7	10.3
Abu Dhabi Region	-	-	
Cycle1	-	-	12.9
Cycle2	15.6	14.7	15.2
Secondary	10.4	10.0	10.2
Multi-Stage	17.8	10.0	12.1
Al Ain Region	-	-	
Cycle1	-	-	13.0
Cycle2	31.8	6.7	12.5
Secondary	8.3	7.2	9.6
Multi-Stage	12.2	7.7	9.6
Al Dhafra Region	-	-	
Cycle1	-	-	10.0
Cycle2	10.0	-	10.0
Secondary	8.6	-	8.6
Multi-Stage	8.6	8.0	8.2

Source: Statistics Centre - Abu Dhabi, Department of Education and Knowledge

* In cycle 1, pupils per teacher ratios by gender are not calculated, because of mixed classes, with female teachers.

4.1.16 Number of Pupils per Classroom and Number of Teachers per Classroom by Region and Educational Stage in Government Education, 2016-17*

Region and Gender	Cycle 1	Cycle 2	Secondary	Total
Abu Dhabi Emirate				
Pupils/Classroom	16.7	16.0	12.3	15.4
Teachers/Classroom	1.3	1.2	1.2	1.2
Abu Dhabi Region				
Pupils/Classroom	18.4	19.3	15.2	17.9
Teachers/Classroom	1.4	1.3	1.5	1.4
Al Ain Region				
Pupils/Classroom	15.0	15.5	12.0	14.4
Teachers/Classroom	1.2	1.2	1.3	1.2
Al Dhafra Region				
Pupils/Classroom	15.1	3.1	3.2	7.6
Teachers/Classroom	1.5	0.3	0.4	0.8

Source: Statistics Centre - Abu Dhabi, Department of Education and Knowledge

* Number of classrooms is not available in Multi-stage schools

4.1.17 Pupils per Classroom by Region and Educational Stage in Private Education, 2016-17

Region	Cycle 1	Cycle 2	Secondary	Total
Abu Dhabi Emirate	23.8	21.6	18.4	22.1
Abu Dhabi Region	24.0	21.9	18.7	22.3
Al Ain Region	23.1	21.2	17.6	21.5
Al Dhafra Region	23.4	19.4	18.8	21.6

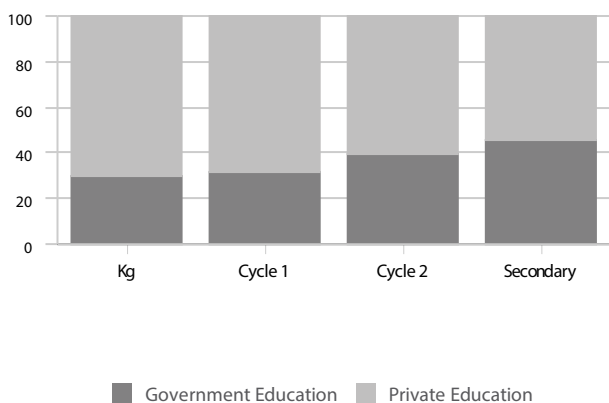
Source: Statistics Centre - Abu Dhabi, Department of Education and Knowledge

4.1.18 Pupils per Teacher and Number of Teachers per Classroom by Region in Private Education, 2016-17

Region	Pupils per Teacher	Teachers per Classroom
Abu Dhabi Emirate	15.6	1.4
Abu Dhabi Region	15.9	1.4
Al Ain Region	15.0	1.4
Al Dhafra Region	13.9	1.6

Source: Statistics Centre - Abu Dhabi, Department of Education and Knowledge

Figure 4.1.4 Percentage Distribution of Pupils by Sector & Stage, 2016-17



Source: Statistics Centre - Abu Dhabi, Department of Education and Knowledge

Educational Enrollment Ratios

4.1.19 Gross Enrollment Ratio by Educational Stage and Gender, 2016-17

Stage	Males	Females	Total
Kindergarten	95.1	94.8	94.9
Grade 1	98.3	95.1	96.8
Cycle1	100.5	97.1	98.8
Cycle2	93.1	92.6	92.9
Secondary	83.5	68.7	75.4

Source: Statistics Centre - Abu Dhabi

4.1.20 Percent of Pupils Enrolled in Private Education to All Pupils by Region*

(%)

Region	2010-11	2013-14	2014-15	2015-16	2016-17
Abu Dhabi Emirate	58.9	63.0	63.7	64.5	64.6
Abu Dhabi Region	66.1	69.7	70.3	71.3	71.6
Al Ain Region	50.9	53.1	53.3	53.5	53.3
Al Dhafra Region	30.9	48.0	49.6	52.0	50.4

Source: Statistics Centre - Abu Dhabi

* Table comprises all stages

Progression

4.1.21 Percent of Progression to Secondary School by Gender, 2016-17

Stage	Males	Females	Both Genders
Class 10 (2016-17)	10,726	10,634	21,360
Class 9 (2015-16)	11,242	10,994	22,236
%	95.4	96.7	96.1

Source: Department of Education and Knowledge, Statistics Center- Abu Dhabi

Adult Education

4.1.22 Literacy Centres, Adult Education and Home Schooling by Type

Centers	2010-11	2013-14	2014-15	2015-16	2016-17
Total	114	99	102	96	108
Family Development Centres	11	10	1	1	1
Home Schooling	77	66	67	67	79

Source: Department of Education and Knowledge

4.1.23 Literacy Centres, Adult Education and Home Schooling by Region and Gender

Region and Gender	2010-11	2013-14	2014-15	2015-16	2016-17
Abu Dhabi Emirate	114	99	102	96	108
Males	56	48	49	47	51
Females	58	51	53	49	57
Abu Dhabi Region	30	25	26	24	37
Males	16	13	13	12	17
Females	14	12	13	12	20
Al Ain Region	58	48	50	47	46
Males	28	22	23	23	22
Females	30	26	27	24	24
Al Dhafra Region	26	26	26	25	25
Males	12	13	13	12	12
Females	14	13	13	13	13

Source: Department of Education and Knowledge

4.1.24 Pupils in Literacy Centres and Adult Education by Region, Citizenship, Gender and Stage, 2016-17

Region, Citizenship and Gender	Cycle 1	Cycle 2	Secondary	Total
Abu Dhabi Emirate	1,857	557	2,005	4,419
Males	398	268	1,046	1,712
Females	1,459	289	959	2,707
Citizens	872	429	1,647	2,948
Males	195	208	875	1,278
Females	677	221	772	1,670
Non-Citizens	985	128	358	1,471
Males	203	60	171	434
Females	782	68	187	1,037
Abu Dhabi Region	904	217	963	2,084
Males	184	89	494	767
Females	720	128	469	1,317
Citizens	424	172	794	1,390
Males	70	70	416	556
Females	354	102	378	834
Non-Citizens	480	45	169	694
Males	114	19	78	211
Females	366	26	91	483
Al Ain Region	772	230	802	1,804
Males	177	113	397	687
Females	595	117	405	1,117
Citizens	358	176	636	1,170
Males	96	90	313	499
Females	262	86	323	671
Non-Citizens	414	54	166	634
Males	81	23	84	188
Females	333	31	82	446
Al Dhafra Region	181	110	240	531
Males	37	66	155	258
Females	144	44	85	273
Citizens	90	81	217	388
Males	29	48	146	223
Females	61	33	71	165
Non-Citizens	91	29	23	143
Males	8	18	9	35
Females	83	11	14	108

Source: Department of Education and Knowledge

4.1.25 Pupils in Home Schooling by Region, Citizenship, Gender and Stage, 2016-17

Region, Citizenship and Gender	Cycle 2	Secondary	Total
Abu Dhabi Emirate	745	2,888	3,633
Males	432	1,845	2,277
Females	313	1,043	1,356
Citizens	465	2,274	2,739
Males	329	1,549	1,878
Females	136	725	861
Non-Citizens	280	614	894
Males	103	296	399
Females	177	318	495
Abu Dhabi Region	375	1,412	1,787
Males	195	856	1,051
Females	180	556	736
Citizens	221	1,067	1,288
Males	145	698	843
Females	76	369	445
Non-Citizens	154	345	499
Males	50	158	208
Females	104	187	291
Al Ain Region	308	1,345	1,653
Males	202	906	1,108
Females	106	439	545
Citizens	210	1,112	1,322
Males	163	790	953
Females	47	322	369
Non-Citizens	98	233	331
Males	39	116	155
Females	59	117	176
Al Dhafra Region	62	131	193
Males	35	83	118
Females	27	48	75
Citizens	34	95	129
Males	21	61	82
Females	13	34	47
Non-Citizens	28	36	64
Males	14	22	36
Females	14	14	28

Source: Department of Education and Knowledge

4.1.26 Teachers in Literacy Centres and Adult Education by Region, Citizenship and Gender

Region, Citizenship and Gender	2010-11	2013-14	2014-15	2015-16	2016-17
Abu Dhabi Emirate	250	245	245	244	229
Males	20	20	22	22	22
Females	230	225	223	222	207
Citizens	137	161	163	163	148
Males	4	3	5	6	6
Females	133	158	158	157	142
Non-Citizens	113	84	82	81	81
Males	16	17	17	16	16
Females	97	67	65	65	65
Abu Dhabi Region	79	76	77	77	78
Males	17	20	22	22	22
Females	62	56	55	55	56
Citizens	52	50	52	53	55
Males	4	3	5	6	6
Females	48	47	47	47	49
Non-Citizens	27	26	25	24	23
Males	13	17	17	16	16
Females	14	9	8	8	7
Al Ain Region	83	83	83	81	67
Males	3	0	0	0	0
Females	80	83	83	81	67
Citizens	63	79	79	78	65
Males	0	0	0	0	0
Females	63	79	79	78	65
Non-Citizens	20	4	4	3	2
Males	3	0	0	0	0
Females	17	4	4	3	2
Al Dhafra Region	88	86	85	86	84
Males	0	0	0	0	0
Females	88	86	85	86	84
Citizens	22	32	32	32	28
Males	0	0	0	0	0
Females	22	32	32	32	28
Non-Citizens	66	54	53	54	56
Males	0	0	0	0	0
Females	66	54	53	54	56

Source: Department of Education and Knowledge

Educational Attainment

4.1.27 Higher Education Students by Citizenship, Sector and Gender, 2015-16

Citizenship and Sector	Males	Females	Total
Grand Total	18,246	33,789	52,035
Government	11,001	25,554	36,555
Private	7,245	8,235	15,480
Citizens	12,322	25,727	38,049
Government	8,655	22,278	30,933
Private	3,667	3,449	7,116
Non-Citizens	5,924	8,062	13,986
Government	2,346	3,276	5,622
Private	3,578	4,786	8,364

Source: Sources: Department of Education and Knowledge

4.1.28 Higher Education Graduates by Citizenship, Sector and Gender, 2015-16

Citizenship and Sector	Males	Females	Total
Grand Total	2,582	5,500	8,082
Government	1,634	3,645	5,279
Private	948	1,855	2,803
Citizens	1,615	3,275	4,890
Government	1,072	2,810	3,882
Private	543	465	1,008
Non-Citizens	967	2,225	3,192
Government	562	835	1,397
Private	405	1,390	1,795

Source: Sources: Department of Education and Knowledge

4.1.29 Illiteracy Rate Among Population (10 years and above) by Citizenship and Gender

(%)

Citizenship and Gender	2011	2013	2014	2015	2016
Grand Total	10.5	7.2	6.4	7.0	6.2
Males	11.6	7.5	6.5	7.1	5.4
Females	7.7	6.2	6.2	6.9	8.0
Citizens	6.0	5.3	5.3	5.0	3.6
Males	3.4	3.4	3.0	2.8	2.1
Females	8.7	7.4	7.7	7.3	5.1
Non-Citizens	11.5	7.5	6.6	7.4	6.7
Males	12.7	8.0	7.0	7.6	5.8
Females	7.2	5.6	5.5	6.7	8.8

Source: Statistics Centre - Abu Dhabi

4.1.30 Literacy Rate Among Population (10 years and above) by Citizenship and Gender

(%)

Citizenship and Gender	2011	2013	2014	2015	2016
Grand Total	89.5	92.8	93.6	93.0	93.8
Males	88.4	92.5	93.5	92.9	94.6
Females	92.3	93.8	93.8	93.1	92.0
Citizens	94.0	94.7	94.7	95.0	96.4
Males	96.6	96.6	97.0	97.2	97.9
Females	91.3	92.6	92.3	92.7	94.9
Non-Citizens	88.5	92.5	93.4	92.6	93.3
Males	87.3	92.0	93.0	92.4	94.2
Females	92.8	94.4	94.5	93.3	91.2

Source: Statistics Centre - Abu Dhabi

4.1.31 Illiteracy Rate Among Youth Population (15-24 years) by Citizenship and Gender

(%)

Citizenship and Gender	2011	2013	2014	2015	2016
Grand Total	8.1	4.8	3.2	4.4	4.2
Males	9.7	5.5	3.6	5.2	3.4
Females	4.9	3.3	2.5	3.0	5.6
Citizens	0.6	0.5	0.3	0.3	0.5
Males	0.6	0.5	0.3	0.3	0.6
Females	0.6	0.4	0.2	0.2	0.4
Non-Citizens	11	6.4	4.5	6.0	5.5
Males	12.3	6.9	4.6	6.6	4.2
Females	7.7	5.1	4.1	4.7	8.2

Source: Statistics Centre - Abu Dhabi

4.1.32 Literacy Rate Among Youth Population (15-24 years) by Citizenship and Gender

(%)

Citizenship and Gender	2011	2013	2014	2015	2016
Grand Total	91.9	95.2	96.8	95.6	95.8
Males	90.3	94.5	96.4	94.8	96.6
Females	95.1	96.7	97.5	97.0	94.4
Citizens	99.4	99.5	99.7	99.7	99.5
Males	99.4	99.5	99.7	99.7	99.4
Females	99.4	99.6	99.8	99.8	99.6
Non-Citizens	89.0	93.6	95.5	94.0	94.5
Males	87.7	93.1	95.4	93.4	95.8
Females	92.3	94.9	95.9	95.3	91.8

Source: Statistics Centre - Abu Dhabi

4.1.33 Percentage Distribution of Population (10 years and over) by Education Attainment and Gender, 2017

Education Attainment	Males	Females	Total
Total	100.0	100.0	100.0
Less than primary	16.4	23.0	18.7
Primary	20.4	17.8	19.5
Lower Secondary	21.4	17.0	19.9
Upper Secondary	14.5	16.4	15.2
Post-secondary	5.1	3.8	4.7
Bachelor	17.8	19.0	18.2
Higher Education	4.4	3.0	3.9
Unknown	0.0	0.0	0.0

Source: Statistics Centre - Abu Dhabi

4.1.34 Percentage Distribution of Citizens Population (10 years and over) by Education Attainment and Gender, 2017

Education Attainment	Males	Females	Total
Total	100.0	100.0	100.0
Less than primary	7.8	14.0	10.8
Primary	15.5	15.4	15.4
Lower Secondary	18.6	17.3	17.9
Upper Secondary	28.6	26.4	27.5
Post-secondary	4.4	4.5	4.4
Bachelor	20.4	19.9	20.2
Higher Education	4.8	2.6	3.7
Unknown	0.1	0.0	0.1

Source: Statistics Centre - Abu Dhabi

4.1.35 Percentage Distribution of Estimated Non-Citizens Population (10 years and over) by Education Attainment and Gender, 2017

Education Attainment	Males	Females	Total
Total	100.0	100.0	100.0
Less than primary	17.6	25.6	20.2
Primary	21.1	18.5	20.3
Lower Secondary	21.8	16.9	20.2
Upper Secondary	12.5	13.5	12.8
Post-secondary	5.2	3.6	4.7
Bachelor	17.4	18.8	17.8
Higher Education	4.4	3.1	4.0
Unknown	0.0	0.0	0.0

Source: Statistics Centre - Abu Dhabi

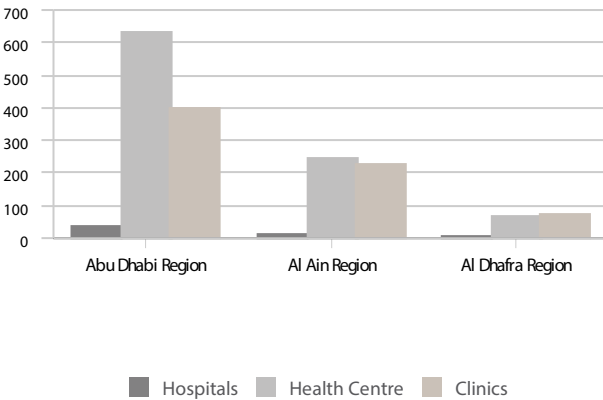
4.2. Health

Health services in Abu Dhabi have experienced remarkable expansion and transformation over past years. This is most evident in the significant rise in the number of hospitals and other health facilities over this period. The number of hospitals grew to 60 in 2017, including new private hospitals opened in the region of Abu Dhabi. In general, the Emirate has also witnessed a remarkable increase in the number of health centres and clinics.

In 2017, there were 3.3 physicians per 1000 population, 9.5 nurses per 1000 population and 1.9 beds per 1000 population.

2017	Physicians per 1000 populations	3.3
	Beds per 1000 populations	1.9
	Nurses per 1000 population	9.5
	Hospitals	60
	Hospital Beds	5,536
	Health centres	944
	Clinics	700
	Pharmacies	802
	Physicians	9,444
	Nurses	27,568

Figure 4.2.1 Health Establishments by Type and Region, 2017



Source: Statistics Centre - Abu Dhabi, Department of Health - Abu Dhabi

4.2.1 Summary of Government Health Statistics

Details	2012	2014	2015	2016	2017*
Hospitals	12	12	12	15	15
Beds	2,475	2,507	2,952	2,981	2,914
Patients Admitted	96,700	118,378	117,200	123,012	118,297
Doctors	2,072	2,508	2,534	2,506	2,549
Out - Patients	2,376,100	2,469,683	2,704,000	2,830,825	2,614,916

Source: Department of Health - Abu Dhabi

* Preliminary Data

4.2.2 Hospitals by Region and Sector

Region and Sector	2012	2014	2015	2016	2017**
Abu Dhabi Emirate	39	45	51	56	60
Government	12	12	12	15	15
Private	25	33	39	41	45
Military*	2	-	-	-	-
Abu Dhabi Region	22	27	32	34	38
Government	4	4	4	6	6
Private	17	23	28	28	32
Military*	1	-	-	-	-
Al Ain Region	11	12	13	15	15
Government	3	3	3	3	3
Private	7	9	10	12	12
Military*	1	-	-	-	-
Al Dhafra Region	6	6	6	7	7
Government	5	5	5	6	6
Private	1	1	1	1	1
Military*	0	-	-	-	-

Source: Department of Health - Abu Dhabi

* Military Hospitals are excluded from 2014

** Preliminary Data

4.2.3 Health Establishments by Type and Region

Region	2012	2014	2015	2016	2017*
Abu Dhabi Emirate					
Hospitals	39	45	51	56	60
Health Centres	540	629	758	875	944
Clinics	316	362	423	449	700
Abu Dhabi Region					
Hospitals	22	27	32	34	38
Health Centres	385	442	521	592	633
Clinics	201	212	265	284	398
Al Ain Region					
Hospitals	11	12	13	15	15
Health Centres	129	161	189	225	246
Clinics	100	120	126	126	230
Al Dhafra Region					
Hospitals	6	6	6	7	7
Health Centres	26	26	48	58	65
Clinics	15	30	32	39	72

Source: Department of Health - Abu Dhabi

* Preliminary Data

4.2.4 Death Rate (Per 100,000 Population) by Causes of Death, 2017*

Causes of Death	Rate
Diseases of the Circulatory System	41.4
External Causes of Morbidity and Mortality	16.3
Neoplasms	18.1
Diseases of the respiratory System	6.0
Certain conditions originating in the prenatal period	4.9
Certain Infectious and Parasitic Diseases	3.9
Injury, Poisoning and certain other consequences of external causes	3.1
Diseases of the digestive system	3.1
Symptoms, signs and abnormal clinical and laboratory findings not elsewhere classified	3.6
Congenital Malformations, Deformations and Chromosomal	2.7
Endocrine, Nutritional and Metabolic diseases	2.1
Diseases of the genitourinary system	2.1
Diseases of the nervous system	1.6
Diseases of the musculoskeletal system and connective tissues	0.3
Diseases of the blood and blood - forming organs and certain disorders involving the immune mechanism	0.6
Factors influencing health status and contact with health services	0.3
Pregnancy, childbirth and the puerperium	0.1
Diseases of the skin and subcutaneous tissues	0.1
Mental and behavioral disorders	0.1
NA	2.3

Source: Statistics Centre - Abu Dhabi, Department of Health - Abu Dhabi

* Preliminary Data

4.2.5 Clinicians Rate (Per 100,000 Population) by Region

Region	2012	2014	2015	2016	2017*
Abu Dhabi Emirate					
Physicians	237	270	304	309	326
Nurses	530	595	781	857	953
Dentists	42	49	56	60	136
Abu Dhabi Region					
Physicians	264	299	344	350	370
Nurses	592	655	886	977	1089
Dentists	48	56	63	67	74
Al Ain Region					
Physicians	241	271	287	290	301
Nurses	545	600	742	803	890
Dentists	41	50	58	62	69
Al Dhafra Region					
Physicians	94	113	129	129	143
Nurses	190	269	312	328	340
Dentists	11	12	14	14	17

Source: Sources: Department of Health - Abu Dhabi , Statistics Centre - Abu Dhabi

* Preliminary Data

4.2.6 Notifications of Infectious Diseases

Infectious Diseases	2010	2013	2014	2015	2016
Total	14,166	14,157	15,981	18,547	24,270
Seasonal Influenza	248	410	1,499	2,847	6,774
Chickenpox	7,429	4,581	4,660	4,614	4,819
Scabies	654	1,001	1,475	1,579	1,907
Malaria	1,415	2,203	2,415	1,940	1,848
Other Food Poisoning	469	1,237	360	1,233	1,392
Viral Hepatitis B	711	699	818	1,121	1,139
Viral Hepatitis C	668	546	570	776	851
Other STIs	318	132	279	572	728
Pulmonary Tuberculosis	450	311	338	339	407
Viral Hepatitis A	193	271	224	173	318
Syphilis	62	162	203	271	317
Mumps	221	174	182	240	296
Scarlet Fever	105	198	220	319	271
Extra Pulmonary Tuberculosis	175	169	205	231	259
Typhoid Fever	335	248	222	275	251
Giardia Lambia	55	94	100	139	184
Gonorrhoea	62	92	64	110	154
Viral Meningitis	36	59	56	79	133
Brucellosis	52	99	49	75	118
Rubella	22	15	10	134	73
Measles	50	122	117	117	63
Whooping Cough	73	38	15	31	51
Acute Encephalitis	10	11	11	7	19
Other Viral Hepatitis	26	5	7	4	15
Corona Virus	-	0	0	28	14
Acute Flaccid Paralysis	11	10	7	6	8
Tetanus	1	2	1	0	5
Other	315	1,268	1,874	1,287	1,856

Source: Department of Health - Abu Dhabi

4.2.7 Beds and Admissions in Government Hospitals by Region

Region	2010	2014	2015	2016	2017*
Abu Dhabi Emirate					
Beds	2,582	2,507	2,952	2,981	2,914
Patients Admitted	86,136	118,378	117,200	123,012	118,297
Abu Dhabi Region					
Beds	1,504	1,446	1,864	1,772	1,832
Patients Admitted	48,409	67,640	66,400	69,945	66,022
Al Ain Region					
Beds	824	835	838	864	802
Patients Admitted	31,870	42,382	42,100	43,632	42,840
Al Dhafra Region					
Beds	254	226	250	345	280
Patients Admitted	5,857	8,356	8,700	9,435	9,435

Source: Department of Health - Abu Dhabi

* Preliminary Data

4.2.8 Persons Insured by Health Insurance Companies*

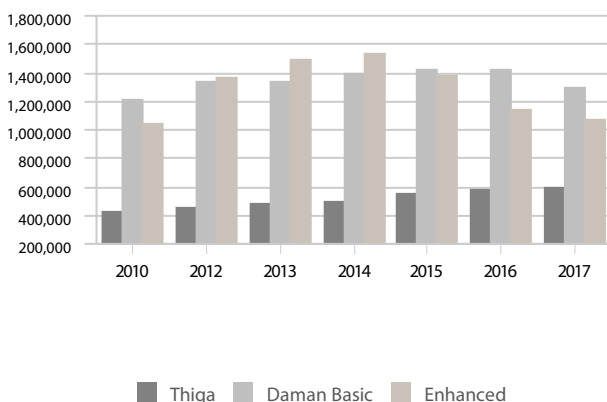
Insurance Company	2010	2014	2015	2016	2017**
Thiqa	422,239	497,511	554,786	577,067	589,116
Daman Basic	1,204,418	1,386,448	1,421,899	1,415,009	1,297,694
Enhanced	1,044,734	1,539,298	1,380,119	1,134,822	1,069,676

Source: Department of Health - Abu Dhabi

** Preliminary Data

* Some numbers may be inflated, since cancellations are not always excluded. Except Thiqa and Daman Basic, all insurers are considered Enhanced

Figure 4.2.2 Persons Insured by Insurance Companies



Source: Statistics Centre - Abu Dhabi, Department of Health - Abu Dhabi

4.3. Social Welfare

The social welfare services provided in Abu Dhabi Emirate contributed significantly in supporting individuals of the society, the total value of aid provided to citizens was 884.6 million AED for the year 2017, an increase of 3.6% compared with 2015.

There are 2,219 students enrolled in government and private care centres, of whom 72.4% were citizens and 27.6% were non-citizens in 2017.

4.3.1 Non-Government Organizations by Type of Activity

Type of Activity	2005	2012	2013	2016	2017
Total	42	53	54	60	65
Women	4	3	3	3	3
Professional	7	8	8	10	10
Popular Art	4	3	3	3	3
Cultural and Public Services	10	17	17	21	24
Humanitarian Services	1	4	5	5	7
Theatres	3	5	5	5	5
Foreign Associations	13	13	13	13	13

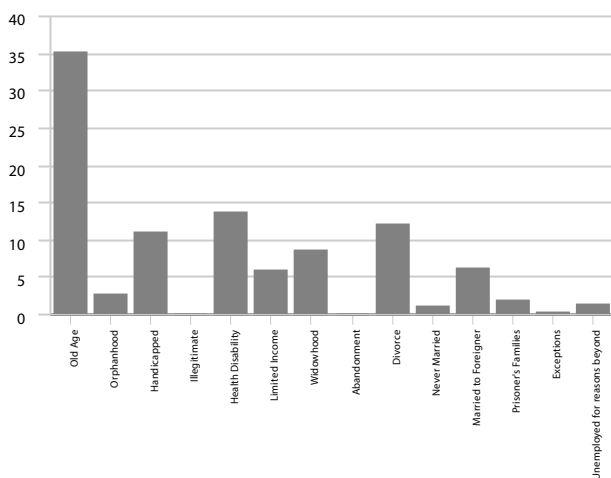
Source: Ministry of Community Development

4.3.2 Cases and Beneficiaries of Social Aid Offered to Citizens by Reason and Gender, 2017

Reason of Aid	Cases		Beneficiaries	
	Males	Females	Males	Females
Total	3,904	9,793	8,500	16,962
Old Age	1,165	2,865	2,767	6,217
Orphanhood	149	153	317	361
Handicapped	1,448	1,008	1,595	1,198
Illegitimate	7	19	7	19
Health Disability	844	250	1,867	1,642
Limited Income	164	0	761	776
Widowhood	0	671	676	1,482
Abandonment	0	11	0	11
Divorce	0	3,043	0	3,043
Never Married	0	291	0	300
Married to Foreigner	0	1,326	104	1,453
Prisoner's Families	66	100	233	245
Exceptions	0	54	0	54
Married Students	2	0	4	4
Unemployed for reasons beyond	59	2	169	157

Source: Statistics Centre - Abu Dhabi, Ministry of Community Development

Figure 4.3.1 Percentage Distribution of Beneficiaries of Social Aid by Reason of Aid, 2017



Source: Statistics Centre - Abu Dhabi, Ministry of Community Development

4.3.3 Benefits of Social Aid Paid by Month, 2017

(AED)

Month	Benefits (AED)
Total	884,688,445
January	72,473,737
February	72,692,549
March	73,075,720
April	73,549,991
May	74,014,995
June	73,773,862
July	73,717,907
August	73,828,589
September	74,199,154
October	74,377,798
November	74,577,647
December	74,406,496

Source: Ministry of Community Development

4.3.4 Nurseries, Employees and Children in Nurseries

Item	2010	2014	2015	2016	2017
Number of Nurseries	66	150	179	227	246
Number of Employees	836	2,205	2,314	2,818	3,139
Number of Children	6,225	11,756	12,456	13,595	15,247

Source: Ministry of Community Development, Department of Education and Knowledge

4.3.5 Nurseries, Employees and Children Ratios in Nurseries

Item	2010	2014	2015	2016	2017
Children per Nursery	94.3	78.4	69.6	59.9	62.0
Children per Employee	7.4	5.3	5.4	4.8	4.9
Employees per Nursery	12.7	14.7	12.9	12.4	12.8

Source: Statistics Centre - Abu Dhabi, Ministry of Community Development, Department of Education and Knowledge

4.3.6 Children in Nurseries by Citizenship, Gender and Age

Items	2005	2015	2016	2017
Citizenship	2,275	12,456	13,595	15,247
Citizens	481	5,185	5,754	7,590
Non-Citizens	1,794	7,227	7,688	7,657
Unknown	-	44	153	-
Gender				
Males	1,172	6,593	7,152	8,218
Females	1,103	5,863	6,443	7,029
Age				
Infants	321	2,058	2,319	2,736
Non-Infants	1,954	10,291	11,175	12,511

Source: Ministry of Community Development, Department of Education and Knowledge

4.3.7 The determined ones in Government and Private Care Centres by Citizenship and Gender, 2017

Citizenship	Males	Females	Total
Total	1404	815	2219
Citizens	997	610	1607
Non-Citizens	407	205	612

Source: Ministry of Community Development

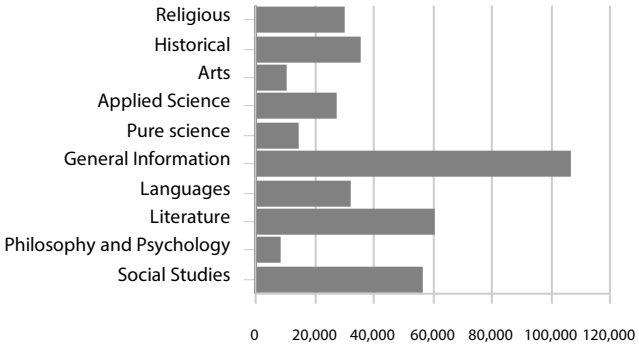
4.4. Culture and Heritage

The Emirate of Abu Dhabi is endowed with natural and archaeological sites that represent a unique and valuable contribution to the richness of global culture and heritage. All these resources merit special measures to ensure their preservation.

As a contribution to cultural enrichment in Abu Dhabi Emirate, the number of books at National Library reached about 380 thousands book in 2017, the number of visitors and borrowers were 55 thousands visitors and 14.3 thousands borrowers in 2017.

The number of visitors to the museums in Abu Dhabi Emirate increased by more than half million visitors in 2017, especially after the opening of the louver museum.

Figure 4.4.1 Books Available at National Library by Subject, 2017



Source: Statistics Centre - Abu Dhabi, Abu Dhabi Tourism & Culture Authority

4.4.1 Books Available at National Library by Subject

Subject	2013	2014	2015	2016	2017
Total	422,714	346,124	359,427	371,327	379,969
Religious	66,497	22,753	23,951	24,678	29,918
Historical	58,438	33,741	35,147	38,120	35,286
Arts	13,654	1,871	2,015	2,672	9,961
Applied Science	38,114	10,769*	12,523*	14,608*	27,318
Pure science	34,654	-	-	-	14,151
General Information	27,045	164,971	168,338	168,896	106,559
Languages	8,113	49,487	50,497	50,664	31,965
Literature	65,351	24,450	27,472	30,069	60,074
Philosophy and Psychology	2,109	12,867	13,130	13,174	8,385
Social Studies	108,739	25,215	26,354	28,446	56,352

Source: Abu Dhabi Tourism & Culture Authority

* The number of books is for Pure Science and Applied Science

4.4.2 Visitors and Borrowers at the National Library by Gender

Item	2013	2015	2016	2017
Visitors	135,973	140,000	94,718	55,015
Males	93,142	98,766	-	26,023
Females	42,831	41,234	-	28,992
Borrowers	30,437	10,153	13,699	14,335
Males	20,971	6,996	-	-
Females	9,466	3,157	-	-

Source: Abu Dhabi Tourism & Culture Authority

4.4.3 Islamic Facilities by Region, 2017

Item	Abu Dhabi Region	Al Ain Region	Al Dhafra Region	Abu Dhabi Emirate
Mosques	724	1,115	300	2,139
Mosques under construction	73	187	4	264
Quran Memorization Centres	14	32	10	56
Hajj and Umra Campaigns	56	1	19	76

Source: General Authority of Islamic Affairs and Endowments

4.4.4 Preachers, Imams and Muezzins by Region, 2017

Item	Abu Dhabi Region	Al Ain Region	Al Dhafra Region	Abu Dhabi Emirate
Preachers and Imams	614	834	152	1,600
Imams who rhetoric	516	574	204	1,294
Muezzins	194	272	71	537

Source: General Authority of Islamic Affairs and Endowments

4.4.5 Visitors to Zoo, Museums and Public Parks

Facilities	2006	2015	2016	2017
Total	2,628,486	2,606,494	2,676,280	3,415,738
Zoo	619,042	890,774	833,988	771,717
Hili Fun City	235,132	-	184,383	220,273
Public Parks	1,664,640	1,469,054	1,412,887	1,918,403
Al Ain Museum	53,110	50,834	48,933	46,211
Al Ain Palace Museum	56,562	151,611	134,501	151,321
Dalma Museum	-	2,875	3,325	3,078
Al Jahili Fort Museum	-	41,346	40,112	39,374
Qasr Al Muwajji Museum	-	-	18,151	16,429
Louvre Museum*	-	-	-	248,932

Source: Municipality of Abu Dhabi City, Western Region Municipality, Al Hili Fun City, Al Ain Wildlife park and Resort and Abu Dhabi Tourism & Culture Authority

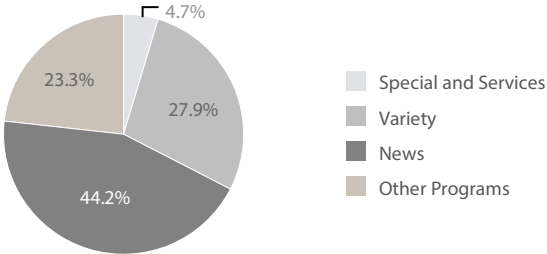
* Started in 2017

4.4.6 Number of Live Programs that Broadcasted from Abu Dhabi Radio Station

Type of Program	2014	2015	2016	2017
Total	32	59	60	43
Religious	6	2	5	2
Cultural	2	1	1	1
News	12	28	30	19
Variety	7	16	13	12
Special and Services	1	3	7	2
Sports	4	5	3	3
Other	0	4	1	4


Source: Abu Dhabi Media Company

Figure 4.4.2 Percentage Distribution of Number of Live Programs that Broadcasted from Abu Dhabi Radio Station by Type of Program, 2017



Source: Statistics Centre - Abu Dhabi, Abu Dhabi Media Company





5. Labour Force

- Labour Force structure
- Employment
- Unemployment
- Outside Labour Force

Population and Economic

Dependency Ratio

5. Labour Force

According to estimates based on the labour force survey covering the fourth quarter of 2017, the labour force constitutes 66.1% as a percentage of the total population and 79.8% as a percentage of the population aged 15+. Females made up 25.1% of the total labour force. The economic dependency ratio was of 51.2%

2017	Percentage of Employed to Total Population Aged 15 Years and Above	75.8
	Unemployment Rate	5.0
	Crude Participation Rate	66.1
	Refined Participation Rate	79.8
	Females as a percentage of total labour force	25.1
	Economic Dependency Ratio	51.2

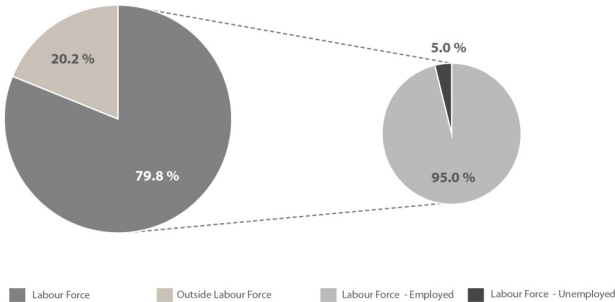
5.1. Labour Force Structure

The labour force includes employed and unemployed individuals who are aged 15 years and above. 2017 Data showed that Abu Dhabi Region had the largest share of the labour force with 62.3%, followed by Al Ain Region with 23.3%, and Al Dhafra Region with 14.4%.

Data on age structure of the labour force in 2017 indicated that the 30 to 34 years age group accounted for the largest share of the labour force with 21.5%.

Refined Economic Participation Rate by region was highest in the Al Dhafra Region, followed by Abu Dhabi Region and Al Ain Region 90.5%, 79.6% and 74.8%, respectively.

Figure 5.1.1 Distribution of the population (15 Years and Over) by Economically Active Status, 2017



5.1.1 Labour Force by Economically Active Status and Citizenship, Census Years

(Persons)

Indicator	1995	2001	2005	2011*
Labour Force	532881	676547	815311	1443700
Citizens	43183	71651	85838	132000
Non-Citizens	489698	604896	729473	1311800
Employed	525457	649342	786738	1403400
Citizens	40981	60753	75518	116400
Non-Citizens	484476	588589	711220	1287000
Unemployed	7424	27205	28573	40300
Citizens	2202	10898	10320	15600
Non-Citizens	5222	16307	18253	24700

Source: Ministry of Economy, Department of Economic Development and Statistics Centre - Abu Dhabi

* 2011 Estimated, all numbers are rounded to the nearest 100 persons, therefore, numbers may not add to totals.

5.1.2 Average Annual Growth Rates in Labour Force in Intercensal Periods by Citizenship and Gender

(%)

Citizenship and Gender	1975-1985	1985 - 1995	1995 - 2005	2005 - 2011
Grand Total	9.1	6.0	4.4	10.8
Males	8.5	5.9	3.7	10.7
Females	20.7	6.8	9.2	11.6
Citizens	6.1	6.8	7.1	8.0
Males	5.9	6.1	5.9	5.9
Females	13.5	16.9	14.4	14.9
Non-Citizens	9.4	5.9	4.1	11.1
Males	8.8	5.9	3.5	11.1
Females	21.1	6.1	8.6	11.0

Source: Ministry of Economy, Department of Economic Development and Statistics Centre - Abu Dhabi

5.1.3 Distribution of Labour Force Estimates (15 Years and Over) by Citizenship, Gender and Region, 2017

(%)

Citizenship and Gender	Abu Dhabi Region	Al Ain Region	Al Dhafra Region	Abu Dhabi Emirate
Grand Total	100.0	100.0	100.0	100.0
Males	72.9	69.2	92.9	74.9
Females	27.1	30.8	7.1	25.1
Citizens	100.0	100.0	100.0	100.0
Males	63.9	63.4	79.1	64.7
Females	36.1	36.6	20.9	35.3
Non-Citizens	100.0	100.0	100.0	100.0
Males	73.7	70.3	93.6	76.0
Females	26.3	29.7	6.4	24.0

Source: Statistics Centre - Abu Dhabi

5.1.4 Distribution of Labour Force Estimates (15 Years and Over) by Region, Gender and Economically Active Status, 2017

(%)

Region and Gender	Labour Force	Employed	Unemployed
Abu Dhabi Emirate	100.0	100.0	100.0
Males	74.9	76.5	45.5
Females	25.1	23.5	54.5
Abu Dhabi Region	100.0	100.0	100.0
Males	72.9	74.2	45.8
Females	27.1	25.8	54.2
Al Ain Region	100.0	100.0	100.0
Males	69.2	71.2	43.1
Females	30.8	28.8	56.9
Al Dhafra Region	100.0	100.0	100.0
Males	92.9	94.2	52.3
Females	7.1	5.8	47.7

Source: Statistics Centre - Abu Dhabi

5.1.5 Distribution of Labour Force Estimates (15 Years and Over) by Region, Age Group and Gender, 2017

(%)

Age Group and Region	Males	Females	Total
Abu Dhabi Emirate	100.0	100.0	100.0
15 - 19	0.8	1.3	1.0
20 - 24	8.5	11.5	9.2
25 - 29	17.1	24.5	18.9
30 - 34	20.7	23.7	21.5
35 - 39	17.5	17.6	17.6
40 - 44	13.4	11.4	12.9
45 - 49	9.6	6.0	8.7
50 - 54	6.3	2.6	5.3
55 - 59	4.0	1.1	3.2
60 - 64	1.9	0.3	1.5
65+	0.3	0.0	0.2
Abu Dhabi Region	100.0	100.0	100.0
15 - 19	0.7	1.3	0.9
20 - 24	8.6	11.1	9.3
25 - 29	16.7	24.2	18.7
30 - 34	20.6	23.4	21.3
35 - 39	17.4	17.5	17.4
40 - 44	13.6	11.7	13.1
45 - 49	9.5	6.7	8.8
50 - 54	6.5	2.3	5.3
55 - 59	3.9	1.3	3.2
60 - 64	2.1	0.4	1.6
65+	0.4	0.0	0.3
Al Ain Region	100.0	100.0	100.0
15 - 19	1.2	1.2	1.2
20 - 24	9.5	12.3	10.4
25 - 29	16.0	25.5	18.9
30 - 34	18.4	24.7	20.4
35 - 39	17.7	17.1	17.6
40 - 44	12.9	10.7	12.2
45 - 49	9.5	4.5	7.9
50 - 54	6.8	2.9	5.6
55 - 59	5.2	0.7	3.8
60 - 64	2.4	0.2	1.7
65+	0.3	0.1	0.2
Al Dhafra Region	100.0	100.0	100.0
15 - 19	0.8	2.0	0.9
20 - 24	6.7	11.3	7.1
25 - 29	19.7	22.6	19.9
30 - 34	24.1	21.1	23.9
35 - 39	17.8	22.8	18.1
40 - 44	13.0	9.6	12.7
45 - 49	9.9	6.1	9.6
50 - 54	5.0	4.3	4.9
55 - 59	2.7	0.1	2.5
60 - 64	0.4	0.0	0.3
65+	0.1	0.0	0.1

Source: Statistics Centre - Abu Dhabi

5.1.6 Refined Participation Rate by Region, Age Group and Gender, 2017

(%)

Age Group and Region	Males	Females	Total
Abu Dhabi Emirate	90.6	58.9	79.8
15 - 19	12.9	9.9	11.7
20 - 24	79.9	58.1	71.5
25 - 29	97.4	75.8	89.2
30 - 34	99.2	73.5	90.5
35 - 39	99.2	69.5	89.6
40 - 44	99.0	62.7	87.7
45 - 49	98.4	56.6	87.1
50 - 54	96.9	36.9	80.9
55 - 59	94.9	20.1	72.7
60 - 64	75.3	10.8	57.4
65+	32.7	1.2	16.5
Abu Dhabi Region	90.8	59.8	79.6
15 - 19	11.0	10.7	10.9
20 - 24	79.9	58.9	71.6
25 - 29	97.1	75.5	88.3
30 - 34	99.4	73.2	89.9
35 - 39	99.4	69.4	88.9
40 - 44	99.4	63.6	87.4
45 - 49	98.9	61.4	87.8
50 - 54	96.8	37.5	81.5
55 - 59	96.7	22.8	71.7
60 - 64	81.6	12.0	60.2
65+	41.3	0.7	20.3
Al Ain Region	85.8	58.0	74.8
15 - 19	13.5	8.1	11.1
20 - 24	74.9	57.1	67.3
25 - 29	96.0	77.0	87.1
30 - 34	98.0	75.5	88.2
35 - 39	98.1	71.9	88.4
40 - 44	97.2	62.5	84.5
45 - 49	95.9	46.3	80.8
50 - 54	96.1	36.2	75.9
55 - 59	90.4	14.4	69.4
60 - 64	62.6	8.3	50.5
65+	18.5	2.2	10.1
Al Dhafra Region	96.2	51.2	90.5
15 - 19	23.4	10.7	19.6
20 - 24	89.6	52.7	83.0
25 - 29	99.7	71.6	96.7
30 - 34	99.9	62.9	96.4
35 - 39	99.8	60.1	94.2
40 - 44	99.6	51.3	94.9
45 - 49	99.5	44.6	94.3
50 - 54	98.3	35.6	88.7
55 - 59	97.3	4.6	90.3
60 - 64	84.6	0.0	67.7
65+	27.7	0.4	14.9

Source: Statistics Centre - Abu Dhabi

5.1.7 Refined Participation Rate For Citizens by Region, Age Group and Gender, 2017

(%)

Age Group and Region	Males	Females	Total
Abu Dhabi Emirate	67.4	37.6	52.7
15 - 19	7.0	3.5	5.3
20 - 24	58.1	31.4	45.6
25 - 29	89.3	61.2	75.3
30 - 34	96.5	66.2	82.1
35 - 39	96.0	59.0	77.3
40 - 44	93.4	44.7	69.6
45 - 49	82.4	38.2	60.5
50 - 54	72.6	15.1	39.7
55 - 59	57.0	7.0	27.9
60 - 64	23.1	0.0	12.7
65+	4.8	1.0	2.9
Abu Dhabi Region	68.2	37.5	52.7
15 - 19	6.6	2.1	4.3
20 - 24	53.5	30.6	42.3
25 - 29	85.9	62.9	74.2
30 - 34	95.9	64.4	80.3
35 - 39	97.5	58.0	77.1
40 - 44	96.0	45.5	71.3
45 - 49	85.7	40.1	63.3
50 - 54	80.6	11.2	43.8
55 - 59	60.3	9.3	29.1
60 - 64	26.8	0.0	12.8
65+	5.3	1.9	3.7
Al Ain Region	65.7	37.9	51.8
15 - 19	6.7	5.6	6.1
20 - 24	63.5	31.1	48.7
25 - 29	92.7	58.8	75.3
30 - 34	96.6	70.8	84.2
35 - 39	93.6	60.1	76.4
40 - 44	90.2	42.7	66.0
45 - 49	76.5	37.6	56.3
50 - 54	62.4	19.7	34.8
55 - 59	50.4	4.1	23.8
60 - 64	18.3	0.0	11.4
65+	3.8	0.0	1.8
Al Dhafra Region	70.2	36.7	59.0
15 - 19	10.1	1.9	7.5
20 - 24	55.0	42.9	50.6
25 - 29	93.2	64.0	84.2
30 - 34	99.2	44.0	84.9
35 - 39	96.5	61.7	83.5
40 - 44	89.4	54.5	77.3
45 - 49	88.2	20.7	62.6
50 - 54	60.2	3.9	39.9
55 - 59	69.0	0.0	45.3
60 - 64	43.0	0.0	29.9
65+	8.1	0.7	4.5

Source: Statistics Centre - Abu Dhabi

5.1.8 Refined Participation Rate For Non-Citizens by Region, Age Group and Gender, 2017

(%)

Age Group and Region	Males	Females	Total
Abu Dhabi Emirate	93.5	64.6	84.4
15 - 19	15.2	13.8	14.7
20 - 24	84.4	66.6	77.9
25 - 29	98.3	78.6	91.1
30 - 34	99.5	74.8	91.5
35 - 39	99.5	71.9	91.2
40 - 44	99.5	66.6	90.0
45 - 49	99.6	61.0	90.3
50 - 54	98.7	44.4	86.4
55 - 59	98.9	26.0	81.1
60 - 64	86.8	17.5	71.3
65+	61.1	1.4	29.4
Abu Dhabi Region	93.2	64.5	83.4
15 - 19	12.3	15.3	13.5
20 - 24	84.0	65.7	77.1
25 - 29	98.1	77.3	89.8
30 - 34	99.7	74.6	90.9
35 - 39	99.6	71.5	90.3
40 - 44	99.7	66.5	89.2
45 - 49	99.8	65.2	90.3
50 - 54	97.9	44.3	85.7
55 - 59	100.0	27.3	78.6
60 - 64	89.7	17.5	71.0
65+	68.0	0.0	31.1
Al Ain Region	90.7	66.7	81.9
15 - 19	17.4	10.2	14.6
20 - 24	79.8	70.3	75.9
25 - 29	96.8	82.6	90.3
30 - 34	98.3	76.8	89.1
35 - 39	98.8	76.2	91.2
40 - 44	98.4	69.7	88.9
45 - 49	98.8	50.3	86.3
50 - 54	100.0	46.0	85.8
55 - 59	96.4	23.0	82.2
60 - 64	79.4	19.9	71.0
65+	44.1	6.1	24.7
Al Dhafra Region	97.6	54.6	92.9
15 - 19	28.4	14.3	24.3
20 - 24	93.6	56.4	87.9
25 - 29	100.0	73.0	97.4
30 - 34	100.0	65.7	97.0
35 - 39	99.9	59.8	94.8
40 - 44	100.0	50.6	95.8
45 - 49	99.8	48.9	95.5
50 - 54	99.8	39.7	91.2
55 - 59	99.3	7.9	94.8
60 - 64	97.0	0.0	81.3
65+	51.9	0.0	28.9

Source: Statistics Centre - Abu Dhabi

5.2. Employment

Labour force estimates indicate that the largest proportion (62.5%) of the employed population was in Abu Dhabi Region. The distribution by employment status revealed that the majority of employed persons in the Emirate of Abu Dhabi were paid employees (98.3%), while 1.2% were own-account workers. A distribution by educational attainment, indicates that the largest proportion (21.2%) of the employed population had less than primary education, followed by primary education (19.4%), Among citizen's, a bachelor's degree was most common (39.3%).

A classification by main occupation indicates that Elementary occupations had the largest percentage of the employed population with 25.6%, followed by Professionals with 17.1%. Among employed citizens, Professionals accounted for the largest share, making up 37.9% of this segment, while the largest share (28.0%) of employed non-citizens was in the Elementary occupations.

The largest proportion of the employed population was in the 'Activities of households as employers undifferentiated goods and services activity' with 25.1%, followed by Construction activity with 20.2%. 'Public administration and defense'; Compulsory Social security activities accounted for the largest proportion (60.2%) of employed citizens, while 'Activities of households as employers undifferentiated goods and services' activity accounted for the largest proportion (27.5%) of employed non-citizens.

As labour force data indicates, the private sector engaged the largest proportion (53.0%) of the employed population, while 16.3% worked for the government sector. As for employed citizen, 86.8% worked in the government sector and 5.5% in the private sector.

Labour Force Survey data also showed that the majority of the employed in the Emirate of Abu Dhabi are married (74.3%), while 24.0% of the employed never married. The survey data also showed that 57.8% of the total employed population in the Emirate of Abu Dhabi were working more than 48 hours per week.

5.2.1 Distribution of Employed Population Estimates (15 Years and Over) by Region, Age Group and Gender, 2017

(%)

Region and Age Group	Males	Females	Total
Abu Dhabi Emirate	100.0	100.0	100.0
15 - 19	0.5	1.2	0.7
20 - 24	8.0	10.3	8.5
25 - 29	17.0	24.1	18.6
30 - 34	21.1	24.1	21.8
35 - 39	17.7	17.9	17.8
40 - 44	13.6	12.0	13.2
45 - 49	9.7	6.2	8.9
50 - 54	6.3	2.7	5.4
55 - 59	4.0	1.1	3.3
60 - 64	1.9	0.3	1.5
65+	0.3	0.0	0.2
Abu Dhabi Region	100.0	100.0	100.0
15 - 19	0.4	1.3	0.6
20 - 24	8.3	9.9	8.7
25 - 29	16.4	23.8	18.3
30 - 34	20.8	23.8	21.6
35 - 39	17.7	17.7	17.7
40 - 44	13.8	12.5	13.5
45 - 49	9.6	6.9	8.9
50 - 54	6.4	2.4	5.4
55 - 59	4.0	1.3	3.3
60 - 64	2.2	0.4	1.7
65+	0.3	0.0	0.3
Al Ain Region	100.0	100.0	100.0
15 - 19	0.9	0.9	0.9
20 - 24	8.6	11.4	9.4
25 - 29	15.9	24.9	18.5
30 - 34	19.0	24.8	20.6
35 - 39	17.7	17.6	17.7
40 - 44	13.4	11.7	12.9
45 - 49	9.6	4.7	8.2
50 - 54	7.0	2.9	5.9
55 - 59	5.2	0.8	4.0
60 - 64	2.4	0.2	1.8
65+	0.3	0.1	0.2
Al Dhafra Region	100.0	100.0	100.0
15 - 19	0.4	1.4	0.5
20 - 24	6.1	9.1	6.3
25 - 29	20.0	22.4	20.2
30 - 34	24.4	25.6	24.5
35 - 39	17.9	24.3	18.3
40 - 44	13.1	6.8	12.7
45 - 49	10.0	4.9	9.7
50 - 54	5.0	5.4	5.1
55 - 59	2.6	0.2	2.5
60 - 64	0.4	0.0	0.3
65+	0.1	0.0	0.1

Source: Statistics Centre - Abu Dhabi

5.2.2 Distribution of Employed Population Estimates (15 Years and Over) by Citizenship, Work Status and Gender, 2017

(%)

Citizenship and Work Status	Males	Females	Total
Grand Total	100.0	100.0	100.0
Employer	1.5	0.2	1.2
Own-account worker	0.5	0.3	0.4
Paid employee	98.0	99.4	98.3
Family Employed for Pay or Profit	0.0	0.0	0.0
Unknown	0.0	0.0	0.0
Citizens	100.0	100.0	100.0
Employer	1.3	0.1	1.0
Own-account worker	0.5	0.3	0.5
Paid employee	98.0	99.5	98.5
Family Employed for Pay or Profit	0.0	0.0	0.0
Unknown	0.1	0.1	0.1
Non-Citizens	100.0	100.0	100.0
Employer	1.5	0.2	1.2
Own-account worker	0.5	0.3	0.4
Paid employee	98.0	99.4	98.3
Family Employed for Pay or Profit	0.0	0.0	0.0
Unknown	0.0	0.0	0.0

Source: Statistics Centre - Abu Dhabi

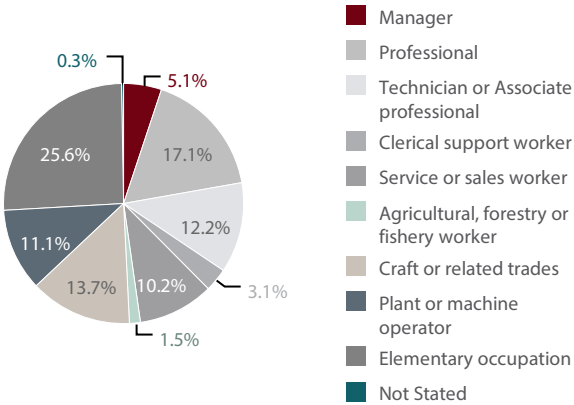
5.2.3 Distribution of Employed Population Estimates (15 Years and Over) by Citizenship, Educational Attainment and Gender, 2017

(%)

Citizenship and Educational Attainment	Males	Females	Total
Grand Total	100.0	100.0	100.0
Less than primary	17.4	33.6	21.2
Primary	19.7	18.5	19.4
Lower Secondary	20.5	13.6	18.9
Upper Secondary	12.3	9.8	11.7
Post-secondary	5.6	3.1	5.0
Bachelor or equivalent	19.6	17.9	19.2
Higher Education	5.0	3.4	4.6
Not Stated	0.0	0.1	0.0
Citizens	100.0	100.0	100.0
Less than primary	0.9	0.3	0.8
Primary	4.0	0.7	3.0
Lower Secondary	14.0	6.9	11.8
Upper Secondary	31.5	22.0	28.6
Post-secondary	6.6	9.8	7.6
Bachelor or equivalent	34.1	51.0	39.3
Higher Education	8.6	9.3	8.8
Not Stated	0.2	0.0	0.1
Non-Citizens	100.0	100.0	100.0
Less than primary	18.7	37.7	23.1
Primary	21.1	20.7	21.0
Lower Secondary	21.0	14.5	19.5
Upper Secondary	10.7	8.3	10.1
Post-secondary	5.5	2.3	4.8
Bachelor or equivalent	18.3	13.8	17.3
Higher Education	4.7	2.6	4.2
Not Stated	0.0	0.1	0.0

Source: Statistics Centre - Abu Dhabi

Figure 5.2.1 Percentage Distribution of Employed Population Estimates (15 Years and Over) by Main Occupation, 2017



Source: Statistics Centre - Abu Dhabi

5.2.4 Distribution of Employed Population Estimates (15 Years and Over) by Citizenship, Main Occupation and Gender, 2017

(%)

Citizenship and Main Occupation	Males	Females	Total
Grand Total	100.0	100.0	100.0
Manager	5.8	2.7	5.1
Professional	17.5	15.9	17.1
Technician or Associate professional	14.8	3.7	12.2
Clerical support worker	2.9	3.8	3.1
Service or sales worker	11.9	4.8	10.2
Agricultural, forestry or fishery worker	1.9	0.0	1.5
Craft or related trades	17.9	0.1	13.7
Plant or machine operator	14.3	0.7	11.1
Elementary occupation	12.6	68.2	25.6
Not Stated	0.3	0.2	0.3
Citizens	100.0	100.0	100.0
Manager	14.2	10.8	13.2
Professional	31.5	52.8	37.9
Technician or Associate professional	25.4	17.5	23.0
Clerical support worker	6.3	13.9	8.6
Service or sales worker	17.5	3.0	13.1
Agricultural, forestry or fishery worker	0.1	0.0	0.1
Craft or related trades	1.0	0.5	0.8
Plant or machine operator	1.6	0.3	1.2
Elementary occupation	0.0	0.1	0.0
Not Stated	2.4	1.2	2.0
Non-Citizens	100.0	100.0	100.0
Manager	5.1	1.7	4.4
Professional	16.3	11.4	15.2
Technician or Associate professional	13.9	2.0	11.2
Clerical support worker	2.7	2.5	2.6
Service or sales worker	11.4	5.0	9.9
Agricultural, forestry or fishery worker	2.1	0.0	1.6
Craft or related trades	19.4	0.1	14.9
Plant or machine operator	15.4	0.8	12.0
Elementary occupation	13.6	76.5	28.0
Not Stated	0.1	0.0	0.1

Source: Statistics Centre - Abu Dhabi

5.2.5 Distribution of Employed Population Estimates (15 Years and Over) by Citizenship, Main Occupation and Gender, Abu Dhabi Region, 2017

(%)

Citizenship and Main Occupation	Males	Females	Total
Grand Total	100.0	100.0	100.0
Manager	7.0	3.3	6.0
Professional	21.2	16.6	20.0
Technician or Associate professional	15.7	3.3	12.5
Clerical support worker	2.6	4.0	3.0
Service or sales worker	8.7	5.6	7.9
Agricultural, forestry or fishery worker	0.1	0.0	0.1
Craft or related trades	18.9	0.1	14.1
Plant or machine operator	12.6	0.7	9.5
Elementary occupation	12.8	66.3	26.6
Not Stated	0.4	0.2	0.3
Citizens	100.0	100.0	100.0
Manager	17.1	12.7	15.7
Professional	39.4	56.3	44.9
Technician or Associate professional	17.5	13.7	16.3
Clerical support worker	5.9	13.1	8.3
Service or sales worker	15.1	2.2	10.8
Agricultural, forestry or fishery worker	0.0	0.0	0.0
Craft or related trades	1.1	0.3	0.8
Plant or machine operator	1.0	0.0	0.7
Elementary occupation	0.0	0.0	0.0
Not Stated	2.9	1.8	2.5
Non-Citizens	100.0	100.0	100.0
Manager	6.2	2.3	5.2
Professional	19.8	12.4	18.0
Technician or Associate professional	15.6	2.2	12.2
Clerical support worker	2.4	3.1	2.5
Service or sales worker	8.2	6.0	7.7
Agricultural, forestry or fishery worker	0.1	0.0	0.1
Craft or related trades	20.2	0.0	15.1
Plant or machine operator	13.4	0.7	10.2
Elementary occupation	13.8	73.3	28.7
Not Stated	0.2	0.0	0.2

Source: Statistics Centre - Abu Dhabi

5.2.6 Distribution of Employed Population Estimates (15 Years and Over) by Citizenship, Main Occupation and Gender, Al Ain Region, 2017

(%)

Citizenship and Main Occupation	Males	Females	Total
Grand Total	100.0	100.0	100.0
Manager	4.0	1.6	3.3
Professional	15.3	14.7	15.1
Technician or Associate professional	13.4	4.1	10.7
Clerical support worker	2.8	3.3	2.9
Service or sales worker	10.9	2.5	8.5
Agricultural, forestry or fishery worker	4.0	0.0	2.8
Craft or related trades	16.1	0.2	11.5
Plant or machine operator	19.6	0.9	14.2
Elementary occupation	13.8	72.6	30.7
Not Stated	0.3	0.2	0.3
Citizens	100.0	100.0	100.0
Manager	9.2	7.9	8.8
Professional	23.3	50.4	31.1
Technician or Associate professional	34.7	21.3	30.9
Clerical support worker	5.2	13.9	7.7
Service or sales worker	22.2	4.4	17.1
Agricultural, forestry or fishery worker	0.2	0.0	0.2
Craft or related trades	0.8	0.8	0.8
Plant or machine operator	2.2	0.8	1.8
Elementary occupation	0.0	0.2	0.1
Not Stated	2.1	0.3	1.6
Non-Citizens	100.0	100.0	100.0
Manager	3.1	0.5	2.4
Professional	14.0	8.8	12.5
Technician or Associate professional	9.8	1.2	7.3
Clerical support worker	2.4	1.5	2.1
Service or sales worker	9.0	2.1	7.0
Agricultural, forestry or fishery worker	4.6	0.0	3.3
Craft or related trades	18.6	0.1	13.3
Plant or machine operator	22.5	0.9	16.3
Elementary occupation	16.1	84.6	35.8
Not Stated	0.0	0.1	0.1

Source: Statistics Centre - Abu Dhabi

5.2.7 Distribution of Employed Population Estimates (15 Years and Over) by Citizenship, Main Occupation and Gender, Al Dhafra Region, 2017

(%)

Citizenship and Main Occupation	Males	Females	Total
Grand Total	100.0	100.0	100.0
Manager	4.3	1.3	4.1
Professional	7.7	12.3	7.9
Technician or Associate professional	13.5	6.9	13.2
Clerical support worker	4.3	3.4	4.2
Service or sales worker	23.7	6.4	22.7
Agricultural, forestry or fishery worker	5.7	0.0	5.4
Craft or related trades	16.7	0.7	15.8
Plant or machine operator	13.9	0.5	13.1
Elementary occupation	10.2	68.4	13.6
Not Stated	0.0	0.0	0.0
Citizens	100.0	100.0	100.0
Manager	19.3	9.4	17.5
Professional	19.6	26.3	20.9
Technician or Associate professional	31.4	36.7	32.4
Clerical support worker	13.3	26.0	15.6
Service or sales worker	11.5	1.6	9.6
Agricultural, forestry or fishery worker	0.4	0.0	0.3
Craft or related trades	1.1	0.1	0.9
Plant or machine operator	2.6	0.0	2.1
Elementary occupation	0.0	0.0	0.0
Not Stated	0.9	0.0	0.7
Non-Citizens	100.0	100.0	100.0
Manager	3.7	0.1	3.5
Professional	7.2	10.2	7.4
Technician or Associate professional	12.9	2.5	12.3
Clerical support worker	4.0	0.0	3.7
Service or sales worker	24.1	7.2	23.2
Agricultural, forestry or fishery worker	5.9	0.0	5.6
Craft or related trades	17.3	0.8	16.5
Plant or machine operator	14.3	0.6	13.6
Elementary occupation	10.6	78.7	14.1
Not Stated	0.0	0.0	0.0

Source: Statistics Centre - Abu Dhabi

5.2.8 Distribution of Employed Population Estimates (15 Years and Over) by Economic Activity and Gender, 2017

(%)

Economic Activity	Males	Females	Total
Total	100.0	100.0	100.0
Agriculture, forestry & fishing	2.5	0.0	1.9
Mining and quarrying	3.8	1.1	3.1
Manufacturing	8.0	0.7	6.3
Electricity, gas, steam & air conditioning supply	1.0	0.4	0.9
Water supply; sewerage, waste management & remediation activities	0.3	0.1	0.2
Construction	26.3	0.5	20.2
Wholesale & retail trade repair of motor vehicles and motorcycles	4.8	1.5	4.0
Transportation & storage	4.8	1.3	3.9
Accommodation & food service activities	7.6	0.3	5.9
Information & communication	1.1	0.6	1.0
Financial & insurance activities	3.0	1.6	2.7
Real estate activities	1.1	0.5	1.0
Professional, scientific & technical activities	3.4	2.5	3.2
Administrative & support service activities	5.6	0.9	4.5
Public administration & defence; compulsory social security	8.4	6.0	7.9
Education	2.1	6.7	3.2
Human health & social work activities	2.0	4.3	2.5
Arts, entertainment & recreation	0.6	0.6	0.6
Other service activities	2.0	0.8	1.7
Activities of households as employers undifferentiated goods & services	11.5	69.6	25.1
Activities of extraterritorial organizations & bodies	0.2	0.0	0.1
Not Stated	0.0	0.1	0.0

Source: Statistics Centre - Abu Dhabi

5.2.9 Distribution of Citizens Employed Population Estimate (15 Years and Over) by Economic Activity and Gender, 2017

(%)

Economic Activity	Males	Females	Total
Total	100.0	100.0	100.0
Agriculture, forestry & fishing	0.2	0.1	0.2
Mining and quarrying	11.5	7.2	10.2
Manufacturing	3.7	2.1	3.2
Electricity, gas, steam & air conditioning supply	1.9	2.3	2.0
Water supply; sewerage, waste management & remediation activities	0.5	0.8	0.6
Construction	0.8	0.4	0.7
Wholesale & retail trade repair of motor vehicles and motorcycles	2.7	1.7	2.4
Transportation & storage	2.0	5.0	2.9
Accommodation & food service activities	0.2	0.2	0.2
Information & communication	0.9	1.5	1.1
Financial & insurance activities	1.5	5.9	2.9
Real estate activities	0.6	0.6	0.6
Professional, scientific & technical activities	0.5	0.9	0.6
Administrative & support service activities	0.9	1.2	1.0
Public administration & defence; compulsory social security	67.7	42.9	60.2
Education	1.9	15.9	6.1
Human health & social work activities	1.0	8.6	3.3
Arts, entertainment & recreation	0.4	0.9	0.6
Other service activities	0.5	1.2	0.7
Activities of households as employers undifferentiated goods & services	0.0	0.1	0.0
Activities of extraterritorial organizations & bodies	0.0	0.0	0.0
Not Stated	0.4	0.6	0.4

Source: Statistics Centre - Abu Dhabi

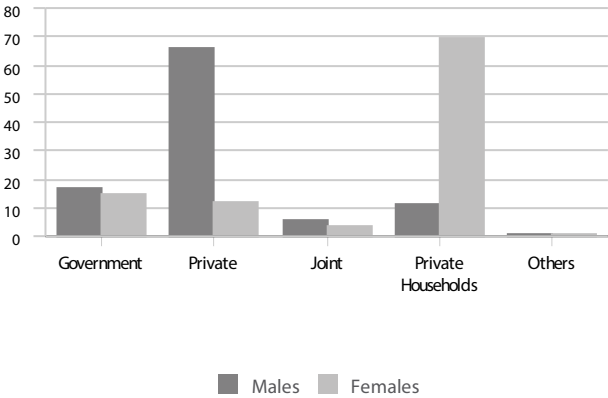
5.2.10 Distribution of Non-Citizens Employed Population Estimates (15 Years and Over) by Economic Activity and Gender, 2017

(%)

Economic Activity	Males	Females	Total
Total	100.0	100.0	100.0
Agriculture, forestry & fishing	2.7	0.0	2.0
Mining and quarrying	3.1	0.3	2.5
Manufacturing	8.3	0.5	6.5
Electricity, gas, steam & air conditioning supply	1.0	0.1	0.8
Water supply; sewerage, waste management & remediation activities	0.3	0.0	0.2
Construction	28.4	0.5	22.0
Wholesale & retail trade repair of motor vehicles and motorcycles	5.0	1.5	4.2
Transportation & storage	5.0	0.8	4.0
Accommodation & food service activities	8.2	0.4	6.4
Information & communication	1.1	0.5	0.9
Financial & insurance activities	3.1	1.1	2.6
Real estate activities	1.2	0.5	1.0
Professional, scientific & technical activities	3.6	2.7	3.4
Administrative & support service activities	6.0	0.9	4.8
Public administration & defence; compulsory social security	3.4	1.5	3.0
Education	2.1	5.5	2.9
Human health & social work activities	2.0	3.8	2.4
Arts, entertainment & recreation	0.6	0.6	0.6
Other service activities	2.1	0.8	1.8
Activities of households as employers undifferentiated goods & services	12.5	78.1	27.5
Activities of extraterritorial organizations & bodies	0.2	0.0	0.1
Not Stated	0.0	0.0	0.0

Source: Statistics Centre - Abu Dhabi

Figure 5.2.2 Distribution of Employed Population Estimates (15 Years and Over) by Work Sector and Gender, 2017



Source: Statistics Centre - Abu Dhabi

5.2.11 Distribution of Employed Population Estimates (15 Years and Over) by Citizenship, Work Sector and Gender, 2017

(%)

Citizenship and Work Sector	Males	Females	Total
Grand Total	100.0	100.0	100.0
Government	16.8	14.5	16.3
Private	65.6	12.0	53.0
Joint (Gov. and Private)	5.5	3.5	5.0
Foreign	0.4	0.2	0.4
Diplomatic	0.1	0.0	0.1
Non-Profit Organization	0.1	0.0	0.1
Without Establishment	0.2	0.2	0.2
Private Households	11.2	69.6	24.9
Others	0.0	0.0	0.0
Not Stated	0.0	0.0	0.0
Citizens	100.0	100.0	100.0
Government	88.2	83.6	86.8
Private	5.1	6.4	5.5
Joint (Gov. and Private)	6.3	8.2	6.9
Foreign	0.2	0.7	0.3
Diplomatic	0.0	0.0	0.0
Non-Profit Organization	0.0	0.5	0.2
Without Establishment	0.1	0.2	0.1
Private Households	0.0	0.1	0.1
Others	0.0	0.0	0.0
Not Stated	0.1	0.3	0.2
Non-Citizens	100.0	100.0	100.0
Government	10.8	6.0	9.7
Private	70.7	12.6	57.4
Joint (Gov. and Private)	5.5	2.9	4.9
Foreign	0.4	0.2	0.4
Diplomatic	0.1	0.0	0.1
Non-Profit Organization	0.1	0.0	0.1
Without Establishment	0.2	0.2	0.2
Private Households	12.1	78.1	27.2
Others	0.0	0.0	0.0
Not Stated	0.0	0.0	0.0

Source: Statistics Centre - Abu Dhabi

5.2.12 Distribution of Employed Population Estimates (15 Years and Over) by Citizenship, Work Sector and Gender, Abu Dhabi Region, 2017

(%)

Citizenship and Work Sector	Males	Females	Total
Grand Total	100.0	100.0	100.0
Government	14.8	13.9	14.6
Private	67.0	13.3	53.1
Joint (Gov. and Private)	7.4	4.8	6.7
Foreign	0.6	0.3	0.5
Diplomatic	0.2	0.0	0.1
Non-Profit Organization	0.1	0.0	0.1
Without Establishment	0.1	0.0	0.1
Private Households	9.8	67.6	24.7
Others	0.0	0.0	0.0
Not Stated	0.0	0.0	0.0
Citizens	100.0	100.0	100.0
Government	84.9	79.9	83.3
Private	7.1	7.2	7.1
Joint (Gov. and Private)	7.4	10.7	8.5
Foreign	0.2	1.2	0.5
Diplomatic	0.0	0.0	0.0
Non-Profit Organization	0.0	0.5	0.2
Without Establishment	0.2	0.0	0.1
Private Households	0.0	0.0	0.0
Others	0.0	0.0	0.0
Not Stated	0.2	0.5	0.3
Non-Citizens	100.0	100.0	100.0
Government	9.8	7.0	9.1
Private	71.3	13.9	56.8
Joint (Gov. and Private)	7.4	4.2	6.6
Foreign	0.6	0.2	0.5
Diplomatic	0.2	0.0	0.2
Non-Profit Organization	0.1	0.0	0.1
Without Establishment	0.1	0.0	0.1
Private Households	10.5	74.7	26.6
Others	0.0	0.0	0.0
Not Stated	0.0	0.0	0.0

Source: Statistics Centre - Abu Dhabi

5.2.13 Distribution of Employed Population Estimates (15 Years and Over) by Citizenship, Work Sector and Gender, Al Ain Region, 2017

(%)

Citizenship and Work Sector	Males	Females	Total
Grand Total	100.0	100.0	100.0
Government	24.3	15.0	21.6
Private	52.5	9.7	40.2
Joint (Gov. and Private)	1.5	0.6	1.2
Foreign	0.2	0.1	0.2
Diplomatic	0.0	0.0	0.0
Non-Profit Organization	0.1	0.1	0.1
Without Establishment	0.6	0.7	0.6
Private Households	20.8	73.8	36.1
Others	0.1	0.0	0.0
Not Stated	0.0	0.0	0.0
Citizens	100.0	100.0	100.0
Government	94.7	88.9	93.0
Private	2.9	5.9	3.8
Joint (Gov. and Private)	2.0	4.0	2.6
Foreign	0.2	0.0	0.1
Diplomatic	0.0	0.0	0.0
Non-Profit Organization	0.0	0.4	0.1
Without Establishment	0.1	0.4	0.2
Private Households	0.0	0.4	0.1
Others	0.0	0.0	0.0
Not Stated	0.1	0.0	0.1
Non-Citizens	100.0	100.0	100.0
Government	12.6	2.7	9.7
Private	60.7	10.4	46.2
Joint (Gov. and Private)	1.4	0.0	1.0
Foreign	0.2	0.1	0.2
Diplomatic	0.0	0.0	0.0
Non-Profit Organization	0.1	0.0	0.1
Without Establishment	0.6	0.7	0.7
Private Households	24.3	86.0	42.1
Others	0.1	0.0	0.1
Not Stated	0.0	0.0	0.0

Source: Statistics Centre - Abu Dhabi

5.2.14 Distribution of Employed Population Estimates (15 Years and Over) by Citizenship, Work Sector and Gender, Al Dhafra Region, 2017

(%)

Citizenship and Work Sector	Males	Females	Total
Grand Total	100.0	100.0	100.0
Government	14.6	21.1	15.0
Private	76.5	3.8	72.3
Joint (Gov. and Private)	3.9	1.4	3.8
Foreign	0.1	0.0	0.1
Diplomatic	0.0	0.0	0.0
Non-Profit Organization	0.0	0.1	0.0
Without Establishment	0.0	0.1	0.0
Private Households	4.8	73.5	8.8
Others	0.0	0.0	0.0
Not Stated	0.0	0.0	0.0
Citizens	100.0	100.0	100.0
Government	77.9	90.1	80.2
Private	2.6	0.2	2.1
Joint (Gov. and Private)	19.3	8.9	17.4
Foreign	0.0	0.0	0.0
Diplomatic	0.0	0.0	0.0
Non-Profit Organization	0.0	0.6	0.1
Without Establishment	0.0	0.1	0.0
Private Households	0.2	0.0	0.2
Others	0.0	0.0	0.0
Not Stated	0.0	0.0	0.0
Non-Citizens	100.0	100.0	100.0
Government	12.3	10.7	12.2
Private	79.3	4.4	75.3
Joint (Gov. and Private)	3.3	0.2	3.2
Foreign	0.1	0.0	0.1
Diplomatic	0.0	0.0	0.0
Non-Profit Organization	0.0	0.0	0.0
Without Establishment	0.0	0.1	0.0
Private Households	5.0	84.6	9.1
Others	0.0	0.0	0.0
Not Stated	0.0	0.0	0.0

Source: Statistics Centre - Abu Dhabi

5.2.15 Distribution of Employed Population Estimates (15 Years and Over) by Citizenship, Marital Status and Gender, 2017

(%)

Citizenship and Marital Status	Males	Females	Total
Grand Total	100.0	100.0	100.0
Never Married	20.5	35.6	24.0
Married	79.1	58.8	74.3
Divorced	0.3	4.4	1.3
Widowed	0.0	1.2	0.3
Citizens	100.0	100.0	100.0
Never Married	23.5	34.1	26.7
Married	74.5	57.9	69.5
Divorced	2.1	6.5	3.4
Widowed	0.0	1.5	0.4
Non-Citizens	100.0	100.0	100.0
Never Married	20.2	35.8	23.8
Married	79.5	58.9	74.8
Divorced	0.2	4.2	1.1
Widowed	0.0	1.2	0.3

Source: Statistics Centre - Abu Dhabi

5.2.16 Distribution of Employed Population Estimates (15 Years and Over) by Citizenship, Actual Weekly Working Hours and Gender, 2017

(%)

Citizenship and Actual Weekly Working Hours	Males	Females	Total
Grand Total	100.0	100.0	100.0
0*	0.5	0.5	0.5
1-20	0.8	0.4	0.7
21 -40	20.7	19.7	20.4
41 - 48	24.3	7.7	20.4
49+	53.5	71.5	57.8
Not Stated	0.2	0.3	0.2
Citizens	100.0	100.0	100.0
0*	4.8	1.3	3.8
1-20	0.8	0.9	0.8
21 -40	71.9	80.2	74.4
41 - 48	14.0	14.3	14.1
49+	7.6	3.1	6.3
Not Stated	0.9	0.3	0.7
Non-Citizens	100.0	100.0	100.0
0*	0.2	0.4	0.2
1-20	0.7	0.3	0.6
21 -40	16.4	12.2	15.4
41 - 48	25.1	6.9	21.0
49+	57.4	79.9	62.5
Not Stated	0.2	0.3	0.2

Source: Statistics Centre - Abu Dhabi

* 0: Employed Persons who were absent from a work during the previous seven days.

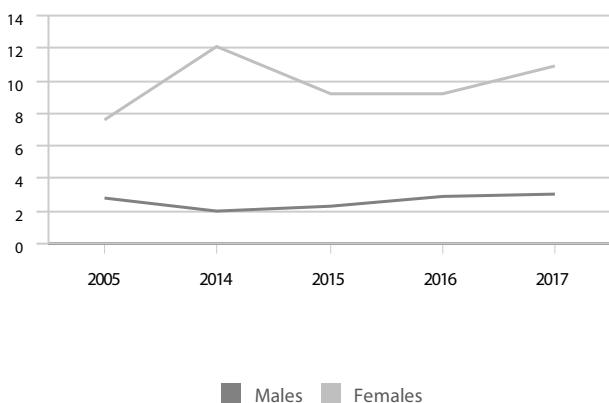
5.3 Unemployment

The unemployment rate in 2017 was about 5.0%, Increase from 4.4% according to 2016 estimates.

The 25 to 29 years age group accounted for the largest proportion of the unemployed persons (24.9%). Data shows female unemployment rate in 2017 was higher than that of male, averaging 10.9%. A distribution by educational attainment reveals that the majority of the unemployed (39.4%), hold an bachelor's degree, followed by upper secondary education 33.1%, while those with an educational attainment less than primary made up the lowest percentage (2.2%) of the unemployed.

As the survey results indicate, 48.8% of the unemployed in the Emirate of Abu Dhabi are married, while 47.9% of them never married.

Figure 5.3.1 Unemployment Rate by Gender and Years



Source: Ministry of Economy, Department of Economic Development and Statistics Centre - Abu Dhabi

5.3.1 Unemployment Rate by Gender and Years

(%)

Gender	2005	2014*	2015*	2016*	2017*
Grand Total	3.5	3.4	3.7	4.4	5.0
Males	2.8	2.0	2.3	2.9	3.0
Females	7.6	12.1	9.2	9.2	10.9

Source: Statistics Centre - Abu Dhabi

* Estimated from Labour Force Survey, 2014, 2015, 2016 and 2017

5.3.2 Distribution of Unemployed Population Estimates (15 Years and Over) by Age Group and Gender, 2017

(%)

Age Group	Males	Females	Total
Total	100.0	100.0	100.0
15 - 19	11.5	2.2	6.4
20 - 24	24.6	21.2	22.7
25 - 29	21.3	27.9	24.9
30 - 34	10.1	20.2	15.6
35 - 39	11.4	15.4	13.6
40 - 44	5.9	5.7	5.8
45 - 49	6.1	4.6	5.3
50 - 54	5.1	2.0	3.4
55 - 59	2.2	0.7	1.4
60 - 64	1.4	0.0	0.6
65+	0.6	0.0	0.3

Source: Statistics Centre - Abu Dhabi

5.3.3 Distribution of Unemployed Population Estimates (15 Years and Over) by Educational attainment and Gender, 2017

(%)

Educational attainment	Males	Females	Total
Grand Total	100.0	100.0	100.0
Less than primary	4.3	0.4	2.2
Primary	4.4	2.7	3.5
Lower Secondary	8.1	11.9	10.2
Upper Secondary	42.8	25.1	33.1
Post-secondary	5.4	6.1	5.8
Bachelor or equivalent	30.5	46.8	39.4
Higher Education	4.6	7.0	5.9

Source: Statistics Centre - Abu Dhabi

5.3.4 Distribution of Unemployed Population Estimate (15 Years and Over) by Marital Status and Gender, 2017

(%)

Marital Status	Males	Females	Total
Grand Total	100.0	100.0	100.0
Never Married	62.0	36.2	47.9
Married	37.3	58.4	48.8
Divorced	0.6	5.0	3.0
Widowed	0.0	0.4	0.2

Source: Statistics Centre - Abu Dhabi

5.4 Outside Labour Force Population and Economic Dependency Ratio

As estimates indicate, the economic dependency ratio in Abu Dhabi Emirate was 51.2 dependents per 100 in the labour force for the total population, 28.0 for males and 120.4 for females. 20.2% of the total population aged 15 years and over were Outside Labour Force in year 2017, of which most were individuals engaged in household duties or students.

5.4.1 Economic Dependency Ratio by Citizenship, Region and Gender, 2017

(per 100 in the labour force)

Citizenship and Region	Males	Females	Total
Grand Total	28.0	120.4	51.2
Abu Dhabi Region	28.0	112.1	50.8
Al Ain Region	43.8	133.9	71.5
Al Dhafra Region	9.4	162.5	20.2
Citizens	142.0	325.6	206.8
Abu Dhabi Region	143.4	321.1	207.5
Al Ain Region	150.0	329.2	215.5
Al Dhafra Region	96.7	349.7	149.6
Non- Citizens	17.8	88.5	34.7
Abu Dhabi Region	19.1	86.7	36.9
Al Ain Region	24.9	86.4	43.1
Al Dhafra Region	5.8	133.3	14.0

Source: Statistics Centre - Abu Dhabi

5.4.2 Distribution of Outside Labour Force Population Estimates (15 Years and Over) by Economic Inactive Status and Gender, 2017

(%)

Economic Inactive Status	Males	Females	Total
Total	100.0	100.0	100.0
Household duties	0.0	57.6	39.8
Student	71.5	24.6	39.0
Unable to work	8.5	2.8	4.6
Retired	9.7	0.5	3.4
Over 65 of Age and Doesn't Work	2.7	2.5	2.5
Independent income	1.3	0.8	0.9
Social Circumstances	1.1	4.4	3.4
Unwilling to work	1.4	3.3	2.7
Didn't Find suitable Work	2.3	3.1	2.9
Others	1.5	0.4	0.7

Source: Statistics Centre - Abu Dhabi

5.4.3 Distribution of Outside Labour Force Population Estimates (15 Years and Over) by Citizenship, Age Group and Gender, 2017

(%)

Citizenship and Age Group	Males	Females	Total
Grand Total	100.0	100.0	100.0
15 - 19	53.7	17.3	28.5
20 - 24	20.6	11.9	14.6
25 - 29	4.4	11.2	9.1
30 - 34	1.5	12.3	9.0
35 - 39	1.4	11.1	8.1
40 - 44	1.3	9.7	7.1
45 - 49	1.5	6.6	5.1
50 - 54	1.9	6.3	5.0
55 - 59	2.0	6.1	4.8
60 - 64	5.9	3.6	4.3
65 +	5.7	3.9	4.5
Citizens	100.0	100.0	100.0
15 - 19	41.6	22.2	28.9
20 - 24	19.2	14.8	16.3
25 - 29	4.6	8.9	7.4
30 - 34	1.6	7.4	5.4
35 - 39	1.6	8.6	6.2
40 - 44	1.9	8.0	5.8
45 - 49	3.1	5.8	4.8
50 - 54	3.1	6.8	5.5
55 - 59	4.2	6.9	5.9
60 - 64	8.6	4.9	6.2
65 +	10.6	5.8	7.5
Non-citizens	100.0	100.0	100.0
15 - 19	61.3	15.0	28.3
20 - 24	21.4	10.5	13.7
25 - 29	4.2	12.3	10.0
30 - 34	1.5	14.5	10.8
35 - 39	1.3	12.2	9.1
40 - 44	1.0	10.5	7.7
45 - 49	0.5	7.1	5.2
50 - 54	1.2	6.1	4.7
55 - 59	0.7	5.7	4.2
60 - 64	4.2	3.1	3.4
65 +	2.6	3.1	2.9

Source: Statistics Centre - Abu Dhabi

6. Agriculture and Environment

- Agriculture
- Environment
- Energy and Water

6. Agriculture and Environment

This section presents detailed statistics about agriculture, environment and energy providing major developments in these areas, thus helping to depict a true picture about the state of sustainable development in the Emirate

2017

Agriculture

Total number of holdings (plant holdings)	24,018
Total agriculture area (donums)	749,868
Crop area of field crops (donums)	62,575
Crop area of vegetables (donums)	20,311
Crop area of fruit trees (donums)	272,322
Number of sheep and goats	3,094,571
Number of cattle in traditional holdings	41,959
Number of cattle in commercial farms	20,510
Number of camels	408,470
Number of commercial farms	32
Broiler - chicken meat production (tons)	23,733
Egg production (thousand eggs)	435,493
Milk production of commercial farms (tons)	114,260
Quantity of fish caught (tons)	4,740
Value of fish caught (thousand AED)	121,069
Exported agricultural goods (thousand AED)	1,051,358
Re - exported agricultural goods (thousand AED)	582,909

Environment

Average minimum temperature (C)	22.9
Average maximum temperature (C)	35.0
Average minimum relative humidity (%)	27.9
Average maximum relative humidity (%)	75.9
Average rainfall in millimeters	81.4
Average atmospheric pressure (hPA)	1009.6
% of change in CO2 emissions - oil and gas sector	5%
% of change in CO2 emissions - water and electricity production sector (%)	2.2%
Total non-conventional water resources (MCM)	1295.5
Quantity of treated wastewater (MCM)	310.7
Total amount of waste generated (tons)	9,477,037

Daily average of waste generated (tons)	25,964
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Energy and Water

Annual production of crude oil (thousand barrels)	1,081,743
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Annual exports of crude oil (thousand barrels)	876,260
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Annual production of natural gas (million cubic feet)	3,096,178
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Total exports of liquefied natural gas products(thousand metric tons)	26,845
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Total of available electric power (MWH)	71,504,164
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Electricity consumption per capita(MWH)	20.8
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Total of available desalinated water(Million Imperial Gallons)	244,664
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The average per capita daily consumption (gallons)	229
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Quantity of electricity generated from renewable energy (MWH)	271,704
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6.1. Agriculture

Agriculture is of key importance in the achievement of food security and represents a central activity for related economic activities. Abu Dhabi Emirate has made vast strides in the field of agriculture, setting a worldwide example in overcoming the dry conditions of the desert and converting its arid terrain into green farms producing a variety of vegetables and fruits for the consumer market.

Over the course of the past four decade, the number of plant holdings increased 38-folds from 634 in 1971 to 24,018 in 2017. Meanwhile the size of arable land expanded by 33-fold from 22,377 donum to 749,868 donum during the same period.

Thanks to the wise policies of the emirate's government, Abu Dhabi managed to overcome with tough arid conditions and high temperatures and establish a successful agricultural sector that reflects the emirate's ambitious pursuit of sustainable development. The agricultural sector now manifests one of the aspects of social and economic development Abu Dhabi is currently experiencing in various fields.

Economic development is affected by all economic activities, including agricultural activity, which is a cornerstone for achieving the objectives of the overall development. Agricultural sector is one of the key productive sectors and a major component of GDP, in addition to being the main supplier of food commodities and raw materials for many of the food industry in the Emirate. It is of crucial importance, therefore, to have an extensive and accurate database of agricultural statistics to support fact-based planning in this area of economic activity.

The Statistical Yearbook includes quantitative and qualitative statistics intended to support planning and decision-making. The book includes data on the numbers of farms, size of agricultural area, indicators of crop area and agricultural production quantities and values.

The total number of sheep and goats in the Emirate of Abu Dhabi totalled 3 million heads, with the majority of them (66%) in Al Ain. Meanwhile, the total number of camels was 408,470 heads, mostly (60%) in Al Ain.

The statistical Yearbook present data on the commercial farms specialized in the production of poultry meat (broilers), table eggs, cow milk in the Emirate of Abu Dhabi, which supply large quantities of food, with poultry meat production amounting to 23,733 tons, while layers' farms produced 435.5 million eggs, and dairy farms 114 thousand tons of cow's milk in 2017.

Plant Production

Plant production statistics provide data on the changes taking place in this activity, which vary from one season to another. The area of fruits tree in 2017 forms 36%, followed by the area of field crops at 8%, and finally the area of vegetable crops at 3% of the total plant holdings area. Plant production statistics give an insight into the present levels of surplus or shortage, thereby enabling the formulation of policies on foreign trade in agriculture products to plan export and import quantities and develop plans in a way that would reduce shortage or surplus in field crops.

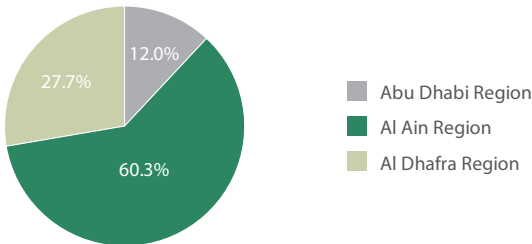
6.1.1 Number and Area of Plant Holdings by Region

(Donums)

Region	2010	2015	2016	2017
Total				
Number	24,290	24,018	24,018	24,018
Area	747,679	749,868	749,868	749,868
Abu Dhabi Region				
Number	3,837	3,605	3,605	3,605
Area	95,483	89,679	89,679	89,679
Al Ain Region				
Number	11,894	11,921	11,921	11,921
Area	441,637	452,503	452,503	452,503
Al Dhafra Region				
Number	8,559	8,492	8,492	8,492
Area	210,559	207,686	207,686	207,686

Source: Abu Dhabi Food Control Authority

Figure 6.1.1 Percentage Distribution of Plant Holdings Area by Region, 2017



Source: Statistics Centre - Abu Dhabi

6.1.2 Number of Farms by Area Category and Region, 2017

Area category	Total	Abu Dhabi Region	Al Ain Region	Al Dhafra Region
Total	24,018	3,605	11,921	8,492
Less than 20 Donum	4,490	592	636	3,262
20-29 Donum	6,450	2,876	1,230	2,344
30 - 39 Donum	9,774	73	9,286	415
40 - 49 Donum	2,661	38	259	2,364
50 -59 Donum	172	7	129	36
More than 60 Donum	471	19	381	71

Source: Abu Dhabi Food Control Authority

6.1.3 Area of Farms by Area Category and Region, 2017

(Donums)

Area category	Total	Abu Dhabi Region	Al Ain Region	Al Dhafra Region
Total	749,868	89,679	452,503	207,686
Less than 20 Donum	49,476	9,528	8,697	31,251
20-29 Donum	159,733	73,763	31,073	54,897
30 - 39 Donum	327,690	2,496	311,082	14,112
40 - 49 Donum	107,958	1,619	11,327	95,012
50 -59 Donum	9,424	380	7,069	1,975
More than 60 Donum	95,588	1,893	83,255	10,440

Source: Abu Dhabi Food Control Authority

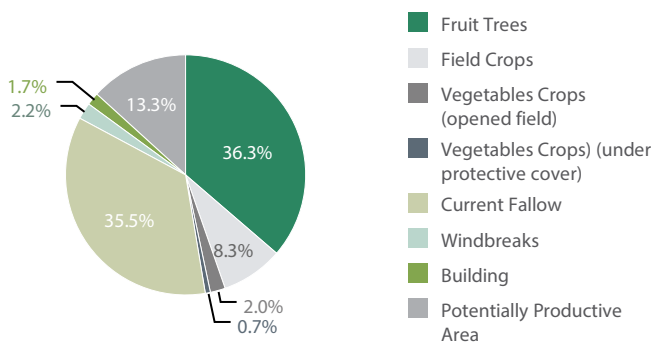
6.1.4 Area of Plant Holdings by Land Use and Region, 2017

(Donums)

Item	Total	Abu Dhabi Region	Al Ain Region	Al Dhafra Region
Total area of holdings	749,868	89,679	452,503	207,686
Fruit Trees	272,322	23,175	145,779	103,368
Field Crops	62,575	4,981	46,784	10,810
Vegetables Crops (opened field)	15,193	4,344	8,152	2,697
Vegetables Crops) (under protective cover)	5,118	611	2,939	1,568
Current Fallow	265,875	29,956	169,424	66,494
Windbreaks	16,701	4,664	4,762	7,275
Building	12,725	1,498	7,662	3,565
Potentially Productive Area	99,359	20,448	67,001	11,910

Source: Abu Dhabi Food Control Authority

Figure 6.1.2 Percentage Distribution of Plant Holdings Area by Land Use, 2017



Source: Statistics Centre - Abu Dhabi

6.1.5 Crop Area of Field Crops by Region

(Donums)

Region	2010	2015	2016	2017
Total	231,919	48,177	60,208	62,575
Abu Dhabi Region	33,708	3,540	6,328	4,981
Al Ain Region	134,734	38,270	43,479	46,784
Al Dhafra Region	63,477	6,367	10,401	10,810

Source: Abu Dhabi Food Control Authority

6.1.6 Quantity of Production of Field Crops by Region

(Tons)

Region	2010	2015	2016	2017
Total	1,041,325	148,195	225,342	234,230
Abu Dhabi Region	153,663	11,828	24,957	16,381
Al Ain Region	667,801	114,411	147,689	163,056
Al Dhafra Region	219,861	21,956	52,696	54,793

Source: Abu Dhabi Food Control Authority

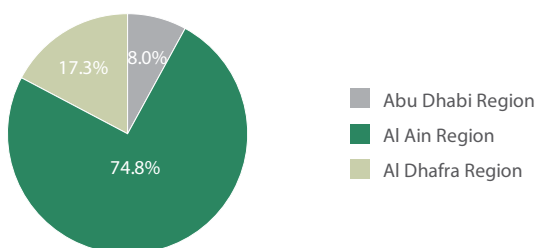
6.1.7 Value of Field Crops by Region

(Thousand AED)

Region	2010	2015	2016	2017
Total	1,699,723	222,687	409,040	325,654
Abu Dhabi Region	250,819	17,355	48,815	30,254
Al Ain Region	1,090,031	169,824	262,642	193,930
Al Dhafra Region	358,873	35,508	97,583	101,470

Source: Abu Dhabi Food Control Authority

Figure 6.1.3 Percentage Distribution of Area Cultivated with Field Crops by Region, 2017



Source: Statistics Centre - Abu Dhabi

6.1.8 Quantity of Production, Cultivated area, and Average Yield of Vegetables by Type, 2017

Type	Production(Tons)	Crop area(Donums)	Average yield (Tons/Domum)
Total	95,619.5	23,423.3	4.1
Potato	358.6	143.4	2.5
Cabbage	5,602.2	933.7	6.0
Hot Pepper	194.4	209.6	0.9
Sweet Pepper	2,398.4	909.8	2.6
Marrow	6,347.8	2,724.9	2.3
Egg Plant	3,450.2	1,087.0	3.2
Cucumber	33,643.6	5,763.1	5.8
Tomato	23,873.8	4,100.2	5.8
Water Melon	131.4	47.0	2.8
Sweet Melon	356.5	101.9	3.5
Lettuce	123.1	138.7	0.9
Onion	1,495.6	499.9	3.0
Parsley	1,090.1	680.1	1.6
Beans	375.1	439.3	0.9
Beets	225.4	128.8	1.8
Carrot	52.2	29.8	1.8
Cauliflower	1,074.2	307.0	3.5
Pumpkin	912.5	332.1	2.7
Coriander	187.7	183.0	1.0
Mallow	51.0	125.2	0.4
Okra	84.5	140.7	0.6
Radish	149.5	80.8	1.9
Sweet Corn	13,225.4	4,141.1	3.2
Garden Rocket	129.6	61.6	2.1
Turnip	37.0	21.3	1.7
Broccoli	49.7	93.5	0.5

Source: Abu Dhabi Food Control Authority

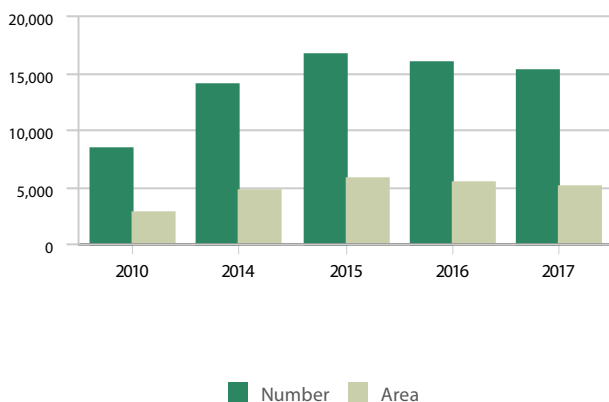
6.1.9 Number and Area of Greenhouses

(Area: Donums)

Item	2010	2015	2016	2017
Number	8,363	16,715	16,037	15,340
Area	2,825	5,824	5,504	5,118

Source: Abu Dhabi Food Control Authority

Figure 6.1.4 Number and Area of Greenhouses (Area in Donums)



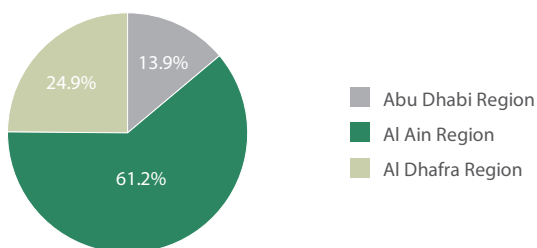
Source: Abu Dhabi Food Control Authority

6.1.10 Number of Greenhouses by Region

Region	2014	2015	2016	2017
Total	14,057	16,715	16,037	15,340
Abu Dhabi Region	1,337	2,105	2,227	2,130
Al Ain Region	9,027	10,390	9,821	9,394
Al Dhafra Region	3,693	4,220	3,989	3,816

Source: Abu Dhabi Food Control Authority

Figure 6.1.5 Percentage distribution of the number of greenhouse by region, 2017



Source: Statistics Centre - Abu Dhabi

6.1.11 Quantity of Dates Received from ALFOAH Company by Region

Quantity: Tons

Region	2010	2015	2016	2017
Total	72,900	93,075	96,037	89,938
Abu Dhabi Region	5,175	8,103	5,745	5,464
Al Ain Region	45,660	53,839	55,706	52,869
Al Dhafra Region	22,065	31,133	34,586	31,605

Source: Al Foah Company

* Quantity received by Al Foah company

6.1.12 Value of Dates Received from ALFOHAH Company by Region

Value : Thousand AED

Region	2010	2015	2016	2017
Total	439,873	579,282	600,148	489,689
Abu Dhabi Region	33,109	45,006	25,882	24,376
Al Ain Region	265,596	320,580	341,631	282,469
Al Dhafra Region	141,168	213,696	232,636	182,844

Source: Al Foah Company

* Value received by Al Foah company

6.1.13 Number and Area of Windbreak Trees by Region, 2017

(Area: Donums)

Region	Number	Area
Total	1,154,739	16,701
Abu Dhabi Region	358,245	4,664
Al Ain Region	403,374	4,762
Al Dhafra Region	393,120	7,275

Source: Abu Dhabi Food Control Authority

6.1.14 Quantity and Value of Agricultural Products Supplied to the Agriculture Marketing Centre

(Quantity in tons, value in thousand AED)

Product	2017	
	Quantity	Value
Total	95,619.5	275,197.0
Potato	358.6	782.7
Cabbage	5,602.2	7,800.0
Hot Pepper	194.4	942.7
Sweet Pepper	2,398.4	11,401.6
Marrow	6,347.8	23,003.0
Egg Plant	3,450.2	6,729.6
Cucumber	33,643.6	97,647.0
Tomato	23,873.8	69,157.9
Water Melon	131.4	302.9
Sweet Melon	356.5	934.5
Lettuce	123.1	565.3
Onion	1,495.6	3,283.3
Parsley	1,090.1	6,026.8
Beans	375.1	1,450.5
Beets	225.4	745.5
Carrot	52.2	166.8
Cauliflower	1,074.2	2,785.2
Pumpkin	912.5	4,720.4
Coriander	187.7	1,030.7
Mallow	51.0	246.2
Okra	84.5	447.9
Radish	149.5	798.3
Sweet Corn	13,225.4	32,943.2
Garden Rocket	129.6	811.1
Turnip	37.0	141.9
Broccoli	49.7	332.0

Source: Abu Dhabi Food Control Authority

6.1.15 Agriculture Producers Price Indices

(2016 = 100)

Crop	2017
All Products	102.4
Tomato	104.8
Sweet Pepper	112.3
Hot Pepper	85.3
Cucumber	60.0
Marrow	97.8
Water Melon	28.1
Sweet Melon	113.7
Onion	99.8
Beans	86.0
Eggplant	115.1
Cauliflower	124.0
Cabbage	97.5
Lettuce	137.1
Pumpkin	52.2
Coriander	53.9
Beets	51.7
Parsley	81.1
Potato	61.3
Corn	82.7
Radish	16.9
Carrot	61.0
Okra	217.9

Source: Statistics Centre - Abu Dhabi

6.1.16 Quantity of Pesticides Used by Region

Region	2016		2017	
	Liter	Kilogram	Liter	Kilogram
Total	21,394	0	15,522	0
Abu Dhabi Region	1,564	0	438	0
Al Ain Region	12,047	0	9,287	0
Al Dhafra Region	7,783	0	5,797	0

Source: Abu Dhabi Food Control Authority

6.1.17 Total Loans Given to the Farmers in Agricultural Sector by Region

(Thousand AED)

Region	2010	2015	2016	2017
Total*	26,719	2,933	933	313
Abu Dhabi and Al Dhafra Region	4,967	668	0	147
Al Ain Region	21,752	2,265	933	166

Source: Abu Dhabi Food Control Authority

* The farmers pay only 50% of the value of the loan

Livestock and fisheries

Livestock is a key activity to economic development in the Emirate of Abu Dhabi; being a main source of income for rural and desert residents. As such, this sector received the attention of the government over the past few years through the implementation of policies and programs that have successfully achieved a steady growth in livestock populations.

The percentage of sheep and goats in the Emirate of Abu Dhabi made up around 87.3% of the total livestock, followed by camels at 11.5% and cattle at 1.2% as shown by the data pertaining to traditional holdings in 2017. Abu Dhabi's extensive coastline supplies a significant part of the local market demand for fish, which is the basic food for the inhabitants of coastal areas. Fisheries are one of the important renewable economic resources and an essential source of national income. In 2017 the total fish catch amounted to 4,740 tons, with a market value of million AED 121.1.

6.1.18 Number of Livestock by Type

Type	2010	2015	2016	2017*
Total	2,357,065	3,519,561	3,514,570	3,545,000
Sheep	1,041,370	1,772,778	1,760,553	1,757,481
Goats	1,000,532	1,311,699	1,312,803	1,337,090
Cattle	39,778	51,197	46,990	41,959
Camels	275,385	383,887	394,224	408,470

Source: Abu Dhabi Food Control Authority

* Preliminary estimates (Statistics Centre - Abu Dhabi)

6.1.19 Number of Livestock by Type - Abu Dhabi Region

Type	2010	2015	2016	2017*
Total	387,379	627,258	699,888	613,841
Sheep	173,757	329,197	369,677	330,880
Goats	166,942	217,013	248,352	219,063
Cattle	3,764	6,677	6,428	7,179
Camels	42,916	74,371	75,431	56,719

Source: Abu Dhabi Food Control Authority

* Preliminary estimates (Statistics Centre - Abu Dhabi)

6.1.20 Number of Livestock by Type - Al Ain Region

Type	2010	2015	2016	2017*
Total	1,516,657	2,293,974	2,219,391	2,335,268
Sheep	671,639	1,137,401	1,087,257	1,126,509
Goats	645,299	904,332	876,272	931,030
Cattle	34,911	42,918	39,248	33,800
Camels	164,808	209,323	216,614	243,929

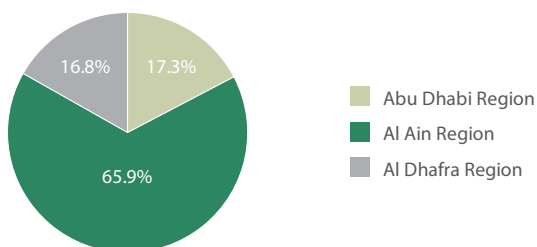
Source: Abu Dhabi Food Control Authority
 * Preliminary estimates (Statistics Centre - Abu Dhabi)

6.1.21 Number of Livestock by Type - Al Dhafra Region

Type	2010	2015	2016	2017*
Total	453,029	598,329	595,291	595,891
Sheep	195,975	306,180	303,619	300,092
Goats	188,290	190,354	188,179	186,997
Cattle	1,103	1,602	1,314	980
Camels	67,661	100,193	102,179	107,822

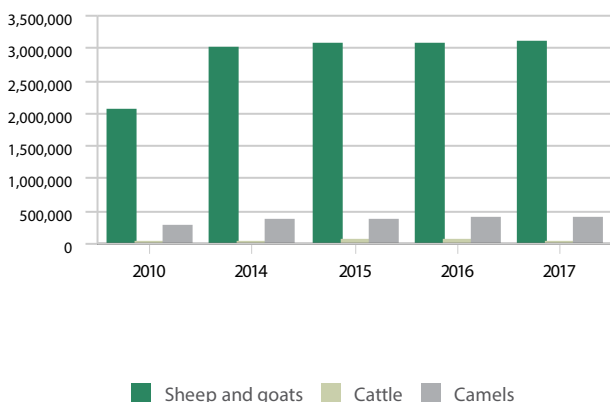
Source: Abu Dhabi Food Control Authority
 * Preliminary estimates (Statistics Centre - Abu Dhabi)

Figure 6.1.6 Percentage Distribution of Number of Livestock by Region, 2017



Source: Statistics Centre - Abu Dhabi

Figure 6.1.7 Number of Livestock by Type



Source: Abu Dhabi Food Control Authority

6.1.22 Number of Animal Holdings by Region

Region	2010	2015	2016	2017
Total*	17,963	24,337	25,171	25,200
Abu Dhabi Region	3,659	5,303	5,598	4,493
Al Ain Region	10,692	14,626	15,099	16,211
Al Dhafra Region	3,612	4,408	4,474	4,496

Source: Abu Dhabi Food Control Authority

6.1.23 Number of Slaughtered Animals by Type

Type	2010	2015	2016	2017
Total	706,266	881,681	918,680	936,246
Sheep and goats	671,783	836,335	869,973	877,932
Cattle	13,942	17,077	13,744	11,824
Camels	20,541	28,269	34,963	46,490

Source: Department of Municipal Affairs

6.1.24 Quantity of Meat Produced From Slaughter by Type

(Tons)

Type	2010	2015	2016	2017
Total	14,669	16,700	19,242	20,367
Sheep and goats	9,937	9,643	11,624	11,529
Cattle	2,465	3,555	2,757	2,426
Camels	2,267	3,502	4,860	6,412

Source: Department of Municipal Affairs

6.1.25 Value of Meat Produced From Slaughter by Type

(Thousand AED)

Type	2010	2015	2016	2017
Total	473,000	770,328	872,055	830,416
Sheep and goats	331,000	502,059	601,474	521,199
Cattle	74,000	120,612	94,397	82,957
Camels	68,000	147,657	176,184	226,260

Source: Department of Municipal Affairs

6.1.26 Number of Commercial Farms by Type of Farm

Type	2010	2015	2016	2017
Total	25	31	32	32
Broiler farms	8	9	9	9
Layer farms	4	7	7	7
Parent stock Farms	0	2	3	3
Cattle farms	13	13	13	13

Source: Abu Dhabi Food Control Authority

6.1.27 Quantity of Production in Commercial Farms by Type

Type	2010	2015	2016	2017
Chicken meat (Tons)	15,225	22,632	23,154	23,733
Table eggs (1000 Egg)	127,013	356,364	402,285	435,493
Cattle milk (Tons)	66,086	102,783	104,132	114,260

Source: Abu Dhabi Food Control Authority

6.1.28 Quantity and Value of Fish Caught by Major Fish Families

(Quantity in tons, value in (Thousand AED))

Fish Families	2016		2017	
	Quantity	Value	Quantity	Value
Total	4,439	112,863	4,740	121,069
Carangidae	774	9,248	936	11,378
Haemulidae	150	2,135	146	2,082
Lethrinidae	284	6,885	347	9,081
Lutjanidae	57	1,523	110	1,265
Portunidae	334	4,769	368	4,921
Scombridae	1,884	54,134	1,812	55,088
Epinephelidae	609	28,173	710	32,187
Sparidae	36	589	57	925
Others	310	5,407	254	4,141

Source: Environment Agency - Abu Dhabi

6.1.29 Quantity of Fish Caught by Month

(Tons)

Month	2010	2015	2016	2017
Total	6,556	5,235	4,439	4,740
Jan	1,387	441	428	673
Feb	691	401	442	472
Mar	471	659	413	559
Apr	604	458	260	476
May	514	359	243	287
Jun	251	188	103	103
Jul	212	170	80	125
Aug	173	142	106	117
Sep	199	206	93	132
Oct	418	448	465	516
Nov	759	660	786	500
Dec	876	1,103	1,020	780

Source: Environment Agency - Abu Dhabi

6.1.30 Number of Animals Treated at Veterinary Clinics by Region

Region	2010	2015	2016	2017
Total	1,358,213	1,293,262	702,686	671,424
Abu Dhabi Region	530,499	245,732	176,236	160,546
Al Ain Region	597,278	648,413	297,708	299,503
Al Gharbia Region	230,436	399,117	228,742	211,375

Source: Abu Dhabi Food Control Authority

6.1.31 Number of Cases Vaccinated by Type of Animal and Region

Type of Animal	2010	2015	2016	2017
Total	4,821,797	8,421,672	9,366,159	7,593,569
Sheep	3,919,529	3,877,993	4,542,188	3,830,480
Goats	857,237	4,441,400	4,806,461	3,757,408
Cattle	45,031	102,279	17,510	5,681

Source: Abu Dhabi Food Control Authority

6.1.32 Number of Incidence of Poultry Diseases by Region

Region	2010	2015	2016	2017
Total	124,613	94,059	119,744	78,064
Abu Dhabi Region	26,806	16,738	15,943	20,628
Al Ain Region	50,596	61,028	57,925	13,505
Al Dhafra Region	47,211	16,293	45,876	43,931

Source: Abu Dhabi Food Control Authority

Agricultural Goods Trade

The Emirate of Abu Dhabi enjoys robust foreign trade in agricultural goods supported by its geographical location and its proximity to East Asian countries, in addition to the trade facilities and trade laws and regulations in force. These factors have contributed to the growth and development of commercial exchange of food and other agriculture goods and products through the Emirate's ports.

6.1.33 Value of Imports of Agricultural Goods and Food

(Thousand AED)

Item	2010	2015	2016	2017
Total	6,705,980	8,704,060	7,684,912	7,781,721
Live animals and their products	1,891,753	2,840,842	2,901,996	3,067,278
Vegetable products	2,816,473	2,907,704	2,121,835	2,129,970
Animals or vegetable fats, oils and waxes	328,253	396,908	445,529	419,620
Foodstuffs, beverages, spirits and tobacco	1,581,916	2,433,772	2,142,742	2,098,519
Fertilizers	52,728	99,634	57,085	54,303
Pesticides and rodents, fungi, weeds	34,857	25,201	15,726	12,031

Source: Statistics Centre - Abu Dhabi

6.1.34 Value of Exports of Agricultural Goods and Food

(Thousand AED)

Item	2010	2015	2016	2017
Total	561,996	1,708,345	1,438,944	1,051,358
Live animals and their products	112,270	804,639	407,169	227,557
Vegetable products	60,009	67,894	77,880	89,480
Animals or vegetable fats, oils and waxes	154,475	175,702	219,675	156,347
Foodstuffs, beverages, spirits and tobacco	181,108	587,198	672,768	528,066
Fertilizers	53,929	66,991	59,275	47,552
Pesticides and rodents, fungi, weeds	205	5,921	2,177	2,356

Source: Statistics Centre - Abu Dhabi

6.1.35 Value of Re-Exports of Agricultural Goods and Food

(Thousand AED)

Item	2010	2015	2016	2017
Total	115,901	76,292	918,762	582,909
Live animals and their products	20,673	27,409	17,023	18,996
Vegetable products	64,978	23,958	12,343	22,028
Animals or vegetable fats, oils and waxes	1,106	497	591	1,123
Foodstuffs, beverages, spirits and tobacco	28,416	23,192	887,654	540,746
Fertilizers	630	469	707	0
Pesticides and rodents, fungi, weeds	98	768	443	16

Source: Statistics Centre - Abu Dhabi

Figure 6.1.8 Value of Imports, Exports, and Re-Exports of Agricultural Goods and Food



Source: Statistics Centre - Abu Dhabi

6.1.36 Quantity and Value of Imports, Exports and Re-Exports of Agricultural Fertilizers

(Quantity in tons, value in thousand AED)

Description	2010	2015	2016	2017
Imports				
Quantity	24,707	46,138	34,202	35,102
Value	52,728	99,634	57,085	54,303
Exports				
Quantity	18,935	110,166	22,607	17,532
Value	53,929	66,991	59,275	47,552
Re-Exports				
Quantity	300	251	480	0
Value	630	469	707	0

Source: Statistics Centre - Abu Dhabi

6.2. Environment

In light of the rapid economic and urban development and parallel population growth, environment protection acquires a special significance in the agenda and strategic vision of Abu Dhabi Government as it becomes more profoundly recognized as an indispensable requirement if a sustainable, balanced and comprehensive social development is to be achieved.

Large-scale landscaping and tree plantation attest to the formidable effort being made and the achievements attained in this regard. Although the Emirate of Abu Dhabi is one of the largest exporters of oil worldwide, Abu Dhabi was fast to adopt clean, renewable energy sources, emerging as one of the countries at the forefront of the move towards reducing reliance on conventional energy sources, the underlying cause of increasing carbon dioxide emissions, global warming and climate change. The attention paid to environmental issues by the Emirate of Abu Dhabi has raised the emirate's international profile, especially in the fields of nature conservation, desertification control, protection of land and sea wildlife, establishment of nature reserves and international promotion of research to preserve various species of endangered animals and birds.

As a result, there is an increasing interest on the part of SCAD in providing environmental statistics covering various areas such as climate, air quality, pollutant emissions, water statistics, health and occupational safety and waste statistics. These statistics support policy makers to achieve a sustainable environment in the Emirate of Abu Dhabi.

In 2017, the average minimum temperature of Abu Dhabi Emirate was 22.9 C°, while the average maximum temperature was 35 C°. Average annual rainfall decreased from 60.7 mm in 2016 to 81.4 mm in 2017. Average minimum relative humidity was 27.9% while average maximum relative humidity was 75.9%. Average atmospheric pressure was 1,009.57 hPa. The average maximum daily solar radiation exceeded 8,000 Watt /m²/h during summer months.

Regarding air quality, the concentrations of air pollutants in 2017 were within their permissible limits. Annual average concentration of particulate matter, with a diameter of 10 micron, ranged between 112.7 and 129.4 mcg/m³ in the urban areas of the Emirate.

The quantity of treated wastewater in 2017 was 310.7 MCM, of which Abu Dhabi region accounted for approximately 76%, where Al Dhafra region did not exceed 4% of the total.

In 2016, more than 2263 people were diagnosed with transmitted diseases through food and food poisoning, caused by eating food or beverages contaminated with bacteria or viruses. People diagnosed with food poisoning accounted for the largest percentage 62% of the total number of patients, followed by Viral hepatitis A at 14%. Regarding waste statistics, the Emirate of Abu Dhabi generated a daily average up to 26 thousand tons of waste in 2017, which is up to approximately 9.477 million tons of non-hazardous waste annually. Construction and demolition waste accounted for the largest percentage 42% of the total amount of waste generated in the Emirate.

Location and Area

The Emirate of Abu Dhabi is located in the far west and southwest part of the United Arab Emirates along the southern coast of the Arabian Gulf between latitudes 22°40' and around 25° north and longitudes 51° and around 56° east. The total area of the Emirate is 67,340 square kilometers, occupying about 87% of the total area of the UAE, excluding islands. The territorial waters of the Emirate embrace about 200 islands off its 700 kilometers coastline.

The topography of the Emirate is dominated by low-lying sandy terrain dotted with sand dunes exceeding 300 meters in height in some areas southwards. The eastern part of the Emirate borders the western fringes of Al-Hajar Mountains.

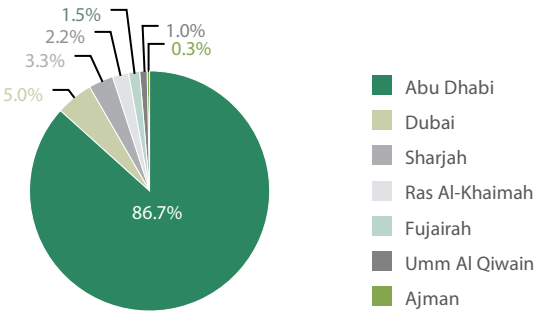
Hafeet Mountain, Abu Dhabi's highest elevation, rising about 1,300 meters, is located south of Al Ain city.

6.2.1 Area of the United Arab Emirates *

Emirate	Sq. mile	Sq. kilometre	%
Total	30,000	77,700	100
Abu Dhabi Region	26,000	67,340	86.7
Dubai	1,500	3,885	5.0
Sharjah	1,000	2,590	3.3
Ras Al-Khaimah	650.2	1,684	2.2
Fujairah	449.8	1,165	1.5
Umm Al Qiwain	300.0	777.0	1.0
Ajman	100	259.0	0.3

Source: Ministry of Economy
 * Excluding islands

Figure 6.2.1 Area of the United Arab Emirates



Source: Ministry of Economy

Climate

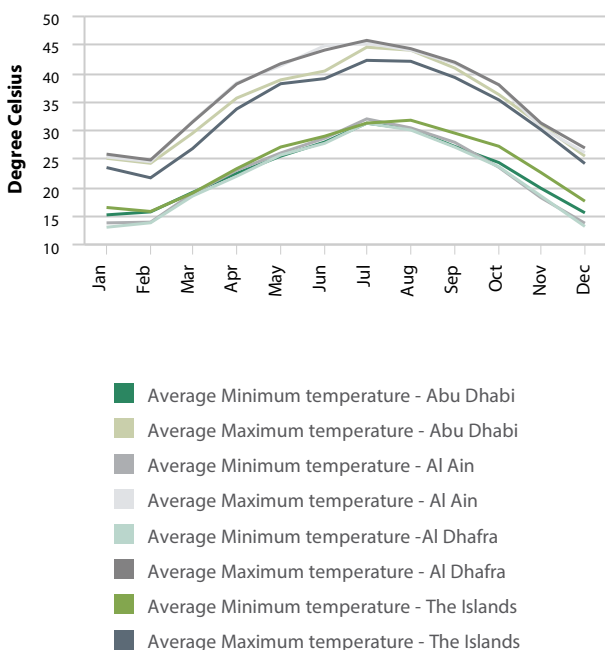
The Emirate of Abu Dhabi is located in the tropical dry region. The Tropic of Cancer runs through the southern part of the Emirate, giving its climate an arid nature characterized by high temperatures throughout the year, and a very hot summer.

The Emirate's high summer temperatures are associated with high relative humidity, especially in coastal areas. Abu Dhabi has warm winters with occasionally low temperatures. The air temperatures show a variations between the coastal strip, the desert interior and areas of higher elevation, which together make up the topography of the Emirate. Abu Dhabi receives scant rainfall but totals vary greatly from year to year.

Seasonal northerly winds blow across the country, helping to ameliorate the weather, when they are not laden with dust, in addition to the brief moisture-laden south-easterly winds. The winds often vary between southerly, south-easterly, westerly, northerly and north westerly.

Another characteristic of the Emirate's weather is the high rate of evaporation of water due to several factors, namely high temperature, wind speed, and low rainfall. The National Center of Meteorology and Seismology provides Statistics Center - Abu Dhabi with climate data from stations throughout the Emirate of Abu Dhabi. The Statistics Centre - Abu Dhabi then process it and produce climate data classified into four main areas Abu Dhabi, Al Ain, Al Dhafra and the islands.

Figure 6.2.2 Average maximum and minimum air temperature by month and region, 2017



Source: Statistics Centre- Abu Dhabi

6.2.2 Air Temperature by Month - Abu Dhabi, 2017

(Degree Celsius)

Month	Absolute minimum	Average minimum	Absolute maximum	Average maximum
January	7.6	15.2	29.3	25.1
February	5.8	15.7	33.3	24.3
March	8.7	19.1	38.8	29.5
April	14.3	22.5	44.1	35.7
May	16.5	25.5	47.1	38.9
June	20.0	28.0	49.2	40.4
July	23.4	31.3	49.8	44.6
August	22.6	30.3	49.1	44.1
September	21.2	27.2	46.0	40.9
October	16.4	24.4	43.4	36.3
November	11.1	19.9	35.7	31.0
December	9.9	15.6	30.6	25.5

Source: The National Center of Meteorology and Seismology, Statistics Centre- Abu Dhabi.

6.2.3 Air Temperature by Month - Al Ain, 2017

(Degree Celsius)

Month	Absolute minimum	Average minimum	Absolute maximum	Average maximum
January	7.9	13.8	31.3	25.4
February	2.0	13.9	33.0	24.5
March	11.1	18.9	39.5	31.6
April	14.8	23.0	44.4	38.3
May	19.0	26.1	49.1	41.4
June	22.9	28.6	50.4	44.9
July	26.7	32.0	51.3	45.3
August	22.5	30.5	49.8	44.1
September	21.8	27.9	47.5	41.7
October	18.5	23.5	44.7	38.0
November	13.0	18.2	37.8	30.5
December	5.6	13.7	32.7	26.1

Source: The National Center of Meteorology and Seismology, Statistics Centre- Abu Dhabi.

6.2.4 Air Temperature by Month - Al Dhafra, 2017

(Degree Celsius)

Month	Absolute minimum	Average minimum	Absolute maximum	Average maximum
January	5.8	13.0	31.7	25.8
February	3.7	13.8	33.8	24.8
March	8.6	18.5	40.9	31.5
April	12.7	22.0	44.3	38.2
May	17.6	25.7	48.8	41.7
June	20.2	27.8	50.8	44.1
July	24.7	31.3	50.2	45.8
August	22.8	30.1	49.5	44.3
September	21.0	27.1	46.7	42.0
October	16.9	23.6	43.4	38.0
November	11.4	18.5	36.4	31.3
December	5.0	13.2	31.9	26.9

Source: The National Center of Meteorology and Seismology, Statistics Centre- Abu Dhabi.

6.2.5 Air Temperature by Month - The Islands, 2017

(Degree Celsius)

Month	Absolute minimum	Average minimum	Absolute maximum	Average maximum
January	10.7	16.5	29.8	23.5
February	9.9	15.8	30.1	21.7
March	10.9	19.0	38.4	26.8
April	17.3	23.3	41.9	33.8
May	23.8	27.1	45.3	38.2
June	23.1	29.0	45.5	39.1
July	27.6	31.3	48.4	42.3
August	26.4	31.8	47.0	42.1
September	25.1	29.5	45.0	39.3
October	22.0	27.2	40.0	35.4
November	16.8	22.6	35.7	30.2
December	11.8	17.6	28.8	24.2

Source: The National Center of Meteorology and Seismology, Statistics Centre- Abu Dhabi.

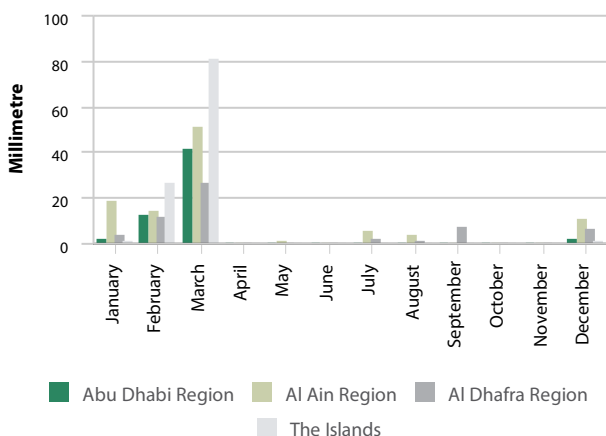
6.2.6 Average Rainfall by Month and Region, 2017

(Millimetres)

Month	Abu Dhabi	Al Ain	Al Dhafra	The Islands
January	1.4	18.1	3.3	0.8
February	12.0	14.1	11.4	26.5
March	41.5	50.6	26.4	80.3
April	0.0	0.0	0.0	0.0
May	0.0	1.1	0.2	0.0
June	0.0	0.0	0.0	0.0
July	0.2	5.2	1.5	0.1
August	0.1	3.2	0.6	0.0
September	0.0	0.1	7.2	0.0
October	0.0	0.0	0.0	0.0
November	0.0	0.0	0.0	0.0
December	1.4	10.5	6.5	1.0

Source: The National Center of Meteorology and Seismology, Statistics Centre- Abu Dhabi.

Figure 6.2.3 Average Rainfall by Month and Region, 2017



Source: Statistics Centre- Abu Dhabi.

6.2.7 Rainfall in Abu Dhabi and Al Ain by Month, 2017

(Millimetres)

Month	Abu Dhabi		Al Ain	
	Heaviest fall in one day	Total for month	Heaviest fall in one day	Total for month
January	5.2	5.4	44.6	162.7
February	14.2	47.9	28.2	126.9
March	31.0	166.0	84.2	455.6
April	0.0	0.0	0.1	0.1
May	0.0	0.0	9.7	10.3
June	0.0	0.0	0.0	0.0
July	0.6	0.6	12.5	46.9
August	0.5	0.5	12.2	29.2
September	0.0	0.0	0.7	0.9
October	0.0	0.0	0.0	0.0
November	0.0	0.0	0.0	0.0
December	1.4	6.8	45.2	115.8

Source: The National Center of Meteorology and Seismology, Statistics Centre- Abu Dhabi.

6.2.8 Rainfall in Al Dhafra and The Islands by Month, 2017

(Millimetres)

Month	Al Dhafra		The Islands	
	Heaviest fall in one day	Total for month	Heaviest fall in one day	Total for month
January	11.6	20.0	2.4	2.4
February	20.4	68.6	23.6	79.4
March	31.0	158.2	50.0	241.0
April	0.0	0.0	0.0	0.0
May	0.8	1.2	0.0	0.0
June	0.0	0.0	0.0	0.0
July	3.2	9.2	0.4	0.4
August	1.8	3.8	0.0	0.0
September	28.9	43.1	0.0	0.0
October	0.0	0.0	0.0	0.0
November	0.0	0.0	0.0	0.0
December	23.8	26.0	2.6	3.0

Source: The National Center of Meteorology and Seismology, Statistics Centre- Abu Dhabi.

6.2.9 Average Atmospheric Pressure by Month and Region, 2017

(Hectopascal)

Month	Abu Dhabi	Al Ain	Al Dhafra	The Islands
January	1017.4	1018.6	1017.2	1019.0
February	1018.5	1019.2	1017.7	1019.7
March	1013.3	1013.8	1012.3	1013.9
April	1010.3	1010.8	1009.7	1011.2
May	1006.1	1007.0	1005.7	1007.0
June	999.5	999.9	999.2	1000.7
July	997.3	998.2	996.7	997.9
August	999.2	1000.3	998.9	999.9
September	1005.0	1006.0	1004.7	1005.8
October	1010.0	1010.8	1009.8	1011.2
November	1015.3	1016.3	1015.2	1016.5
December	1019.0	1019.6	1018.1	1020.5

Source: The National Center of Meteorology and Seismology, Statistics Centre- Abu Dhabi.

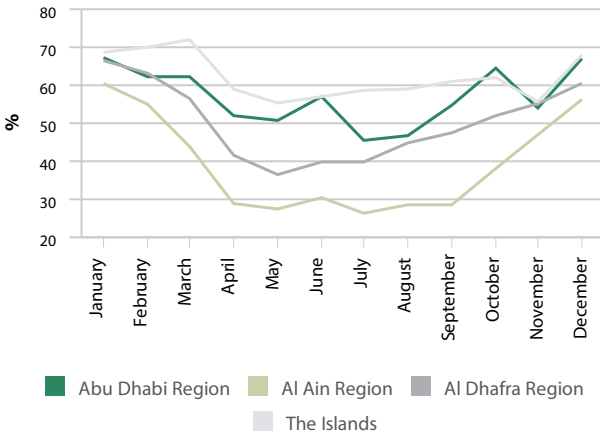
6.2.10 Average Relative Humidity by Month and Region, 2017

(%)

Month	Abu Dhabi	Al Ain	Al Dhafra	The Islands
January	67.3	60.4	66.5	68.7
February	62.3	55.0	63.2	70.0
March	62.3	43.9	56.5	72.0
April	52.0	28.9	41.6	59.0
May	50.8	27.4	36.5	55.3
June	57.0	30.4	39.8	57.0
July	45.5	26.3	39.8	58.7
August	46.8	28.6	44.8	59.0
September	54.8	28.6	47.5	61.0
October	64.5	38.1	52.0	62.0
November	54.0	47.0	55.2	55.7
December	67.0	56.3	60.5	68.0

Source: The National Center of Meteorology and Seismology, Statistics Centre- Abu Dhabi.

Figure 6.2.4 Average Relative Humidity by Month and Region, 2017



Source: Statistics Centre- Abu Dhabi.

6.2.11 Relative Humidity by Month - Abu Dhabi, 2017

(%)

Month	Monthly average	Average minimum	Average maximum
January	67.3	44.5	86.0
February	62.3	41.0	81.8
March	62.3	36.5	82.8
April	52.0	24.3	76.8
May	50.8	24.0	74.5
June	57.0	30.0	82.3
July	45.5	18.5	70.3
August	46.8	17.8	74.5
September	54.8	21.5	82.5
October	64.5	32.3	90.5
November	54.0	31.0	76.0
December	67.0	43.8	84.2

Source: The National Center of Meteorology and Seismology, Statistics Centre- Abu Dhabi.

6.2.12 Relative Humidity by Month - Al Ain, 2017

(%)

Month	Monthly Average	Average Minimum	Average Maximum
January	60.4	33.7	86.9
February	55.0	31.2	78.9
March	43.9	22.0	70.1
April	28.9	11.3	53.2
May	27.4	10.7	51.0
June	30.4	8.9	60.8
July	26.3	12.9	45.1
August	28.6	12.6	49.4
September	28.6	12.1	51.0
October	38.1	13.1	70.1
November	47.0	24.7	71.9
December	56.3	30.5	82.5

Source: The National Center of Meteorology and Seismology, Statistics Centre- Abu Dhabi.

6.2.13 Relative Humidity by Month - Al Dhafra, 2017

(%)

Month	Monthly Average	Average Minimum	Average Maximum
January	66.5	39.7	91.0
February	63.2	40.0	86.2
March	56.5	31.8	82.5
April	41.6	19.2	69.8
May	36.5	17.2	62.5
June	39.8	18.2	68.7
July	39.8	18.2	65.7
August	44.8	20.8	71.5
September	47.5	20.7	75.3
October	52.0	23.2	82.7
November	55.2	31.8	79.2
December	60.5	32.3	88.0

Source: The National Center of Meteorology and Seismology, Statistics Centre- Abu Dhabi.

6.2.14 Relative Humidity by Month - The Islands, 2017

(%)

Month	Monthly Average	Average Minimum	Average Maximum
January	68.7	49.3	84.7
February	70.0	52.0	83.7
March	72.0	47.3	89.7
April	59.0	29.3	82.7
May	55.3	23.7	81.7
June	57.0	28.7	80.7
July	58.7	25.7	83.7
August	59.0	27.0	82.3
September	61.0	30.7	82.3
October	62.0	38.0	80.0
November	55.7	38.7	72.0
December	68.0	49.0	83.3

Source: The National Center of Meteorology and Seismology, Statistics Centre- Abu Dhabi.

6.2.15 Average Wind Speed by Month and Region, 2017

(Knot)

Month	Abu Dhabi	AL Ain	Al Dhafra	The Islands
January	11.8	10.0	11.3	15.3
February	15.3	12.7	16.0	20.3
March	14.8	12.9	15.0	18.0
April	12.8	11.7	13.8	17.0
May	12.8	11.4	12.5	14.7
June	13.0	11.4	14.2	17.3
July	13.8	12.4	12.5	14.0
August	14.0	11.7	12.3	15.0
September	11.8	10.9	10.7	12.0
October	10.5	9.3	10.2	13.7
November	11.3	9.0	10.7	14.3
December	11.4	10.2	9.8	16.7

Source: The National Center of Meteorology and Seismology, Statistics Centre- Abu Dhabi.

* Knot = 1.15 mph

6.2.16 Wind Speed by Month - Abu Dhabi, 2017

(Knot)

Month	Average	Absolute Maximum	Average Maximum
January	11.8	35.0	29.5
February	15.3	59.0	29.5
March	14.8	73.0	31.3
April	12.8	38.0	26.3
May	12.8	42.0	25.3
June	13.0	44.0	25.5
July	13.8	47.0	27.5
August	14.0	43.0	28.0
September	11.8	36.0	25.8
October	10.5	37.0	22.5
November	11.3	42.0	23.0
December	11.4	50.0	23.2

Source: The National Center of Meteorology and Seismology, Statistics Centre- Abu Dhabi.

* Knot = 1.15 mph

6.2.17 Wind Speed by Month - Al Ain, 2017

(Knot)

Month	Average	Absolute Maximum	Average Maximum
January	10.0	39.0	28.6
February	12.7	81.0	27.3
March	12.9	84.0	29.9
April	11.7	71.0	27.2
May	11.4	72.0	27.1
June	11.4	54.0	26.8
July	12.4	64.0	29.7
August	11.7	70.0	27.9
September	10.9	54.0	26.6
October	9.3	52.0	23.4
November	9.0	54.0	22.2
December	10.2	51.0	22.4

Source: The National Center of Meteorology and Seismology, Statistics Centre- Abu Dhabi.

* Knot = 1.15 mph

6.2.18 Wind Speed by Month - Al Dhafra, 2017

(Knot)

Month	Average	Absolute Maximum	Average Maximum
January	11.3	30.0	37.8
February	16.0	77.0	31.2
March	15.0	102.0	32.5
April	13.8	58.0	29.2
May	12.5	58.0	29.2
June	14.2	53.0	30.2
July	12.5	52.0	29.0
August	12.3	49.0	27.7
September	10.7	54.0	24.7
October	10.2	39.0	23.8
November	10.7	50.0	23.5
December	9.8	41.0	21.5

Source: The National Center of Meteorology and Seismology, Statistics Centre- Abu Dhabi.

* Knot = 1.15 mph

6.2.19 Wind Speed by Month - The Islands, 2017

(Knot)

Month	Average	Absolute Maximum	Average Maximum
January	15.3	46.0	33.0
February	20.3	66.0	34.7
March	18.0	73.0	35.0
April	17.0	55.0	31.3
May	14.7	43.0	28.0
June	17.3	56.0	31.0
July	14.0	45.0	26.7
August	15.0	39.0	27.7
September	12.0	38.0	23.7
October	13.7	42.0	24.3
November	14.3	49.0	25.0
December	16.7	44.0	26.7

Source: The National Center of Meteorology and Seismology, Statistics Centre- Abu Dhabi.

* Knot = 1.15 mph

6.2.20 Average Daily Sunshine in Abu Dhabi and Al Ain by Month, 2017

(Hours)

Month	Abu Dhabi	Al Ain
January	9.0	9.0
February	6.6	8.7
March	7.8	9.6
April	10.7	11.0
May	10.9	11.5
June	11.3	11.7
July	10.8	11.2
August	10.6	11.1
September	10.0	10.5
October	9.6	10.0
November	9.1	9.4
December	7.9	8.9

Source: The National Center of Meteorology and Seismology, Statistics Centre- Abu Dhabi.

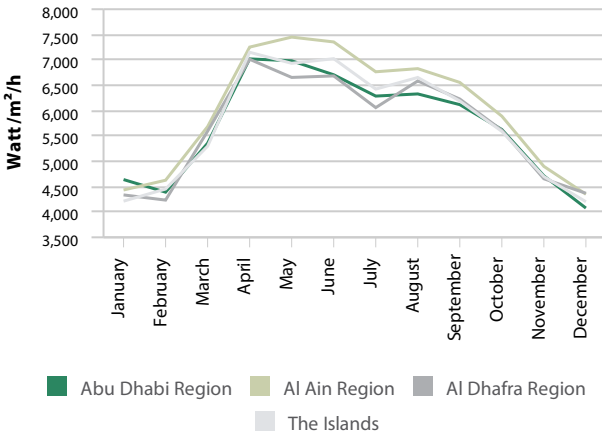
6.2.21 Average Daily Total Solar Radiation by Month and Region, 2017

(Watt /m²/h)

Month	Abu Dhabi	Al Ain	Al Dhafra	The Islands
January	4640	4434	4337	4214
February	4391	4626	4235	4453
March	5357	5684	5594	5298
April	7020	7253	7012	7150
May	6983	7450	6654	6933
June	6707	7355	6684	7024
July	6287	6766	6059	6424
August	6329	6828	6585	6653
September	6118	6556	6228	6190
October	5627	5890	5613	5590
November	4713	4900	4656	4699
December	4077	4350	4369	4202

Source: The National Center of Meteorology and Seismology, Statistics Centre- Abu Dhabi.

Figure 6.2.5 Average Daily Total Solar Radiation by Month and Region, 2017



Source: Statistics Centre- Abu Dhabi.

6.2.22 Average Daily Total Solar Radiation by Month - Abu Dhabi, 2017

(Watt /m²/h)

Month	Average	Minimum	Maximum
January	4640	3378	5628
February	4391	1316	6458
March	5357	1390	7281
April	7020	6067	7803
May	6983	4124	7728
June	6707	5288	7481
July	6287	5067	6985
August	6329	5448	6968
September	6118	5192	6787
October	5627	5055	6178
November	4713	4083	5183
December	4077	3177	4679

Source: The National Center of Meteorology and Seismology, Statistics Centre- Abu Dhabi.

6.2.23 Average Daily Total Solar Radiation by Month - Al Ain, 2017

(Watt /m²/h)

Month	Average	Minimum	Maximum
January	4434	2916	5329
February	4626	1456	6377
March	5684	1020	7148
April	7253	6601	7836
May	7450	5331	8159
June	7355	6285	7834
July	6766	5632	7538
August	6828	5509	7421
September	6556	5442	7243
October	5890	5344	6440
November	4900	4169	5323
December	4350	2403	5027

Source: The National Center of Meteorology and Seismology, Statistics Centre- Abu Dhabi.

6.2.24 Average Daily Total Solar Radiation by Month - Al Dhafra, 2017

(Watt /m²/h)

Month	Average	Minimum	Maximum
January	4337	2703	5044
February	4235	1614	6098
March	5594	1996	6983
April	7012	5914	7598
May	6654	4502	7565
June	6684	6012	7206
July	6059	4800	6740
August	6585	4973	7096
September	6228	4914	6911
October	5613	5054	6176
November	4656	4060	5123
December	4369	3333	4872

Source: The National Center of Meteorology and Seismology, Statistics Centre- Abu Dhabi.

6.2.25 Average Daily Total Solar Radiation by Month - The Islands, 2017

(Watt /m²/h)

Month	Average	Minimum	Maximum
January	4214	2695	4954
February	4453	950	6228
March	5298	2335	7058
April	7150	5363	8026
May	6933	4240	8032
June	7024	6172	7571
July	6424	5546	7437
August	6653	5879	7244
September	6190	5033	6909
October	5590	5072	6115
November	4699	3637	5214
December	4202	1905	4877

Source: The National Center of Meteorology and Seismology, Statistics Centre- Abu Dhabi.

Air Statistics

Air pollution comes from stationary sources such as power plants and factories and mobile sources such as trucks, cars, and buses. Emissions from these sources reduce air quality, leaving a negative impact on people's health and the balance of ecosystems. Major air pollutants monitored are sulphur dioxide, nitrogen dioxide, particulate matter (PM₁₀), ground level-ozone, and carbon monoxide.

Air quality in the Emirate of Abu Dhabi is generally good. However, readings vary with different locations, readings from stations close to roads record high rates of pollution due to vehicle exhaust emissions. Likewise, readings taken within the vicinity of oil installations and industrial facilities are the highest in the Emirate.

In 2017 annual average concentration of PM₁₀ ranged between 112.7 and 129.4 mcg/m³ in the urban areas of the Emirate while annual average concentration of sulphur dioxide ranged between 6.5 and 13.7 mcg/m³, which is below the national maximum allowable limit (60 mcg/m³).

6.2.26 Annual Average of Air Pollution Indicators in Urban Areas by Region and Station, 2017

(Microgram/m³)

Indicator (maximum allowable limit)	Sulphur dioxide (60 mcg/m ³)	Nitrogen dioxide	Ground level ozone	Particulate matter - PM ₁₀
Abu Dhabi Region				
Khalifa School	11.9	33.1	90.3	120.0
Baniyas School	9.1	34.0	70.0	129.4
Khalifa City	10.7	32.1	83.2	120.0
Al Maqta	10.6	45.2	90.2	117.9
Al Ain Region				
Al Ain School	6.5	34.3	68.9	116.5
Suweihan	9.1	16.8	92.3	114.4
Zakher	7.5	33.8	-	125.2
Al Tawia	7.1	33.3	86.9	112.7
Al Dhafra Region				
Bida Zayed	13.7	15.1	87.6	128.8

Source: Environment Agency - Abu Dhabi.

6.2.27 Annual Average of Sulphur Dioxide Concentration in Ambient Air by Region *

(Microgram/m³)

Station location	2014	2015	2016	2017
Abu Dhabi Region				
City centre - Khadija School	9.1	8	13.6	13.6
Urban/ residential - Khalifa School	5.6	8.7	11.2	11.9
Road side - Hamdan Street	5	9.4	13.4	13.1
Urban/ residential - Baniyas School	5.4	7.3	9.4	9.1
Industrial - Mussafah	7.5	11.6	12.4	12.5
Industrial - Al Mafrq	2.4	5.9	10	10.1
Urban/ residential - Khalifa City	9.2	10	10.4	10.7
Urban/ residential - Al Maqta	4.2	8.1	10.8	10.6
Al Ain Region				
Urban/ residential - Al Ain School	7.7	6.4	6.4	6.5
Road side - Al Ain Street	8.7	4.9	5.4	5.6
Regional background - Al Qua'a	4.3	4.5	5.6	5.0
Urban/ residential - Suweihan	4.1	6.4	8.1	9.1
City centre - Zakher	4.3	8.9	8.1	7.5
Urban/ residential - Al Tawia	6.4	5.8	6.4	7.1
Al Dhafra Region				
Urban/ residential - Bida Zayed	15.2	15.1	15.4	13.7
Industrial - Ruwais	17.6	15.6	20.2	19.1
City centre - Gayathi School	10.2	11.2	12.9	14.0
Regional background - Liwa Oasis	6.5	14.1	10.2	11.7
Regional background / Industrial - Habshan	11.1	17	17.7	17.4

Source: Environment Agency - Abu Dhabi.

* The annual maximum allowable limit for sulphur dioxide average concentration is 60 mcg/m³

6.2.28 Annual Average of Nitrogen Dioxide Concentration in Ambient Air by Region

(Microgram/m³)

Station location	2014	2015	2016	2017
Abu Dhabi Region				
City centre - Khadija School	28.8	35.7	30.8	34.6
Urban/ residential - Khalifa School	27.8	28.3	27.8	33.1
Road side - Hamdan Street	47.7	49.9	50.1	51.3
Urban/ residential - Baniyas School	32.5	30.7	32.2	34.0
Industrial - Mussafah	53.3	49.8	52.4	54.4
Industrial - Al Mafrq	49.8	47.7	45.8	48.9
Urban/ residential - Khalifa City	34.7	25.4	28.2	32.1
Urban/ residential - Al Maqta	42	36.9	38.7	45.2
Al Ain Region				
Urban/ residential - Al Ain School	36.3	34.3	32.4	34.3
Road side - Al Ain Street	52	42	42.7	42.2
Regional background - Al Qua'a	6.5	4.9	4.5	5.3
Urban/ residential - Suweihan	15.1	13.8	13.2	16.8
City centre - Zakher	28.4	31.5	35.2	33.8
Urban/ residential - Al Tawia	20.5	25.2	33.4	33.3
Al Dhafra Region				
Urban/ residential - Bida Zayed	17	16.5	14	15.1
Industrial - Ruwais	28.7	25.6	24.8	21.7
City centre - Gayathi School	16.8	15.6	14.9	15.6
Regional background - Liwa Oasis	4.6	3.8	4.1	5.8
Regional background / Industrial - Habshan	17.2	13.8	13.1	13.4

Source: Environment Agency - Abu Dhabi.

6.2.29 Annual Average of Ground Level Ozone Concentration in Ambient Air by Region

(Microgram/m³)

Station location	2014	2015	2016	2017
Abu Dhabi Region				
City centre - Khadija School	89.2	88.9	79.9	91.4
Urban/ residential - Khalifa School	94.3	99.8	91.2	90.3
Urban/ residential - Baniyas School	103.9	115.4	70.9	70.0
Urban/ residential - Khalifa City	102.6	114.4	93.3	83.2
Urban/ residential - Al Maqta	78.5	101.6	80.7	90.2
Al Ain Region				
Urban/ residential - Al Ain School	74.6	94.5	65	68.9
Regional background - Al Qua'a	98.5	117.3	91.7	72.9
Urban/ residential - Suweihan	101.5	118.2	90.2	92.3
Urban/ residential - Al Tawia	102.5	97.5	92.7	86.9
Al Dhafra Region				
Urban/ residential - Bida Zayed	99.7	123.8	95.9	87.6
Industrial - Ruwais	117.7	115.4	91.9	89.1
City centre - Gayathi School	100.5	105.7	91.8	87.8
Regional background - Liwa Oasis	104.1	117.8	106.6	99.4
Regional background / Industrial - Habshan	96.6	106.3	91.9	86.6

Source: Environment Agency - Abu Dhabi.

6.2.30 Annual Average of Particulate Matter (PM₁₀) Concentration in Ambient Air by Region

(Microgram/m³)

Station location	2014	2015	2016	2017
Abu Dhabi Region				
City centre - Khadija School	92.8	138.3	117.1	111.8
Urban/ residential - Khalifa School	82.5	118.6	127.1	120.0
Road side - Hamdan Street	123.5	171.6	101.0	114.0
Urban/ residential - Baniyas School	67.8	142.4	130.0	129.4
Industrial - Mussafah	142.3	172.1	158.1	146.3
Industrial - Al Mafrq	163.8	174.9	206.9	177.9
Urban/ residential - Khalifa City	83.5	136.1	155.9	120.0
Urban/ residential - Al Maqta	112.6	144	136.4	117.9
Al Ain Region				
Urban/ residential - Al Ain School	105.4	124.1	111.7	116.5
Road side - Al Ain Street	97.7	100.8	102.3	103.3
Regional background - Al Qua'a	95.5	138.1	108.9	130.3
Urban/ residential - Suweihan	92.8	132.9	90.8	114.4
City centre - Zakher	94.2	101.9	94.0	125.2
Urban/ residential - Al Tawia	100.6	136.2	100.1	112.7
Al Dhafra Region				
Urban/ residential - Bida Zayed	98.7	134.8	128.7	128.8
Industrial - Ruwais	121.9	139.7	125.6	108.5
City centre - Gayathi School	95.7	115.9	112.4	111.0
Regional background - Liwa Oasis	110.9	168.3	112.8	113.8
Regional background / Industrial - Habshan	106	208.1	128.8	119.7

Source: Environment Agency - Abu Dhabi.

6.2.31 Annual Average of Carbon Monoxide Concentration in Ambient Air by Region

(Microgram/m³)

Station location	2014	2015	2016	2017
Abu Dhabi Region				
Road side - Hamdan Street	1.1	1.8	1.4	1.2
Urban/ residential - Al Maqta	0.7	0.8	0.6	0.8
Al Ain Region				
Road side - Al Ain Street	0.9	1	0.6	0.7
Regional background - Al Qua'a	0.3	0.6	0.3	0.3
Urban/ residential - Suweihan	0.5	0.7	0.5	0.5
Al Dhafra Region				
Industrial - Ruwais	0.3	1.1	0.8	1.0

Source: Environment Agency - Abu Dhabi.

6.2.32 Annual Average of Noise Level by Region

(Decibels)

Station location	2014	2015	2016	2017
Abu Dhabi Region				
City centre - Khadija School	-	-	-	-
Urban/ residential - Khalifa School	42.8	29.1	49	49.3
Road side - Hamdan Street	65.7	64.4	58.7	58.7
Urban/ residential - Baniyas School	50.2	44.6	45.5	
Industrial - Mussafah	60.7	54.5	53.4	54.1
Industrial - Al Mafraq	53	53.3	50.6	47.6
Urban/ residential - Khalifa City	49.7	45.1	45.8	45.3
Urban/ residential - Al Maqta	49.3	47.5	48.5	49.6
Al Ain Region				
Urban/ residential - Al Ain School	51.5	50.3	50.2	50.1
Road side - Al Ain Street	62	61.4	61.3	61.4
Regional background - Al Qua'a	51.5	51.3	47.6	41.6
City centre - Zakher	49.1	51.3	49.2	-
Urban/ residential - Al Tawia	51.7	51.7	52.2	-
Al Dhafra Region				
Urban/ residential - Bida Zayed	45.5	39.2	-	50.0
Industrial - Ruwais	53.2	51.6	39.1	37.3
City centre - Gayathi School	54.8	51.5	-	-
Regional background - Liwa Oasis	45.3	42.8	-	-
Regional background / Industrial - Habshan	55.1	54.9	50.9	45.7

Source: Environment Agency - Abu Dhabi.

6.2.33 Sulphur Oxides Emissions - Oil and Gas Sector

(Tons)

Business sector	2014	2015	2016	2017
Total	276,206	363,692	220,249	192,931
Exploration and Production	13,069	11,677	10,067	12,264
Processing and Refining	207,420	301,021	156,219	131,163
Marketing and Distribution	11,719	9,694	7,913	3,396
Independent Operators	43,999	41,300	46,050	46,108

Source: Source : Abu Dhabi National Oil Company - ADNOC.

Note: Business sectors had been re-arranged by data source.

6.2.34 Nitrogen Oxides Emissions - Oil and Gas Sector

(Tons)

Business sector	2014	2015	2016	2017
Total	56,116	54,335	70,820	69,175
Exploration and Production	12,324	8,263	13,229	14,122
Processing and Refining	34,160	33,126	39,598	39,993
Marketing and Distribution	7,308	10,339	15,324	12,854
Independent Operators	2,324	2,607	2,669	2,206

Source: Abu Dhabi National Oil Company - ADNOC.

Note: Business sectors had been re-arranged by data source.

6.2.35 Volatile Organic Compounds Emissions - Oil and Gas Sector

(Tons)

Business sector	2014	2015	2016	2017
Total	67,355	64,457	88,491	109,438
Exploration and Production	53,199	51,608	51,086	48,803
Processing and Refining	6,227	9,367	7,689	7,413
Marketing and Distribution	6,906	2,795	28,577	52,177
Independent Operators	1,023	687	1,138	1,045

Source: Abu Dhabi National Oil Company - ADNOC.

Note: Business sectors had been re-arranged by data source.

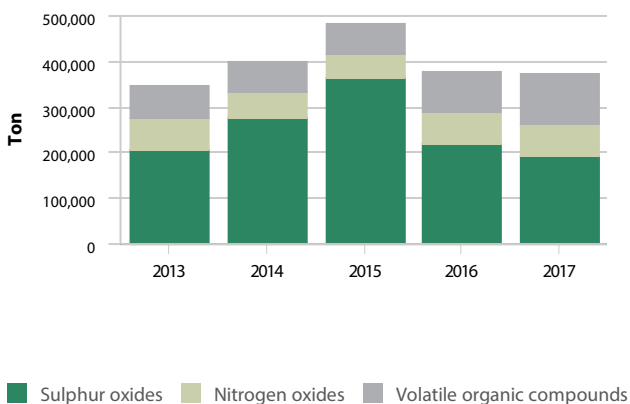
6.2.36 Air Pollutant Total Emissions - Oil and Gas Sector

(Tons)

Pollutant	2014	2015	2016	2017
Total	399,676	482,485	378,456	371,544
Sulphur oxides (SOx)	276,206	363,692	220,249	192,931
Nitrogen oxides (NOx)	56,116	54,335	69,716	69,175
Volatile organic compounds (VOC)	67,355	64,457	88,491	109,438

Source: Abu Dhabi National Oil Company - ADNOC.

Figure 6.2.6 Air Pollutant Total Emissions - Oil and Gas Sector



Source: Statistics Centre- Abu Dhabi.

6.2.37 Per Capita Air Pollutant Total Emissions - Oil and Gas Sector

(Tons)

	2014	2015	2016	2017
Total	0.1	0.2	0.1	0.1
Sulphur dioxide (SO ₂)	0.1	0.2	0.1	0.1
Nitrogen oxides (NO _x)	0	0	0	0.0
Volatile organic compounds (VOC)	0	0	0	0.0

Source: Abu Dhabi National Oil Company - ADNOC, Statistics Centre- Abu Dhabi.

6.2.38 Carbon Dioxide Emissions - Oil and Gas Sector

(Million tons)

Business sector	2014	2015	2016	2017
Total	29.4	33.7	34.1	35.8
Exploration and Production	3.6	3.9	4.4	4.5
Processing and Refining	23.9	27.6	27.4	28.7
Marketing and Distribution	1.3	1.4	1.4	1.8
Independent Operators	0.6	0.8	0.9	0.9

Source: Abu Dhabi National Oil Company - ADNOC.

Note: Business sectors had been re-arranged by data source.

6.2.39 Per Capita Carbon Dioxide Emissions - Oil and Gas Sector

(Tons)

Business sector	2014	2015	2016	2017
Total	11.1	12.1	11.7	12.3
Exploration and Production	1.4	1.4	1.5	1.5
Processing and Refining	9.0	9.9	9.4	9.9
Marketing and Distribution	0.5	0.5	0.5	0.6
Independent Operators	0.2	0.3	0.3	0.3

Source: Abu Dhabi National Oil Company - ADNOC, Statistics Centre- Abu Dhabi.

Note: Business sectors had been re-arranged by data source.

6.2.40 Sulphur Dioxide Emissions - Water and Electricity Production Sector

(Tons)

Source	2013	2015	2016	2017
Total	1,274	1,910	1,885	1,278.9
Arabian Power Company	430.5	399.7	412	339.5
Shuweihat CMS International Power Company	245	218	243	236.0
Emirates CMS Power Company	76.5	78.8	27.2	50.4
Gulf Total Tractebel Power Company	20.7	27.1	28.2	28.2
Taweelah Asia Power Company	265	641.3	623.5	336.7
Al Mirfa Power and Distillation Plant	61.2	14.3	0	14.6
Ruwais Power Company	175.2	127.4	145.6	188.8
Shuweihat Asia Power Company	-	403.8	405.3	84.7

Source: Abu Dhabi Water and Electricity Authority - ADWEA.

6.2.41 Nitrogen Oxides Emissions - Water and Electricity Production Sector

(Tons)

Source	2013	2015	2016	2017
Total	13,391	14,381	16,544	15,303
Arabian Power Company	3,801	4,196	4,300	3,739
Shuweihat CMS International Power Company	2,385	2,566	2,936	3,174
Emirates CMS Power Company	547.9	478.3	466	486
Gulf total Tractebel Power Company	2,333	2,215	2,293	2,153
Taweelah Asia Power Company	2,042	2,515	3,383	2,744
Al Mirfa Power and Distillation Plant	634.5	270.3	-	17
Ruwais Power Company	1,649	1,242	2,064	1,881
Shuweihat Asia Power Company	-	898.4	1,102	1,109

Source: Abu Dhabi Water and Electricity Authority - ADWEA.

6.2.42 Volatile Organic Compounds Emissions - Water and Electricity Production Sector

(Tons)

Source	2013	2015	2016	2017
Total	219.8	248.6	258.8	260.2
Gulf Total Tractebel Power Company	190.1	248.6	258.8	260.2
Al Mirfa Power and Distillation Plant	29.7	-	0	0

Source: Abu Dhabi Water and Electricity Authority - ADWEA.

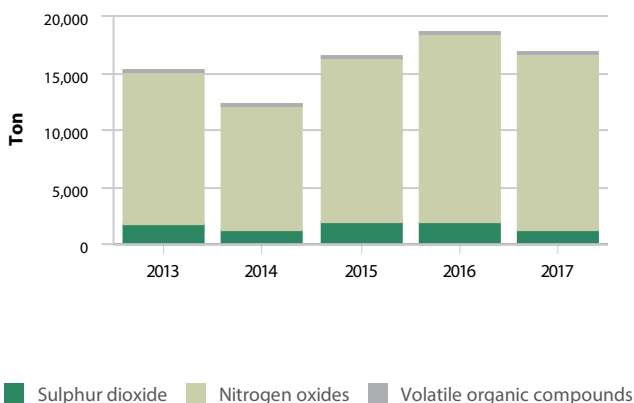
6.2.43 Air Pollutant Total Emissions - Water and Electricity Production Sector

(Tons)

Pollutant	2013	2015	2016	2017
Total	15,357	16,540	18,686	16,842
Sulphur dioxide (SO ₂)	1,745	1,910	1,885	1,279
Nitrogen oxides (NO _x)	13,391	14,381	16,543	15,303
Volatile organic compounds (VOC)	219.8	248.6	258.8	260.2

Source: Abu Dhabi Water and Electricity Authority - ADWEA.

Figure 6.2.7 Air Pollutant Total Emissions - Water and Electricity Production Sector



Source: Statistics Centre - Abu Dhabi.

6.2.44 Carbon Dioxide Emissions - Water and Electricity Production Sector

(Million tons)

Source	2013	2015	2016	2017
Total	29.6	35.4	34.6	37.2
Arabian Power Company	7.1	7.5	8.5	8.4
Shuweihat CMS International Power Company	4.9	5.3	5.4	5.0
Emirates CMS Power Company	2.5	2.8	0	2.8
Gulf Total Tractebel Power Company	4.1	5.3	5.9	5.6
Taweelah Asia Power Company	7.9	8.2	8.8	8.8
Al Mirfa Power and Distillation Plant	0	0	0	0.0
Ruwais Power Company	3	2.8	3	2.9
Shuweihat Asia Power Company	-	3.5	3	3.8

Source: Abu Dhabi Water and Electricity Authority - ADWEA.

6.2.45 Other Emissions - Water and Electricity Production Sector

(Tons)

Pollutant	2013	2015	2016	2017
Carbon monoxide (CO)	7,375	7,995	9,681	7,212
Lead (Pb)	0	0	0	0
Methane (CH)	80	104	108	109
Nitrous oxide (NO)	22	29	30	30

Source: Abu Dhabi Water and Electricity Authority - ADWEA.

Water

The rapid economic and agricultural development and sharp population increase in the Emirate of Abu Dhabi has led to large increases in water demands. On the other hand, reliance on non-conventional water resources, such as desalinated water and reuse of treated wastewater, increased to fill the imbalance between supply and demand.

The Abu Dhabi Region ranked top in the treatment of wastewater accounting for 76% of the Emirate's total treated wastewater in 2017 while Al Dhafra came last in this regard, producing only 4% of the total.

6.2.46 Total Non-Conventional Water Resources by Type

(Million cubic metre)

Type	2013	2015	2016	2017
Total	1,252.5	1,338.5	1,295.6	1,295.5
Desalinated water consumption	1,098.7	1,167.7	1,129.1	1,121.1
Treated wastewater reuse	153.8	170.8	166.5	174.4

Source: Statistics Centre - Abu Dhabi.

6.2.47 Quantity of Treated Wastewater by Region

(Million cubic metre)

Region	2013	2015	2016	2017
Total	283	332.3	325.9	310.7
Abu Dhabi Region	209.4	251.7	247.1	236.0
Al Ain Region	59.1	67.6	65.3	62.3
Al Dhafra Region	14.5	13	13.5	12.4

Source: Abu Dhabi Sewerage Services Company.

6.2.48 Quantity of Treated Wastewater Reuse by Region

(Million cubic metre)

Region	2013	2015	2016	2017
Total	153.8	170.8	166.5	174.4
Abu Dhabi Region	86.5	95.7	91.1	101.8
Al Ain Region	58	64.6	63.7	61.3
Al Dhafra Region	9.3	10.5	11.7	11.3

Source: Abu Dhabi Sewerage Services Company.

6.2.49 Total Wastewater Treatment Plants Capacity by Region

(Million cubic metre)

Region	2013	2015	2016	2017
Total	470.5	470.5	474.7	473.2
Abu Dhabi Region	344.4	369.9	370.6	369.4
Al Ain Region	112.7	81.7	82.4	82.2
Al Dhafra Region	13.4	18.8	21.7	21.6

Source: Abu Dhabi Sewerage Services Company.

6.2.50 Total Conventional Wastewater Treatment Plants Capacity by Region

(Million cubic metre)

Region	2013	2015	2016	2017
Total	469.3	465.3	469.9	468.7
Abu Dhabi Region	343.8	365.4	366.4	365.4
Al Ain Region	112.3	81.3	82.2	81.9
Al Dhafra Region	13.1	18.6	21.3	21.3

Source: Abu Dhabi Sewerage Services Company.

6.2.51 Total Non-Conventional Wastewater Treatment Plants Capacity by Region

(Million cubic metre)

Region	2013	2015	2016	2017
Total	1.2	5.2	4.8	4.5
Abu Dhabi Region	0.6	4.6	4.2	4.0
Al Ain Region	0.4	0.4	0.2	0.2
Al Dhafra Region	0.3	0.3	0.4	0.3

Source: Abu Dhabi Sewerage Services Company.

Waste

Interest in waste management and treatment has increased with the accelerated pace of human and economic development. Waste management refers to the collection, transfer, sorting, treatment and disposal of waste materials produced by human and economic activity, with the aim of reducing their effect on environment, health and landscape.

In 2017 a total of 9,477 million tons of waste were in the Emirate of Abu Dhabi, at a rate of 25.96 thousand tons per day. Construction and demolition waste generated had the highest percentage of waste with 42% from total waste generated in the Emirate of Abu Dhabi, followed by Industrial and commercial waste with a percentage of 33%.

6.2.52 Non-Hazardous Solid Waste Generation by Region and Source Activity, 2017

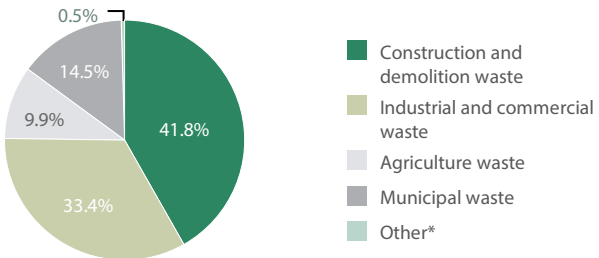
(Tons)

Source	2014	2015	2016	2017
Total	9,918,590	8,420,998	9,598,969	9,477,037
Daily average	27,174	23,071	26,227	25,964
Construction and demolition waste	4,419,665	2,876,313	4,532,379	3,959,319
Industrial and commercial waste	3,312,125	3,306,644	2,692,768	3,169,212
Agriculture waste	561,991	493,106	745,644	933,505
Municipal waste	1,466,590	1,678,983	1,561,680	1,372,140
Other*	158,219	65,952	66,499	42,861

Source: The Centre of Waste Management - Abu Dhabi, ADNOC.

* includes sludge and oil and gas sector waste.

Figure 6.2.8 Percentage Distribution of Non-Hazardous Solid Waste Generation by Region, 2017



Source: Statistics Centre - Abu Dhabi.

Health and Safety

Food safety and occupational health and safety are two major areas that receive a great deal of attention from the government of the Emirate of Abu Dhabi. In 2016, there were more than 2263 cases of foodborne illnesses and food poisoning caused by consuming foods or drinks contaminated with bacteria and viruses, comparing to 2015, percentage of illnesses caused by food poisoning and foodborne increased upto 19% from year 2015.

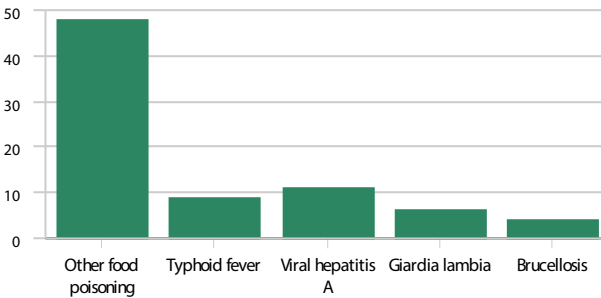
People diagnosed with food poisoning accounted for the largest percentage 62% of the total number of patients, followed by Viral hepatitis A at 14%. Regarding waste statistics

6.2.53 Number of Food Poisoning and Foodborne Illnesses by Type

Type	2013	2014	2015	2016
Total	1,949	955	1,895	2263
Other food poisoning	1,237	360	1,233	1392
Typhoid fever	248	222	275	251
Viral hepatitis A	271	224	173	318
Giardia lambia	94	100	139	184
Brucellosis	99	49	75	118

Source: Health Authority - Abu Dhabi.

Figure 6.2.9 Rate of food poisoning cases per 100,000 person by Type - 2016



Source: Statistics Centre - Abu Dhabi.

6.3. Energy and Water

Oil and Gas

Statistical data on the production and use of crude oil and natural gas, in addition to data on production and domestic sales of refined petroleum products, are provided in this section. It reflects the success accomplished by the Emirate of Abu Dhabi in achieving a distinctive and prominent position worldwide in the field of oil and gas.

The Emirate of Abu Dhabi is one of the world's major producers of oil, which was first discovered in the Emirate in 1958. The Government has adopted a long-term plan aimed at diversifying the economic base and increasing the contribution of non-oil activities to economic growth in the Emirate. Such diversification is regarded as essential for the balanced and sustainable future growth of the economy of Abu Dhabi.

The Emirate's annual production of crude oil was 1,081,743 thousand barrels in 2017, a decrease of 2.1% compared with 2016, While an increase of annual production of natural gas by 13.5% to 3,096,178 million cubic feet in 2017. The annual production of refined petroleum products totaled 40,852 thousand metric tons over the same period.

6.3.1 Crude Oil Production and Export

(Thousand Barrels)

Item	2010	2015	2016	2017
Production				
Volume	825,291	1,068,575	1,104,827	1,081,743
Daily average	2,261	2,928	3,019	2,964
External sales				
Volume	744,525	892,230	885,474	876,260
Daily average	2,040	2,444	2,419	2,401
Total number of production oil wells	1,962	2,624	2,748	2,750

Source: Abu Dhabi National Oil Company - ADNOC

Note: Export include export to other emirates and outside the UAE

Note: Production excludes condensates

6.3.2 Crude Oil Prices by Type

(\$/Barrel)

Type of Crude	2010	2015	2016	2017
Murban	79.2	52.9	44.4	54.6
Umm Al-Shaif	78.7	51.9	-	-
Lower Zakum	79.0	-	-	-
Das	-	52.0	43.6	54.5
Upper Zakum	77.3	49.4	41.1	53.2
Umm Al Dalakh	-	-	42.1	53.4
Satah	-	-	44.3	53.1
Umm Lulu	-	-	41.0	50.2
Price Average	78.5	51.6	42.7	53.2

Source: Abu Dhabi National Oil Company - ADNOC

6.3.3 Natural Gas Production

(Million cubic feet)

Item	2010	2015	2016	2017
Production				
Annual production	2,174,057	2,733,804	2,727,711	3,096,178
Daily production	5,956	7,490	7,453	8,483

Source: Abu Dhabi National Oil Company - ADNOC

6.3.4 Production and export of Liquefied Natural Gas Products

(Thousand Metric Tons)

Type of Products	2016		2017	
	Production	Export	Production	Export
Total	26,836	26,733	27,237	26,845
LNG	5,996	5,929	5,831	5,565
Propane	5,947	5,769	5,702	5,573
Butane	5,076	4,828	5,100	4,875
Pentane (plus)	3,860	4,106	3,980	4,148
Others (sulpher)	5,957	6,101	6,624	6,684

Source: Abu Dhabi National Oil Company - ADNOC

Note: Export include export to other emirates and outside the UAE

Note: Excluding condensates

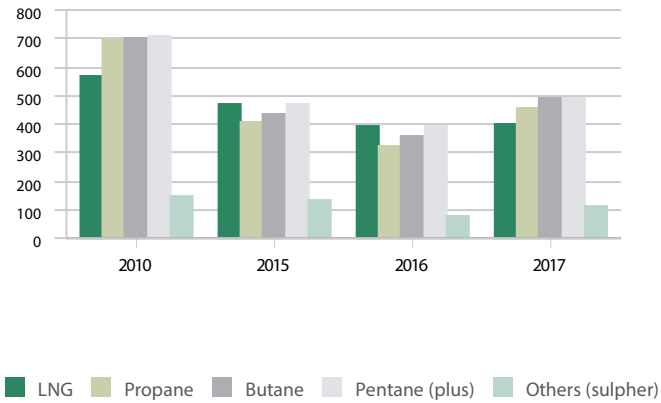
6.3.5 Prices of Liquefied Natural Gas Products

(\$/Metric Ton)

Type of Product	2010	2015	2016	2017
LNG	565	471	391	400
Propane	698	409	322	457
Butane	705	435	356	491
Pentane (plus)	708	470	395	493
Others (sulpher)	146	130	75	109

Source: Abu Dhabi National Oil Company - ADNOC

Figure 6.3.1 Prices of Liquefied Natural Gas Products (\$/Metric Ton)



Source: Abu Dhabi National Oil Company - ADNOC

6.3.6 Production and Domestic Sales of Refined Petroleum Products

(Thousand Metric Tons)

Item	2010	2015	2016	2017
Production				
Quantity	19,223	32,522	40,723	40,852
Daily Average	52.7	89.1	111.3	111.9
Domestic sales				
Quantity	10,091	13,376	16,409	14,480
Daily average	27.7	36.7	44.8	39.7
Exports				
Quantity	8,288	20,564	23,204	24,673
Daily average	22.7	56.3	63.4	67.6
Crude Oil & Condensates Input (Thousand Barrels/ daily)	427	640	640	837
Refining capacity (Thousand Barrels/ daily)	505	920	920	922

Source: Abu Dhabi National Oil Company - ADNOC

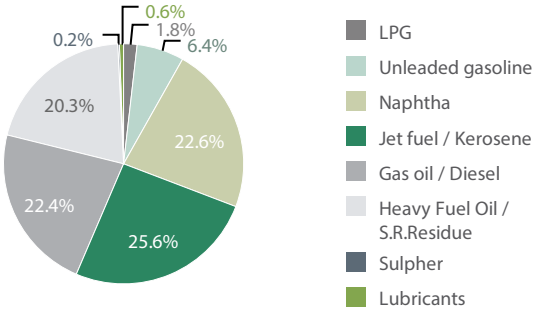
6.3.7 Production of Refined Petroleum Products

(Thousand Metric Tons)

Type of Product	2010	2015	2016	2017
Total	19,223	32,522	40,723	40,852
LPG	579	785	785	740
Unleaded gasoline	2,284	3,589	4,678	2,597
Naphtha	4,813	8,619	9,609	9,245
Jet fuel / Kerosene	5,684	9,810	11,044	10,474
Gas oil / Diesel	4,775	7,711	9,517	9,163
Heavy Fuel Oil / S.R.Residue	1,048	1,917	4,732	8,313
Lubricants	-	-	234	230
Sulphur	38.9	91	124	90

Source: Abu Dhabi National Oil Company - ADNOC

Figure 6.3.2 Production of Refined Petroleum Products, 2017 (%)



Source: Abu Dhabi National Oil Company - ADNOC

6.3.8 Domestic Sales of Refined Petroleum Products

(Thousand Metric Tons)

Type of Product	2016		2017	
	Abu Dhabi Emirate	Other Emirates	Abu Dhabi Emirate	Other Emirates
Total	9,764	6,645	8,577	5,903
LPG	215	-	222	-
Unleaded gasoline	4,258	138	3,192	105
Jet fuel / Kerosene	3,149	1,660	3,008	1,246
Gas oil / Diesel	2,142	2,884	2,137	2,521
Heavy fuel Oil / S.R.Residue	-	1,957	-	2,025
Lubricants	-	6	18	6

Source: Abu Dhabi National Oil Company - ADNOC

6.3.9 Export of Refined Petroleum Products

(Thousand Metric Ton)

Type of Product	2010	2015	2016	2017
Total	8,288	20,564	23,204	24,673
LPG	-	1,471	1,126	-
Unleaded Gasoline	-	6	10	12
Naphtha	4,269	7,733	9,658	9,214
Jet fuel / Kerosene	3,219	5,433	6,155	5,992
Gas oil / Diesel	679	3,863	4,606	4,715
Heavy fuel Oil / S.R.Residue	121	2,057	1,496	4,371
Lubricants	-	-	152	370

Source: Abu Dhabi National Oil Company - ADNOC

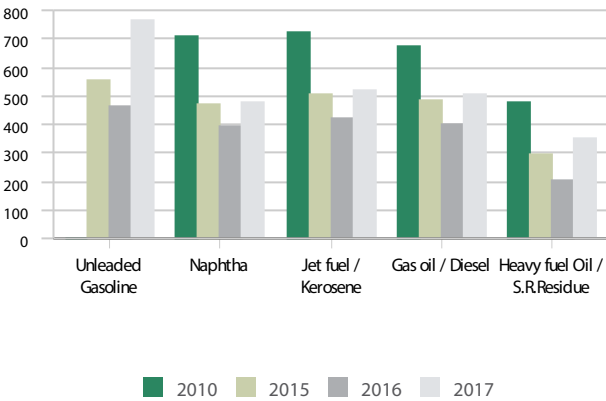
6.3.10 Export Prices of Refined Petroleum Products

(\$/Metric Ton)

Type of Product	2010	2015	2016	2017
Unleaded Gasoline	-	557	461	764
Naphtha	707	468	390	480
Jet fuel / Kerosene	720	505	424	517
Gas oil / Diesel	676	482	400	505
Heavy fuel Oil / S.R.Residue	474	292	202	350
Lubricants	-	-	-	651

Source: Abu Dhabi National Oil Company - ADNOC

Figure 6.3.3 Export Prices of Refined Petroleum Products (\$/Metric Ton)



Source: Abu Dhabi National Oil Company - ADNOC

Electricity and Water

This section contains statistics on electricity and desalinated water, including: production, consumption, production capacity, the amount of fuel used in production and the transmission networks in the Abu Dhabi, Al Ain and Al Dhafra regions.

The electricity and water activity performs a key role in Abu Dhabi's ambitious economic growth and development plans. Electricity and water activities provide the services that are essential to support the economic and social development of the Emirate.

The electricity and water activity recorded strong growth since the establishment of the Abu Dhabi Water and Electricity Authority (ADWEA) in March 1998. ADWEA is a public supervisory body responsible for implementing government policy regarding the electricity and water sector in the Emirate.

As a result of the growing demand and urban and industrial development witnessed by the Emirate, electricity production by companies in 2017 increased by 4.9 % compared with 2016, reaching 71,504 GWH. The Desalinated water available in the Emirate of Abu Dhabi totaled 244,664 million imperial gallons in 2017, an decrease of 1.5% compared with 2016.

6.3.11 Electrical Power Statistics

(MWH)

Item	2010	2015	2016	2017
Total electricity production by companies	41,712,189	66,626,469	68,183,363	71,504,164
Electricity transferred from Emal & Takreer	146,594	-	-	-
Total	41,858,783	66,626,469	68,183,363	71,504,164
Electricity exports from the Emirate of Abu Dhabi	2,685,643	7,890,644	8,897,222	11,345,459
Electricity consumption in the Emirate of Abu Dhabi*	39,173,140	58,735,825	59,286,141	60,158,705
Electricity consumption per capita	18.7	21.1	20.4	20.8
Electricity generation capacity (MW)	9,247	12,571	12,245	13,647

Source: Abu Dhabi Water and Electricity Company (ADWEC)

Note: Electricity consumption data for 2015 and 2016 were updated by Abu Dhabi Water and Electricity Company

* Consumption include internal electrical consumption by power stations & technical losses through the network

6.3.12 Consumption of Electricity by Region

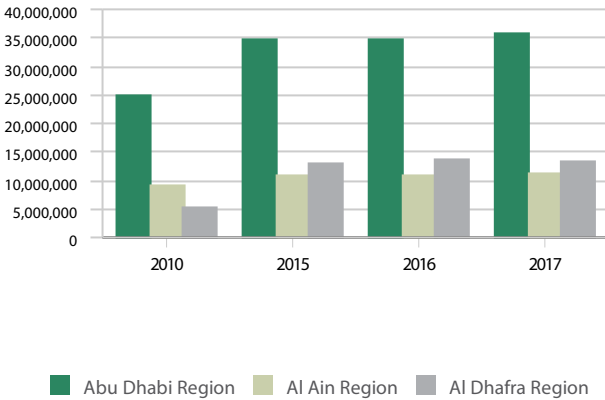
(MWH)

Region	2010	2015	2016	2017
Total consumption*	39,173,140	58,735,825	59,286,141	60,158,705
Abu Dhabi Region	24,850,010	34,850,296	34,760,574	35,768,512
Al Ain Region	9,081,380	11,025,323	10,733,791	11,107,187
Al Dhafra Region	5,241,750	12,860,206	13,791,776	13,283,005

Source: Abu Dhabi Water and Electricity Company (ADWEC)

* Consumption include internal electricity consumption by power stations & technical losses through the network
 Note: Electricity consumption data for 2015 and 2016 were updated by Abu Dhabi Water and Electricity Company

Figure 6.3.4 Consumption of Electricity by Region (MWH)



Source: Abu Dhabi Water and Electricity Company (ADWEC)

6.3.13 Percentage of Electricity Consumption by Sector

(%)

Sector	2010	2015	2016	2017
Total	100	100	100	100
Domestic	35.9	26.9	25.6	26.8
Commercial	32.1	48.2	52.1	48.2
Government	16.1	9.3	6.6	8.1
Agriculture	8.2	5.7	5.7	5.7
Industry	7.2	9.7	9.8	11.2
Other	0.6	0.3	0.1	0.1

Source: Abu Dhabi Distribution Company, Al Ain Distribution Company

6.3.14 Percentage of the Electricity Consumption by Region and Sector, 2017

(%)

Sector	Abu Dhabi	Al Ain	Al Dhafra	Total
Domestic	60.2	29.6	10.2	100
Commercial	62.9	10.8	26.3	100
Government	63.0	20.9	16.1	100
Agriculture	11.4	64.8	23.9	100
Industry	77.1	11.4	11.5	100
Other	74.8	3.7	21.4	100

Source: Abu Dhabi Distribution Company, Al Ain Distribution Company

6.3.15 Fuel Consumption of the Electricity and Water Activity

Item	2010	2015	2016	2017
Natural gas (Mscft)	450,850	676,155	803,201	814,034
Crude oil (Thousand Imperial Gallons)	134,935	6,056	677	0
Gas oil (Thousand Imperial Gallons)	81,202	6,873	1,654	12,363
Fuel oil (Thousand Imperial Gallons)	25	0	0	0

Source: Abu Dhabi Water and Electricity Company (ADWEC)

Note: The start of the pilot phase of the Mirfa International Water and Electricity Company in 2017 led to an increase in the value of consumption of gas oil

6.3.16 Fuel Consumption of the Electricity and Water Activity

(Billion BTU)

Item	2010	2015	2016	2017
Total	502,487	691,471	813,083	829,751
Natural gas	467,126	689,368	812,699	827,705
Crude oil	21,918	984	110	0
Gas oil	13,439	1,119	274	2,046
Fuel oil	4	0	0	0

Source: Abu Dhabi Water and Electricity Company (ADWEC)

Note: The start of the pilot phase of the Mirfa International Water and Electricity Company in 2017 led to an increase in the value of consumption of gas oil

6.3.17 Production, Consumption and Planned Capacity of Desalinated Water

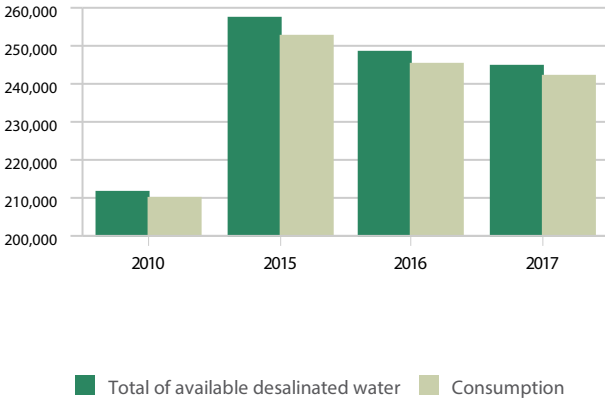
(Million Imperial Gallons)

Item	2010	2015	2016	2017
Total of available desalinated water	211,793	257,262	248,303	244,664
Production	183,561	205,818	195,060	196,848
Supply from Al - Fujairah station	28,232	51,444	53,243	47,815
Consumption	210,183	252,628	245,246	242,259
Daily consumption	576	692	670	664
Daily average per capita (Gallon)	275	249	230	229
Desalinated water capacity (MG/D)	581	683	645	697

Source: Abu Dhabi Water and Electricity Company (ADWEC)

Note: Consumption data has been updated by the source

Figure 6.3.5 Consumption and Available Desalinated Water (Million Imperial Gallons)



Source: Abu Dhabi Water and Electricity Company (ADWEC)

6.3.18 Consumption of Desalinated Water by Region

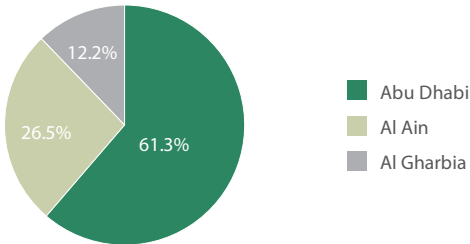
(Million Imperial Gallons)

Region	2010	2015	2016	2017
Total consumption	210,183	252,628	245,246	242,259
Abu Dhabi Region	131,529	152,109	148,646	148,627
Al Ain Region	55,204	68,949	64,882	64,120
Al Dhafra Region	23,450	31,570	31,718	29,512

Source: Abu Dhabi Water and Electricity Company (ADWEC)

Note: Consumption data has been updated by the source

Figure 6.3.6 Consumption of Desalinated Water by Region, 2017 (%)



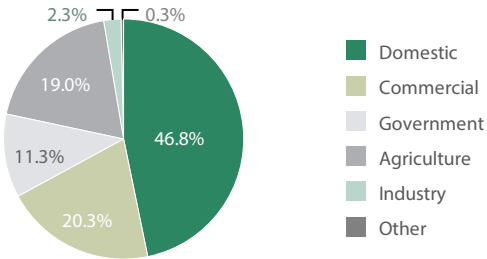
Source: Abu Dhabi Water and Electricity Company (ADWEC)

6.3.19 Percentage of Desalinated Water Consumption by Sector
(%)

Sector	2010	2015	2016	2017
Total	100	100	100	100
Domestic	55.2	47.1	42.6	46.8
Commercial	15.5	20.2	22.9	20.3
Government	22.4	14.5	12.0	11.3
Agriculture	4.0	15.5	19.7	19.0
Industry	1.5	2.4	2.6	2.3
Other	1.4	0.3	0.1	0.3

Source: Abu Dhabi Distribution Company, Al Ain Distribution Company

Figure 6.3.7 Consumption of Desalinated Water by Sector, 2017 (%)



Source: Abu Dhabi Distribution Company, Al Ain Distribution Company.

6.3.20 Percentage of Desalinated Water Consumption by Region and Sector, 2017

(%)

Sector	Abu Dhabi Region	Al Ain Region	Al Dhafra Region	Total
Domestic	65.5	20.7	13.8	100
Commercial	73.7	14.9	11.3	100
Government	63.3	18.0	18.7	100
Agriculture	46.1	50.2	3.7	100
Industry	74.8	17.6	7.6	100
Other	0.0	100.0	0.0	100

Source: Abu Dhabi Distribution Company, Al Ain Distribution Company

6.3.21 Water and Electricity Transmission Networks by Region, 2017

(Km)

Region	Abu Dhabi Region	Al Ain Region	Al Dhafra Region
Length of electricity transmission lines	2,591	2,533	3,390
Length of water transmission pipelines	889	1,759	964

Source: Abu Dhabi Transmission & Despatch Company (TRANSCO)

Renewable Energy

In the context of its efforts to diversify energy sources in Abu Dhabi, the Government of Abu Dhabi Emirate is paying special attention to renewable energy.

One of the emirate's Government initiatives in this regard is MASDAR Company, which plays a vital role in promoting the Emirate's leading position in the field of energy beyond the use of oil and gas, simulating the international efforts in decreasing carbon dioxide release that causes Global Warming, thus supporting the process of economic diversification and the development of human resources.

Statistics indicate an ongoing upward trend in the amount of energy generated, which reached 271,704 MWH in 2017. Electricity exports increased by 0.5 % while imports decreased by 63% for the same period.

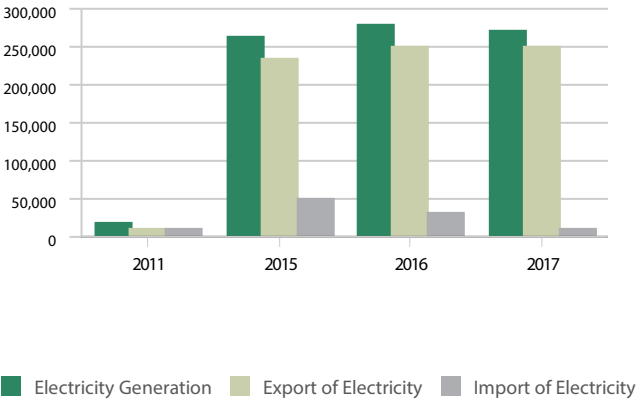
6.3.22 Renewable energy statistics

(MWH)

Item	2011	2015	2016	2017
Electricity Generation	17,986	264,014	280,085	271,704
Export of Electricity	11,291	233,147	249,725	251,093
Import of Electricity	10,668	50,955	30,360	11,232
Electricity planned capacity (MW)	11	111	111	111

Source: Abu Dhabi Future Energy Company (Masdar)
 The production of Shams solar power station started in late 2013

Figure 6.3.8 Renewable energy statistics(MWH)



Source: Abu Dhabi Future Energy Company - Masdar