



مركز الإحصاء - أبوظبي  
STATISTICS CENTRE - ABU DHABI

# Statistical Yearbook of Abu Dhabi 2012

# Statistical Yearbook of Abu Dhabi 2012

## **Vision**

To be a recognized Statistics Centre, contributing to the development effort of Abu Dhabi.

## **Mission**

**The Centre aims to:**

- Develop and organize a statistical system in the Emirate.
- Provide relevant and reliable official statistics serving policy makers, the business community and the public.

## **Values**

- **Independence:**

Maintain independence in the selection of methodologies, definitions and data sources, and in the timing of releases.

- **Transparency:**

Apply transparent and widely accepted procedures, communicating methodologies and adopting unbiased approach.

- **Reliability:**

Strive for accuracy and consistency in collecting, processing, storing and disseminating official statistics.

- **User focus:**

Meet the needs of users with relevant data, ensure easy access to information, and release official statistics in a timely way.

- **Confidentiality:**

Guarantee the privacy of individual Information.



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

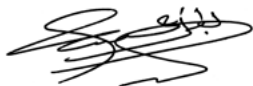
Statistics Centre - Abu Dhabi (SCAD) has the pleasure to present Abu Dhabi Statistical Yearbook – 2012 to decision makers, businessmen, researchers and all those interested in statistical data. SCAD's new yearbook closely monitors various indicators of economic, social, environmental and cultural development all over the Emirate under the stewardship of HH Sheikh Khalifa bin Zayed Al Nahyan, President of the United Arab Emirates and Ruler of Abu Dhabi and the unlimited support of 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.

This significant release includes some 650 statistical indicators, an increase of about 116 new indicators over the previous year's issue. The book offers a great deal of additional data and new tables, such as national accounts statistics at constant prices, reflecting the Centre's efforts to bring about a qualitative shift in data coverage, accuracy and presentation, in a way that would help in the study and analysis of their implications for planning and the development of integrated plans and strategies.

The publication of Abu Dhabi Statistical Yearbook, translates the SCAD's belief in the importance of timely access to statistical data for sound decision and policy making at all public and private levels.

It goes without saying that Statistics Centre - Abu Dhabi has made thorough efforts in collecting data, conducting surveys and compiling various indicators. However, the credit for the widespread interest in this book among broad segments of society goes also to the collaboration of our strategic partners, the ministries, local government entities and private enterprises, united by our joint sense of responsibility and the importance of teamwork for the progress of the nation.

As we present this issue of SCAD's Statistical Yearbook, we look forward to your remarks and suggestions about this new issue of the Yearbook regarding its coverage, the quality, analysis and presentation of the data presented, hoping that the new release will meet the needs of decision makers and all those interested in statistical data and indicators pertaining to the Emirate of Abu Dhabi.



Butti Ahmed Mohammed Bin Butti Al Qubaisi  
Director General

September 2012



## Explanation of Units and Symbols



na , -	= figure not available
0 (0.0)	= less than half of unit concerned
blank	= not applicable
c <sup>0</sup>	= 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 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

- Abu Dhabi Accounts
- Foreign Trade
- Prices
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- Government Finance
- Wages and Compensation
- Foreign Investment

## 1. Economy

Sound monetary and fiscal policies adopted by Abu Dhabi Government since the beginning of the global financial crisis, limited the effects and repercussions on most aspects of the local economy. A strong government system, which is characterized by flexibility, speed of decision-making, adaptability and ability to overcome changes contributed to this positive outcome for the emirate's economy during 2011.

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 production requirements. It is also defined as the total value added to the economy by resident producers during the year. The growth rate during a certain period of time measures the change in the size of the economy during this period.

Identifying a long term economic vision, with specific targets, supports efficient economic policy, decision-making and comparisons. This serves the interest of the Emirate and welfare of the community. Through this data, the contribution of activities and sectors in the economy can be identified.

Tables and graphs used in this chapter of the statistical year book describe the performance of all economic activities in the Emirate. Data and indicators contained in this chapter show the growth and stability achieved by Abu Dhabi's economy during the previous years. This chapter includes data on the national accounts such as Gross Domestic Product by economic activity at current and constant prices, growth rates and contribution of economic activities to GDP and per capita gross domestic product.

Capital formation by economic activities, compensation of employees at current prices and financial data of Abu Dhabi Government, as well as other data of economic interest are also included in this chapter.

2011	GDP at Current Prices (Million AED)	806,031
	GDP at 2007 Constant Prices (Million AED)	606,626
	GDP at Current Prices Growth Rate (%)	29.9%
	GDP at 2007 Constant Prices Growth Rate (%)	6.8%
	Oil Share in GDP at Current Prices (%)	58.5%
	GDP Per Capita at Current Prices (Thousand AED)	380.1
	GDP Per Capita at 2007 Constant prices (Thousand AED)	286.0
	Gross Fixed Capital Formation (Million AED)	199,001
	Foreign Direct Investment (Million AED), 2009	43,171
	Oil, Gas and Oil Products Exports of the Emirate of Abu Dhabi (Million AED)	393,439
	Non-oil Exports of the Emirate of Abu Dhabi (Million AED)	11,478
	Re-exports through the Ports of the Emirate of Abu Dhabi (Million AED)	11,567
	Imports of the Emirate of Abu Dhabi (Million AED)	116,374
	Inflation Rate (%)	1.9%

## **1.1. Economic Aggregates**

This section presents aggregate and detailed statistics on some macroeconomic variables, by the International Standard Industrial Classification of all economic activities, fourth revision (ISIC 4). It includes data on GDP by economic activity at current and constant prices, in addition to the annual growth rates, the relative distribution of the GDP by economic activity, fixed capital formation by economic activity and other data related to the emirate's economy.

The Abu Dhabi GDP estimates in 2011 amounted to AED 806,031 million at current prices, compared with AED 620,316 million at current prices in 2010. This represents an annual growth rate of 29.9 per cent in 2011 and 15.9 per cent in 2010, which confirms the strength and resilience of the emirate's economy. Accordingly, the annual per capita gross domestic product amounted to AED 380.1 thousand in 2011. The total fixed capital formation was AED 199,001 million in 2011, while compensation of employees amounted to AED 124,960 million in the same year.

GDP in constant prices shows how much goods and services were produced in volume terms and is measured by holding prices constant. GDP in constant prices has grown by 6.8 per cent in 2011 following an increase of 3.0 per cent in 2010. The main activities contributing to economic growth in 2011 were "Mining and quarrying" (including crude oil and natural gas), "Financial and insurance" and "Manufacturing" with increases of 9.4 per cent, 10.5 per cent and 9.8 per cent respectively.

### 1.1.1. Gross Domestic Product by Economic Activity at Current Prices

(Million AED)

Economic Activity	2005	2009	2010*	2011*
<b>Total</b>	<b>383,430</b>	<b>535,311</b>	<b>620,316</b>	<b>806,031</b>
Agriculture, forestry and fishing	4,600	4,698	4,795	4,837
Mining and quarrying (includes crude oil and natural gas)	215,455	239,006	308,022	471,775
Manufacturing	28,584	29,990	33,323	40,499
Electricity, gas, and water supply; waste management	8,716	14,678	14,601	16,139
Construction	26,321	79,310	80,925	81,067
Wholesale and retail trade; repair of motor vehicles and motorcycles	19,613	28,084	29,650	30,893
Transportation and storage	8,696	15,401	16,838	20,618
Accommodation and food services	3,602	6,283	6,572	6,799
Information and communication	15,262	24,022	22,881	22,929
Financial and insurance	17,988	30,154	34,498	39,202
Real estate	10,361	23,830	25,388	28,188
Professional, scientific and technical	10,252	17,385	18,417	18,794
Administrative and support services	5,858	9,695	10,371	10,901
Public administration and defence; compulsory social security	10,324	20,559	23,231	25,385
Education	5,225	7,499	8,924	9,857
Human health and social work	1,500	3,722	4,017	4,403
Arts, recreation and other services	1,598	2,068	2,206	2,316
Activities of households as employers	913	1,503	1,648	1,861
Imputed bank services	-11,436	-22,575	-25,990	-30,431

Source: Statistics Centre - Abu Dhabi

\*Preliminary estimates

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

(Million AED)

Economic Activity	2005	2009	2010*	2011*
<b>Total</b>	<b>491,664</b>	<b>551,525</b>	<b>567,850</b>	<b>606,626</b>
Agriculture, forestry and fishing	4,689	4,570	4,723	4,714
Mining and quarrying (includes crude oil and natural gas)	291,455	284,570	290,368	317,781
Manufacturing	35,316	30,170	30,373	33,361
Electricity, gas, and water supply; waste management	10,494	14,740	14,646	15,522
Construction	35,129	75,903	81,397	82,080
Wholesale and retail trade; repair of motor vehicles and motorcycles	21,602	23,744	24,767	25,645
Transportation and storage	9,974	13,727	13,851	15,578
Accommodation and food services	3,811	4,674	5,177	5,769
Information and communication	16,995	23,768	23,354	22,586
Financial and insurance	21,439	27,167	30,652	33,876
Real estate	13,828	20,034	20,070	22,250
Professional, scientific and technical	12,284	15,015	15,437	15,460
Administrative and support services	7,019	8,373	8,693	8,967
Public administration and defence; compulsory social security	11,047	13,197	14,583	15,711
Education	5,690	6,628	6,926	7,287
Human health and social work	1,576	2,442	2,622	2,818
Arts, recreation and other services	1,853	1,845	1,924	1,989
Activities of households as employers	1,093	1,298	1,381	1,530
Imputed bank services	-13,630	-20,339	-23,093	-26,297

Source: Statistics Centre - Abu Dhabi

\*Preliminary estimates

### 1.1.3. GDP Per Capita at Current Prices

Item	2005	2009	2010*	2011*
GDP (Million AED)	383,430	535,311	620,316	806,031
Oil GDP (Million AED)	215,455	239,006	308,022	471,775
Non-oil GDP (Million AED)	167,975	296,305	312,294	334,256
GDP per capita (Thousand AED)	279.0	293.1	315.3	380.1
Oil GDP per capita (Thousand AED)	156.8	130.8	156.5	222.5
Non-oil GDP per capita (Thousand AED)	122.2	162.2	158.7	157.6
GDP per capita annual growth (%)	26.1	-29.5	7.6	20.6
Oil GDP per capita annual growth (%)	39.7	-46.2	19.6	42.1
Non-oil GDP per capita annual growth (%)	12.1	-5.9	-2.2	-0.7

Source: Statistics Centre - Abu Dhabi

\*Preliminary estimates

### 1.1.4. GDP Per Capita at Constant Prices (2007)

Item	2005	2009	2010*	2011*
GDP (Million AED)	491,664	551,525	567,850	606,626
Oil GDP (Million AED)	291,455	284,570	290,368	317,781
Non-oil GDP (Million AED)	200,209	266,955	277,482	288,845
GDP per capita (Thousand AED)	357.8	301.9	288.6	286.0
Oil GDP per capita (Thousand AED)	212.1	155.8	147.6	149.8
Non-oil GDP per capita (Thousand AED)	145.7	146.1	141.0	136.2
GDP per capita annual growth (%)	-	-11.7	-4.4	-0.9
Oil GDP per capita annual growth (%)	-	-20.1	-5.3	1.5
Non-oil GDP per capita annual growth (%)	-	-0.7	-3.5	-3.4

Source: Statistics Centre - Abu Dhabi

\*Preliminary estimates

### 1.1.5. Annual Growth Rates of the GDP by Economic Activity at Current Prices

(%)

Economic Activity	2005	2009	2010*	2011*
<b>Total</b>	<b>31.7</b>	<b>-24.1</b>	<b>15.9</b>	<b>29.9</b>
Agriculture, forestry and fishing	-2.6	3.5	2.1	0.9
Mining and quarrying (includes crude oil and natural gas)	45.9	-42.1	28.9	53.2
Manufacturing	23.1	-23.3	11.1	21.5
Electricity, gas, and water supply; waste management	31.4	4.4	-0.5	10.5
Construction	25.6	20.8	2.0	0.2
Wholesale and retail trade; repair of motor vehicles and motorcycles	12.5	-13.0	5.6	4.2
Transportation and storage	9.5	-8.0	9.3	22.4
Accommodation and food services	21.8	-7.1	4.6	3.5
Information and communication	23.6	3.3	-4.8	0.2
Financial and insurance	17.6	2.0	14.4	13.6
Real estate	12.3	11.6	6.5	11.0
Professional, scientific and technical	24.7	-4.0	5.9	2.1
Administrative and support services	18.5	17.5	7.0	5.1
Public administration and defence; compulsory social security	2.8	10.2	13.0	9.3
Education	10.2	3.7	19.0	10.5
Human health and social work	-21.3	0.1	7.9	9.6
Arts, recreation and other services	46.9	30.1	6.7	5.0
Activities of households as employers	3.7	14.8	9.6	12.9
Imputed bank services	25.8	13.9	15.1	17.1

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	2009	2010*	2011*
<b>Total</b>	<b>-4.9</b>	<b>3.0</b>	<b>6.8</b>
Agriculture, forestry and fishing	-6.0	3.3	-0.2
Mining and quarrying (includes crude oil and natural gas)	-13.9	2.0	9.4
Manufacturing	-8.0	0.7	9.8
Electricity, gas, and water supply; waste management	10.1	-0.6	6.0
Construction	32.3	7.2	0.8
Wholesale and retail trade; repair of motor vehicles and motorcycles	-9.8	4.3	3.5
Transportation and storage	0.9	0.9	12.5
Accommodation and food services	-5.8	10.8	11.4
Information and communication	2.6	-1.7	-3.3
Financial and insurance	7.6	12.8	10.5
Real estate	7.3	0.2	10.9
Professional, scientific and technical	-4.8	2.8	0.1
Administrative and support services	16.6	3.8	3.1
Public administration and defence; compulsory social security	9.6	10.5	7.7
Education	8.0	4.5	5.2
Human health and social work	-1.2	7.3	7.5
Arts, recreation and other services	32.5	4.3	3.4
Activities of households as employers	13.9	6.4	10.8
Imputed bank services	20.2	13.5	13.9

Source: Statistics Centre - Abu Dhabi

\*Preliminary estimates

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

(%)

Economic Activity	2005	2009	2010*	2011*
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Agriculture, forestry and fishing	1.2	0.9	0.8	0.6
Mining and quarrying (includes crude oil and natural gas)	56.2	44.6	49.7	58.5
Manufacturing	7.5	5.6	5.4	5.0
Electricity, gas, and water supply; waste management	2.3	2.7	2.4	2.0
Construction	6.9	14.8	13.0	10.1
Wholesale and retail trade; repair of motor vehicles and motorcycles	5.1	5.2	4.8	3.8
Transportation and storage	2.3	2.9	2.7	2.6
Accommodation and food services	0.9	1.2	1.1	0.8
Information and communication	4.0	4.5	3.7	2.8
Financial and insurance	4.7	5.6	5.6	4.9
Real estate	2.7	4.5	4.1	3.5
Professional, scientific and technical	2.7	3.2	3.0	2.3
Administrative and support services	1.5	1.8	1.7	1.4
Public administration and defence; compulsory social security	2.7	3.8	3.7	3.1
Education	1.4	1.4	1.4	1.2
Human health and social work	0.4	0.7	0.6	0.5
Arts, recreation and other services	0.4	0.4	0.4	0.3
Activities of households as employers	0.2	0.3	0.3	0.2
Imputed bank services	-3.0	-4.2	-4.2	-3.8

Source: Statistics Centre - Abu Dhabi

\*Preliminary estimates

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

(%)

Economic Activity	2005	2009	2010*	2011*
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Agriculture, forestry and fishing	1.0	0.8	0.8	0.8
Mining and quarrying (includes crude oil and natural gas)	59.3	51.6	51.1	52.4
Manufacturing	7.2	5.5	5.3	5.5
Electricity, gas, and water supply; waste management	2.1	2.7	2.6	2.6
Construction	7.1	13.8	14.3	13.5
Wholesale and retail trade; repair of motor vehicles and motorcycles	4.4	4.3	4.4	4.2
Transportation and storage	2.0	2.5	2.4	2.6
Accommodation and food services	0.8	0.8	0.9	1.0
Information and communication	3.5	4.3	4.1	3.7
Financial and insurance	4.4	4.9	5.4	5.6
Real estate	2.8	3.6	3.5	3.7
Professional, scientific and technical	2.5	2.7	2.7	2.5
Administrative and support services	1.4	1.5	1.5	1.5
Public administration and defence; compulsory social security	2.2	2.4	2.6	2.6
Education	1.2	1.2	1.2	1.2
Human health and social work	0.3	0.4	0.5	0.5
Arts, recreation and other services	0.4	0.3	0.3	0.3
Activities of households as employers	0.2	0.2	0.2	0.3
Imputed bank services	-2.8	-3.7	-4.1	-4.3

Source: Statistics Centre - Abu Dhabi

\*Preliminary estimates

### 1.1.9. Foreign Trade Indicators through the Emirate of Abu Dhabi as a Percentage of the GDP at Current Prices

(%)

Item	2005	2009	2010*	2011*
<b>Total trade</b>	<b>59.0</b>	<b>57.7</b>	<b>62.4</b>	<b>66.1</b>
<b>Total exports</b>	<b>49.8</b>	<b>40.1</b>	<b>48.5</b>	<b>51.7</b>
Oil, gas and oil products exports	48.2	36.7	44.8	48.8
Non-oil exports	0.8	1.8	1.9	1.4
Re- exports	0.8	1.6	1.8	1.4
<b>Imports</b>	<b>9.2</b>	<b>17.5</b>	<b>14.0</b>	<b>14.4</b>
<b>Net trade in goods</b>	<b>40.7</b>	<b>22.6</b>	<b>34.5</b>	<b>37.2</b>

Source : Statistics Centre - Abu Dhabi

\*Preliminary estimates

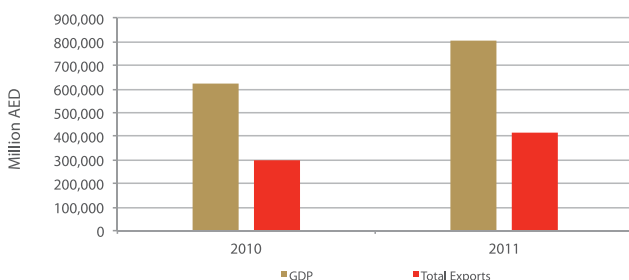
### 1.1.10. Total Exports of the Emirate of Abu Dhabi as a Percentage of the GDP at Current Prices

Item	2005	2009	2010*	2011*
GDP (Million AED)	383,430	535,311	620,316	806,031
Total exports (Million AED)	191,125	214,827	300,702	416,484
Total exports as % of the GDP	49.8	40.1	48.5	51.7

Source: Statistics Centre - Abu Dhabi

\*Preliminary estimates

**Figure 1.1.1. Total Exports of the Emirate of Abu Dhabi and the GDP at Current Prices**



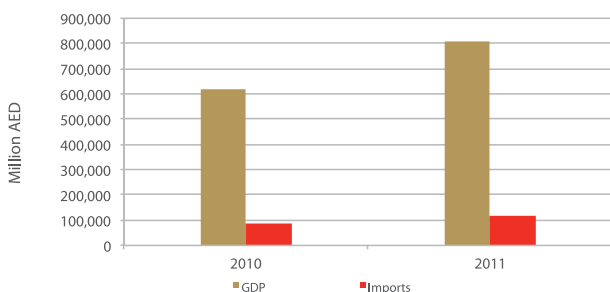
### 1.1.11. Imports of the Emirate of Abu Dhabi as a Percentage of the GDP at Current Prices

Item	2005	2009	2010	2011
GDP (Million AED)	383,430	535,311	620,316*	806,031*
Imports (Million AED)	35,214	93,872	86,574	116,374
Imports as % of the GDP	9.2	17.5	14.0*	14.4*

Source: Statistics Centre - Abu Dhabi

\*Preliminary estimates

**Figure 1.1.2. Imports of the Emirate of Abu Dhabi and the GDP at current Prices**



### 1.1.12. Gross Fixed Capital Formation by Economic Activity at Current Prices

(Million AED)

Economic Activity	2005	2009	2010*	2011*
<b>Total</b>	<b>47,278</b>	<b>155,505</b>	<b>177,466</b>	<b>199,001</b>
Agriculture, forestry and fishing	500	501	511	516
Mining and quarrying (includes crude oil and natural gas)	7,246	33,930	43,728	48,793
Manufacturing	8,631	25,609	28,282	34,395
Electricity, gas, and water supply; waste management	5,900	16,253	18,282	20,937
Construction	1,985	4,713	4,809	4,862
Wholesale and retail trade; repair of motor vehicles and motorcycles	1,107	1,591	1,676	1,774
Transportation and storage	5,192	10,448	11,301	12,885
Accommodation and food services	3,642	1,456	1,522	1,575
Information and communication	828	1,724	1,902	1,487
Financial and insurance	630	3,603	3,725	3,804
Real estate	899	12,776	13,612	13,035
Professional, scientific and technical	514	1,293	1,370	1,428
Administrative and support services	1,271	2,009	2,140	2,249
Public administration and defence; compulsory social security	7,466	37,215	42,053	48,284
Education	544	997	1,058	1,455
Human health and social work	900	1,279	1,380	1,401
Arts, recreation and other services	23	108	115	121
Activities of households as employers	0	0	0	0

Source: Statistics Centre - Abu Dhabi

\*Preliminary estimates

### 1.1.13. Percentage Distribution of Gross Fixed Capital Formation by Economic Activity at Current Prices

(%)

Economic Activity	2005	2009	2010*	2011*
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Agriculture, forestry and fishing	1.1	0.3	0.3	0.3
Mining and quarrying (includes crude oil and natural gas)	15.3	21.8	24.6	24.5
Manufacturing	18.3	16.5	15.9	17.3
Electricity, gas, and water supply; waste management	12.5	10.5	10.3	10.5
Construction	4.2	3.0	2.7	2.4
Wholesale and retail trade; repair of motor vehicles and motorcycles	2.3	1.0	0.9	0.9
Transportation and storage	11.0	6.7	6.4	6.5
Accommodation and food services	7.7	0.9	0.9	0.8
Information and communication	1.8	1.1	1.1	0.7
Financial and insurance	1.3	2.3	2.1	1.9
Real estate	1.9	8.2	7.7	6.6
Professional, scientific and technical	1.1	0.8	0.8	0.7
Administrative and support services	2.7	1.3	1.2	1.1
Public administration and defence; compulsory social security	15.8	23.9	23.7	24.3
Education	1.1	0.6	0.6	0.7
Human health and social work	1.9	0.8	0.8	0.7
Arts, recreation and other services	0.0	0.1	0.1	0.1
Activities of households as employers	0.0	0.0	0.0	0.0

Source: Statistics Centre - Abu Dhabi

\*Preliminary estimates

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

(%)

Economic Activity	2005	2009	2010*	2011*
<b>Total</b>	<b>12.3</b>	<b>29.0</b>	<b>28.6</b>	<b>24.7</b>
Agriculture, forestry and fishing	0.1	0.1	0.1	0.1
Mining and quarrying (includes crude oil and natural gas)	1.9	6.3	7.0	6.1
Manufacturing	2.3	4.8	4.6	4.3
Electricity, gas, and water supply; waste management	1.5	3.0	2.9	2.6
Construction	0.5	0.9	0.8	0.6
Wholesale and retail trade; repair of motor vehicles and motorcycles	0.3	0.3	0.3	0.2
Transportation and storage	1.4	2.0	1.8	1.6
Accommodation and food services	0.9	0.3	0.2	0.2
Information and communication	0.2	0.3	0.3	0.2
Financial and insurance	0.2	0.7	0.6	0.5
Real estate	0.2	2.4	2.2	1.6
Professional, scientific and technical	0.1	0.2	0.2	0.2
Administrative and support services	0.3	0.4	0.3	0.3
Public administration and defence; compulsory social security	1.9	7.0	6.8	6.0
Education	0.1	0.2	0.2	0.2
Human health and social work	0.2	0.2	0.2	0.2
Arts, recreation and other services	0.0	0.0	0.0	0.0
Activities of households as employers	0.0	0.0	0.0	0.0

Source: Statistics Centre - Abu Dhabi

\*Preliminary estimates

### 1.1.15. Annual Growth Rates of Gross Fixed Capital Formation by Economic Activity at Current Prices

(%)

Economic Activity	2005	2009	2010*	2011*
<b>Total</b>	<b>7.5</b>	<b>48.9</b>	<b>14.1</b>	<b>12.1</b>
Agriculture, forestry and fishing	-1.4	3.9	2.1	0.9
Mining and quarrying (includes crude oil and natural gas)	5.3	82.8	28.9	11.6
Manufacturing	11.5	35.3	10.4	21.6
Electricity, gas, and water supply; waste management	11.5	1.8	12.5	14.5
Construction	20.4	-3.2	2.0	1.1
Wholesale and retail trade; repair of motor vehicles and motorcycles	12.9	6.4	5.3	5.8
Transportation and storage	15.2	9.3	8.2	14.0
Accommodation and food services	16.7	320.9	4.6	3.5
Information and communication	15.2	143.9	10.3	-21.8
Financial and insurance	14.5	163.6	3.4	2.1
Real estate	25.1	360.5	6.5	-4.2
Professional, scientific and technical	25.1	124.3	6.0	4.2
Administrative and support services	21.0	-31.8	6.5	5.1
Public administration and defence; compulsory social security	-12.7	74.2	13.0	14.8
Education	12.0	-19.7	6.1	37.5
Human health and social work	11.7	-59.5	7.9	1.5
Arts, recreation and other services	11.8	16.3	6.8	5.0
Activities of households as employers	0.0	0.0	0.0	0.0

Source: Statistics Centre - Abu Dhabi

\*Preliminary estimates



## 1.2. Foreign Trade

Foreign trade is of paramount importance to the economy of the Emirate of Abu Dhabi and makes up a considerable proportion of the Emirate's GDP. In 2011, net trade in goods accounted for 37.2 per cent of the GDP, reflecting the Emirate's robust and highly developed level of commercial activity and the significance of foreign trade to the economy in general.

The non-oil merchandise trade statistics presented in this section comprises trade 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 these goods do not belong entirely to the Emirate of Abu Dhabi and do not fully represent Abu Dhabi non-oil merchandise trade as some of these goods might belong to other Emirates. These statistics does not record Abu Dhabi trade through ports of the other Emirates.

Commodity imports through the ports of the Emirate of Abu Dhabi were valued at AED 116.4 billion in 2011 compared with AED 86.6 billion in 2010. The main imports during 2011 were machinery and base metals, which accounted for 50.7 per cent of the total value of imports. The United States of America was the main country for imports, from which the Emirate received imports worth AED 13.4 billion. Non-oil exports were valued at AED 11.5 billion, with transport equipment and base metals contributing 61.5 per cent of the total. Canada was the top destination of Abu Dhabi non-oil exports, receiving goods worth AED 2.6 billion from the Emirate in 2011.

Re-exports in 2011 were valued at AED 11.6 billion compared with 10.9 billion in 2010. The top category during 2011 was "Machinery and transport equipment", which contributed 67.0 per cent of total re-exports. The Kingdom of Bahrain was the top country destination for re-exports with goods valued at AED 3.4 billion.

The value of imports from Asian countries through the ports of the Emirate of Abu Dhabi was AED 54.3 billion during 2011 compared with AED 38.4 billion in 2010. The value of non-oil exports to Asian countries through the ports of the Emirate of Abu Dhabi was AED 6.3 billion while re-exports to Asian countries amounted to AED 10.4 billion.

### 1.2.1. Foreign Trade Statistics through the ports of the Emirate of Abu Dhabi

(Million AED)

Item	2005	2009	2010	2011
<b>Total trade</b>	<b>226,339.5</b>	<b>308,699.4</b>	<b>387,275.7*</b>	<b>532,858.0*</b>
Total exports	191,125.2	214,827.2	300,702.1*	416,484.0*
Oil, gas and oil products	184,711.7	196,632.2	278,105.4*	393,439.0*
Non-oil exports	3,186.4	9,500.8	11,610.8	11,478.0
Re-exports	3,227.1	8,694.2	10,985.9	11,567.0
Imports	35,214.3	93,872.2	86,573.7	116,374.0
Net trade in goods	155,910.9	120,955.0	214,128.4*	300,110.0*

Source: Statistics Centre - Abu Dhabi

\* Preliminary estimates

### 1.2.2. Foreign Trade Statistics as a Percentage of Total Trade through the ports of the Emirate of Abu Dhabi

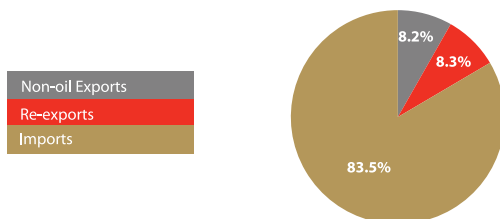
(%)

Item	2005	2009	2010	2011
<b>Total trade</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
Total exports	84.4	69.6	77.6*	78.2*
Oil, gas and oil products	81.6	63.7	71.8*	73.8*
Non-oil exports	1.4	3.1	3.0	2.2
Re-exports	1.4	2.8	2.8	2.2
Imports	15.6	30.4	22.4	21.8
Net trade in goods	68.9	39.2	55.3*	56.3*

Source: Statistics Centre - Abu Dhabi

\* Preliminary estimates

Figure 1.2.1. Non-oil Foreign Trade Statistics, 2011



### 1.2.3. Trade Balance of Non-oil Trade through the ports of the Emirate of Abu Dhabi by Sections of the Harmonized System (HS) at Current Prices, 2011

(Million AED)

Description	Exports	Re- export	Imports	Balance
<b>Total</b>	<b>11,478.0</b>	<b>11,567.0</b>	<b>116,374.0</b>	<b>-93,329.0</b>
Live animals and products thereof	94.6	24.6	2,186.1	-2,067.0
Vegetable products	64.6	59.3	3,635.6	-3,511.7
Animals or vegetable fats, oil and waxes	175.4	1.6	509.4	-332.4
Foodstuffs, beverages, spirits and tobacco	188.7	29.4	1,859.4	-1,641.3
Mineral products	47.8	29.8	4,844.3	-4,766.7
Products of the chemical or allied industries	337.0	605.8	6,957.6	-6,014.8
Plastic, rubber and articles thereof	2,442.0	130.9	4,963.4	-2,390.5
Articles of leather and animal gut; travel goods	0.8	28.2	86.7	-57.8
Articles of wood, cork; basket ware and wickerwork	6.5	60.4	438.4	-371.5
Pulp of wood, waste, scrap and article of paper	232.2	37.0	1,404.0	-1,134.8
Textiles and textile articles	116.8	1,417.1	987.1	546.8
Footwear, umbrella, articles of feather and hair	4.1	138.7	142.8	0.1
Articles of stone, mica; ceramic products and glass	174.2	95.9	2,302.0	-2,031.8
Pearls, stones, precious metals and articles thereof	3.5	12.5	432.6	-416.6
Base metals and articles of base metals	2,525.3	399.4	24,603.5	-21,678.8
Machinery, sound recorder, reproducers and parts	476.8	5,981.0	34,375.2	-27,917.4
Transport vehicles	4,529.4	1,765.9	22,504.6	-16,209.3
Photographic, medical, musical instruments and parts	6.3	135.4	2,418.3	-2,276.6
Arms and ammunition; parts and accessories	10.3	8.2	761.9	-743.4
Miscellaneous manufactured articles	39.9	117.4	858.2	-700.8
Work of art, collectors pieces and antiques	1.6	488.8	103.1	387.3

Source: Statistics Centre - Abu Dhabi

#### 1.2.4. Non-oil Exports to Import Ratio for Emirate of Abu Dhabi by Sections of the Harmonized System (HS)

(%)

Description	2005	2009	2010	2011
<b>Total</b>	<b>18.2</b>	<b>19.4</b>	<b>26.1</b>	<b>19.8</b>
Live animals and products thereof	8.8	7.9	7.0	5.5
Vegetable products	5.7	2.0	4.4	3.4
Animals or vegetable fats, oil and waxes	84.1	43.7	47.4	34.7
Foodstuffs, beverages, spirits and tobacco	11.4	12.2	13.2	11.7
Mineral products	15.9	6.1	2.8	1.6
Products of the chemical or allied industries	10.9	12.9	23.9	13.6
Plastic, rubber and articles thereof	86.3	67.7	52.8	51.8
Articles of leather and animal gut; travel goods	14.9	169.2	88.0	33.4
Articles of wood, cork; basket ware and wickerwork	16.8	8.2	19.8	15.3
Pulp of wood, waste, scrap and article of paper	20.8	37.1	30.4	19.2
Textiles and textile articles	49.3	83.8	159.8	155.4
Footwear, umbrella, articles of feather and hair	8.2	40.6	63.2	100.1
Articles of stone, mica; ceramic products and glass	12.3	13.6	22.3	11.7
Pearls, stones, precious metals and articles thereof	7.5	15.0	8.5	3.7
Base metals and articles of base metals	10.2	10.4	11.3	11.9
Machinery, sound recorder, reproducers and parts	12.2	16.4	26.0	18.8
Transport vehicles	14.7	23.1	34.2	28.0
Photographic, medical, musical instruments and parts	9.4	6.8	11.0	5.9
Arms and ammunition; parts and accessories	0.9	2.9	12.9	2.4
Miscellaneous manufactured articles	31.7	9.1	21.1	18.3
Work of art, collectors pieces and antiques	4.9	120.5	572.2	475.6

Source: Statistics Centre - Abu Dhabi

### 1.2.5. Key Indicators of Non-oil Exports of the Emirate of Abu Dhabi

(Million AED)

Non-oil Exports of Goods	2008	2009	2010	2011
<b>Total</b>	<b>6,252.0</b>	<b>9,500.8</b>	<b>11,610.8</b>	<b>11,478.0</b>
Agricultural raw materials exports	16.4	17.2	21.3	46.8
Food products	521.1	385.8	493.5	509.7
Manufactured products	5,549.6	8,838.3	10,319.5	9,880.6
Ores and metals	97.2	216.1	737.7	989.3
Other goods	67.8	43.4	38.7	51.7

**Source:** Statistics Centre - Abu Dhabi

### 1.2.6. Non-oil Exports by Emirate of Abu Dhabi by Region

(Million AED)

Region	2010		2011	
	Value	%	Value	%
<b>Total</b>	<b>11,610.8</b>	<b>100</b>	<b>11,478.0</b>	<b>100</b>
Asia	5,372.2	46.3	6,345.9	55.3
Africa	746.1	6.4	575.2	5.0
Australia	21.9	0.2	5.6	0.0
Caribbean	1.4	0.0	4.6	0.0
Central America	3.7	0.0	5.1	0.0
Europe	2,636.7	22.7	131.4	1.1
North America	27.0	0.2	2,740.4	23.9
South America	2,801.8	24.1	1,669.7	14.5

**Source:** Department of Finance - Customs Administration

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

(Million AED)

Description	2005	2009	2010	2011
<b>Total</b>	<b>3,186.4</b>	<b>9,500.8</b>	<b>11,610.8</b>	<b>11,478.0</b>
Live animals and products thereof	48.6	107.9	112.3	94.6
Vegetable products	34.1	37.7	60.0	64.6
Animals or vegetable fats, oil and waxes	125.8	107.6	154.5	175.4
Foodstuffs, beverages, spirits and tobacco	47.8	143.3	181.1	188.7
Mineral products	61.4	43.6	35.9	47.8
Products of the chemical or allied industries	148.0	237.7	509.0	337.0
Plastic, rubber and articles thereof	1,874.5	2,506.3	2,147.8	2,442.0
Articles of leather and animal gut; travel goods	8.8	1.4	1.4	0.8
Articles of wood, cork; basket ware and wickerwork	39.7	3.6	11.5	6.5
Pulp of wood, waste, scrap and article of paper	114.9	217.9	184.1	232.2
Textiles and textile articles	38.5	33.4	70.0	116.8
Footwear, umbrella, articles of feather and hair	0.4	6.0	9.1	4.1
Articles of stone, mica; ceramic products and glass	76.4	270.4	399.0	174.2
Pearls, stones, precious metals and articles thereof	3.9	5.2	12.3	3.5
Base metals and articles of base metals*	229.4	1,188.4	1,414.4	2,525.3
Machinery, sound recorder, reproducers and parts	260.9	703.7	553.4	476.8
Transport vehicles**	39.8	3,814.3	5,699.4	4,529.4
Photographic, medical, musical instruments and parts	11.4	45.1	8.3	6.3
Arms and ammunition; parts and accessories	1.2	3.8	35.8	10.3
Miscellaneous manufactured articles	20.5	22.5	10.1	39.9
Work of art, collectors pieces and antiques	0.3	1.1	1.6	1.6

**Source:** Finance Department - Customs Administration

\* The rise in 2009 is due to the increase in export of tower lattice masts and parts thereof.

\*\*The decrease during 2011 is due to lower exports of floating or submersible drilling or production platforms.

### 1.2.8. Non-oil Exports of the Emirate of Abu Dhabi to GCC Countries

(Million AED)

Countries	2010		2011	
	Value	%	Value	%
<b>Total</b>	<b>3,096.0</b>	<b>100</b>	<b>3,904.5</b>	<b>100</b>
Saudi Arabia	1,205.6	38.9	2,058.0	52.7
Oman	976.9	31.6	776.0	19.9
Qatar	650.5	21.0	632.0	16.2
Kuwait	157.9	5.1	277.3	7.1
Kingdom of Bahrain	105.2	3.4	161.3	4.1

**Source:** Department of Finance - Customs Administration

### 1.2.9. Top Trade Partners of the Emirate of Abu Dhabi (Non-oil Exports)

(Million AED)

Countries	2010		2011	
	Value	%	Value	%
<b>Total</b>	<b>11,610.8</b>	<b>100</b>	<b>11,478.0</b>	<b>100</b>
Canada	1.9	0.0	2,647.4	23.1
Saudi Arabia	1,205.6	10.4	2,058.0	17.9
Brazil	2,800.9	24.1	1,667.7	14.5
Oman	976.9	8.4	776.0	6.8
Qatar	650.5	5.6	632.0	5.5
India	434.2	3.7	629.3	5.5
China	508.5	4.4	545.3	4.8
Egypt	258.7	2.2	352.7	3.1
Kuwait	157.9	1.4	277.3	2.4
Iran	518.7	4.5	227.4	2.0
Other countries	4,097.0	35.3	1,665.0	14.5

**Source:** Department of Finance - Customs Administration

### 1.2.10. Non-oil Exports of the Emirate of Abu Dhabi by Mode of Shipping

(Million AED)

Mode of Shipping	2010		2011	
	Value	%	Value	%
<b>Total</b>	<b>11,610.8</b>	<b>100</b>	<b>11,478.0</b>	<b>100</b>
Marine	8,348.3	71.9	7,262.6	63.3
Road	3,124.4	26.9	3,914.7	34.1
Air	138.1	1.2	300.7	2.6

**Source:** Department of Finance - Customs Administration

The Emirate of Abu Dhabi exported 747.2 million barrels of crude oil in 2010. Japan, the top importer received around 35.6 per cent of the Emirate's total crude oil exports. In 2011, the Emirate exported 10.0 million metric tons of refined petroleum products, of which Holland bought 16.9 per cent, followed by Japan, which purchased 13.9 per cent.

Emirate of Abu Dhabi LNG exports increased by AED 2,973.0 million in 2011 compared with 2010, reaching AED 17,128.2 million. Japan topped the list of importers by 98.4 per cent of the LNG exports value, followed by India by 1.0 per cent in 2011. The Emirate imported 828,093.9 million cubic feet of natural gas in 2011, at a daily average of 2,268.8 million cubic feet.

### 1.2.11. Exports of Crude Oil of the Emirate of Abu Dhabi by Countries

(Thousand Barrels)

Countries	2009		2010	
	Volume	%	Volume	%
<b>Total</b>	<b>712,994</b>	<b>100</b>	<b>747,184</b>	<b>100</b>
Japan	269,891	37.9	265,955	35.6
Korea	113,153	15.9	101,998	13.7
Thailand	97,278	13.6	100,374	13.4
India	74,534	10.5	99,755	13.4
Singapore	42,116	5.9	45,467	6.1
China	24,224	3.4	40,895	5.5
Australia	16,694	2.3	12,994	1.7
Taiwan	14,833	2.1	15,369	2.1
Pakistan	13,485	1.9	16,005	2.1
Kenya	11,698	1.6	11,265	1.5
Philippines	8,794	1.2	14,949	2.0
France	985	0.1	0.0	0.0
New Zealand	3,019	0.4	6,266	0.8
United States	13,483	1.9	0.0	0.0
Bangladesh	3,254	0.5	4,172	0.6
Tanzania	2,493	0.3	749	0.1
South Africa	2,369	0.3	6,328	0.8
Indonesia	0.0	0.0	285	0.0
Malaysia	500	0.1	1,035	0.1
Rest of Europe	0.0	0.0	1,931	0.3
Other	191	0.0	1,393	0.2

Source: Abu Dhabi National Oil Company - ADNOC



## 1.2.12. Exports of Refined Petroleum Products of the Emirate of Abu Dhabi by Countries

(Metric Tons)

Countries	2010*		2011*	
	Volume	%	Volume	%
<b>TOTAL</b>	<b>8,288,700</b>	<b>100</b>	<b>10,001,548</b>	<b>100</b>
Holland	1,122,808	13.5	1,688,484	16.9
Japan	1,523,784	18.4	1,391,355	13.9
Korea	1,297,918	15.7	1,231,476	12.3
Taiwan	913,316	11.0	1,212,293	12.1
France	1,622,369	19.6	718,564	7.2
Rest of European Union	0.0	0.0	488,133	4.9
United Kingdom	276,469	3.3	394,165	3.9
Malaysia	155,050	1.9	236,218	2.4
Singapore	141,871	1.7	235,383	2.4
India	262,992	3.2	210,107	2.1
Brazil	0.0	0.0	207,678	2.1
Saudi Arabia	237,024	2.9	191,100	1.9
Pakistan	39,014	0.5	167,380	1.7
Thailand	95,846	1.2	162,320	1.6
China	0.0	0.0	152,271	1.5
Kenya	134,930	1.6	131,273	1.3
Gibraltar	0.0	0.0	129,544	1.3
Qatar	27,000	0.3	118,396	1.2
Seychelles	0.0	0.0	94,815	0.9
Yemen	41,902	0.5	80,142	0.8
Rest of Africa	64,889	0.8	68,870	0.7
Jordan	0.0	0.0	47,191	0.5
Oman	0.0	0.0	38,304	0.4
Indonesia	0.0	0.0	25,000	0.2
Djibouti	124,984	1.5	0.0	0.0
South Africa	112,418	1.4	0.0	0.0
Spain	39,787	0.5	0.0	0.0
Mozambique	33,327	0.4	0.0	0.0
Iraq	21,000	0.3	0.0	0.0
Other	0.0	0.0	581,087	5.8

Source: Abu Dhabi National Oil Company - ADNOC

\* Preliminary estimates

## 1.2.13. Natural Gas Imports of the Emirate of Abu Dhabi

(Million Cubic Feet)

Item	2008	2009	2010	2011
Volume of imports	723,022.6	755,206.6	794,785.7	828,093.9
Daily average	1,980.9	2,069.1	2,177.5	2,268.8

Source: Dolphin Energy

### 1.2.14. Exports of Liquefied Natural Gas of the Emirate of Abu Dhabi by Countries

(Million AED)

Countries	2010*		2011*	
	Value	%	Value	%
<b>Total</b>	<b>14,155.2</b>	<b>100</b>	<b>17,128.2</b>	<b>100</b>
Japan	12,367.7	87.4	16,853.5	98.4
India	0.0	0.0	166.4	1.0
Taiwan	796.6	5.6	108.3	0.6
Korea	308.0	2.2	0.0	0.0
Spain	67.4	0.5	0.0	0.0
Other countries	615.4	4.3	0.0	0.0

Source: Abu Dhabi National Oil Company - ADNOC

\* Preliminary estimates

### 1.2.15. Liquefied Natural Gas Exports of the Emirate of Abu Dhabi by Region

(Million AED)

Region	2010*		2011*	
	Value	%	Value	%
<b>Total</b>	<b>14,155.2</b>	<b>100</b>	<b>17,128.2</b>	<b>100</b>
Asia	14,087.8	99.5	17,128.2	100.0
Europe	67.4	0.5	0.0	0.0

Source: Abu Dhabi National Oil Company - ADNOC

\* Preliminary estimates

### 1.2.16. Key Indicators of Re-exports through the Ports of the Emirate of Abu Dhabi

(Million AED)

Re-exports of Goods	2008	2009	2010	2011
<b>Total</b>	<b>6,242.0</b>	<b>8,694.2</b>	<b>10,985.9</b>	<b>11,567.0</b>
Agricultural raw materials	31.1	24.7	24.4	25.7
Food products	115.9	77.0	101.0	90.6
Manufactured products	5,528.9	8,024.2	10,366.9	10,899.5
Ores and metals	43.2	12.7	21.0	33.7
Other goods	522.9	555.6	472.5	517.5

Source: Statistics Centre - Abu Dhabi

### 1.2.17. Re-exports through the ports of the Emirate of Abu Dhabi by Sections of the Harmonized System (HS)

(Million AED)

Description	2005	2009	2010	2011
<b>Total</b>	<b>3,227.1</b>	<b>8,694.2</b>	<b>10,985.9</b>	<b>11,567.0</b>
Live animals and products thereof	37.6	32.9	20.7	24.6
Vegetable products	37.1	19.0	65.0	59.3
Animals or vegetable fats, oil and waxes	27.8	9.7	1.1	1.6
Foodstuffs, beverages, spirits and tobacco	44.7	29.0	28.4	29.4
Mineral products	21.3	55.9	31.9	29.8
Products of the chemical or allied industries	113.1	271.1	469.8	605.8
Plastic, rubber and articles thereof	93.6	109.1	124.1	130.9
Articles of leather and animal gut; travel goods	7.1	138.5	60.3	28.2
Articles of wood, cork; basket ware and wickerwork	26.9	38.6	85.7	60.4
Pulp of wood, waste, scrap and article of paper	26.2	176.6	228.5	37.0
Textiles and textile articles	289.7	782.8	1,373.6	1,417.1
Footwear, umbrella, articles of feather and hair	8.4	41.4	65.6	138.7
Articles of stone, mica; ceramic products and glass	35.4	88.2	46.5	95.9
Pearls, stones, precious metals and articles thereof	4.1	56.6	5.6	12.5
Base metals and articles of base metals	324.1	377.3	376.0	399.4
Machinery, sound recorder, reproducers and parts	855.1	4,311.3	5,837.1	5,981.0
Transport vehicles	1,094.0	1,494.3	1,383.7	1,765.9
Photographic, medical, musical instruments and parts	61.9	96.0	176.1	135.4
Arms and ammunition; parts and accessories	1.7	2.9	18.2	8.2
Miscellaneous manufactured articles	117.3	65.4	143.1	117.4
Work of art, collectors pieces and antiques	0.0	497.6	445.0	488.8

**Source:** Finance Department - Customs Administration

### 1.2.18. Re-exports through the ports of the Emirate of Abu Dhabi by Region

(Million AED)

Region	2010		2011	
	Value	%	Value	%
<b>Total</b>	10,985.9	100	11,567.0	100
Asia	10,046.0	91.4	10,354.9	89.5
Africa	347.6	3.2	355.9	3.1
Australia	28.1	0.3	45.9	0.4
Caribbean	0.3	0.0	0.7	0.0
Central America	42.3	0.4	4.8	0.0
Europe	466.0	4.2	736.3	6.4
Melanesia	0.0	0.0	2.3	0.0
North America	48.7	0.4	56.2	0.5
Polynesia	0.0	0.0	0.1	0.0
South America	7.0	0.1	9.8	0.1

Source: Statistics Centre - Abu Dhabi

### 1.2.19. Re-exports through the ports of the Emirate of Abu Dhabi to GCC Countries

(Million AED)

Countries	2010		2011	
	Value	%	Value	%
<b>Total</b>	7,670.2	100	7,987.0	100
Kingdom of Bahrain	3,582.6	46.7	3,428.1	42.9
Saudi Arabia	1,271.9	16.6	1,598.7	20.0
Qatar	1,670.2	21.8	1,551.6	19.4
Kuwait	844.2	11.0	1,103.3	13.8
Oman	301.4	3.9	305.2	3.8

Source: Department of Finance - Customs Administration

### 1.2.20. Re-exports through the ports of the Emirate of Abu Dhabi by Mode of Shipping

(Million AED)

Mode of shipping	2010		2011	
	Value	%	Value	%
<b>Total</b>	10,985.9	100	11,567.0	100
Marine	1,778.6	16.2	1,045.8	9.0
Road	1,285.6	11.7	1,271.2	11.0
Air	7,921.7	72.1	9,250.0	80.0

**Source:** Department of Finance - Customs Administration

### 1.2.21. Top Trade Partners through the ports of the Emirate of Abu Dhabi (Re-exports)

(Million AED)

Countries	2010		2011	
	Value	%	Value	%
<b>Total</b>	<b>10,985.9</b>	<b>100</b>	<b>11,567.0</b>	<b>100</b>
Kingdom of Bahrain	3,582.6	32.6	3,428.1	29.6
Saudi Arabia	1,271.9	11.6	1,598.7	13.8
Qatar	1,670.2	15.2	1,551.6	13.4
Kuwait	844.2	7.7	1,103.3	9.5
India	643.3	5.9	674.5	5.8
Jordan	372.6	3.4	378.0	3.3
Iraq	94.1	0.9	320.5	2.8
Oman	301.4	2.7	305.2	2.6
Turkmenistan	288.6	2.6	246.0	2.1
Lebanon	146.4	1.3	187.1	1.6
Other Countries	1,770.7	16.1	1,773.9	15.3

**Source:** Department of Finance - Customs Administration

### 1.2.22. Key Indicators of Imports of the Emirate of Abu Dhabi

(Million AED)

Imports of Goods	2008	2009	2010	2011
<b>Total</b>	<b>90,277.0</b>	<b>93,872.2</b>	<b>86,573.7</b>	<b>116,374.0</b>
Agricultural raw materials	613.8	322.2	365.4	424.0
Food products	5,014.5	4,945.8	5,245.8	6,090.8
Manufactured products	81,245.5	83,260.8	73,692.8	95,019.2
Ores and metals	1,721.6	2,522.9	4,861.0	10,639.6
Other imported goods	1,681.7	2,820.5	2,408.7	4,200.4

**Source:** Statistics Centre - Abu Dhabi

### 1.2.23. Commodity Imports of the Emirate of Abu Dhabi by Sections of the Harmonized System (HS)

(Million AED)

Description	2005	2009	2010	2011
<b>Total</b>	<b>35,214.3</b>	<b>93,872.2</b>	<b>86,573.7</b>	<b>116,374.0</b>
Live animals and products thereof	980.1	1,784.3	1,891.8	2,186.1
Vegetable products	1,257.5	2,869.3	2,816.5	3,635.6
Animals or vegetable fats, oil and waxes	182.6	268.1	328.3	509.4
Foodstuffs, beverages, spirits and tobacco	812.3	1,408.7	1,581.9	1,859.4
Mineral products	519.9	1,619.7	2,456.3	4,844.3
Products of the chemical or allied industries	2,402.3	3,956.5	4,102.7	6,957.6
Plastic, rubber and articles thereof	2,279.9	3,865.5	4,303.7	4,963.4
Articles of leather and animal gut; travel goods	106.9	82.7	70.1	86.7
Articles of wood, cork; basket ware and wickerwork	395.5	517.5	492.1	438.4
Pulp of wood, waste, scrap and article of paper	679.0	1,063.5	1,356.3	1,404.0
Textiles and textile articles	665.7	973.5	903.2	987.1
Footwear, umbrella, articles of feather and hair	107.6	116.7	118.1	142.8
Articles of stone, mica; ceramic products and glass	909.2	2,640.5	2,002.0	2,302.0
Pearls, stones, precious metals and articles thereof	106.9	413.1	210.5	432.6
Base metals and articles of base metals	5,428.6	14,997.7	15,780.3	24,603.5
Machinery, sound recorder, reproducers and parts	9,133.3	30,584.7	24,553.6	34,375.2
Transport vehicles	7,711.9	23,024.5	20,704.1	22,504.6
Photographic, medical, musical instruments and parts	780.2	2,069.1	1,681.0	2,418.3
Arms and ammunition; parts and accessories	311.7	231.4	418.1	761.9
Miscellaneous manufactured articles	435.1	971.2	725.0	858.2
Work of art, collectors pieces and antiques	7.8	413.7	78.0	103.1

Source: Finance Department - Customs Administration

### 1.2.24. Imports of Goods to Emirate of Abu Dhabi by Region

(Million AED)

Region	2010		2011	
	Value	%	Value	%
<b>Total</b>	<b>86,573.7</b>	<b>100</b>	<b>116,374.0</b>	<b>100</b>
Asia	38,358.0	44.3	54,322.9	46.7
Africa	2,980.5	3.4	4,234.4	3.6
Australia	926.6	1.1	2,875.1	2.5
Caribbean	38.8	0.0	17.6	0.0
Central America	326.3	0.4	355.8	0.3
Europe	29,678.6	34.3	37,793.4	32.5
Melanesia	0.1	0.0	0.2	0.0
Micronesia	0.0	0.0	0.2	0.0
North America	12,797.2	14.8	14,086.5	12.1
Polynesia	0.1	0.0	0.0	0.0
South America	1,467.4	1.7	2,687.9	2.3

**Source:** Statistics Centre - Abu Dhabi

### 1.2.25. Imports of the Emirate of Abu Dhabi from GCC Countries by Value

(Million AED)

Countries	2010		2011	
	Value	%	Value	%
<b>Total</b>	<b>13,671.9</b>	<b>100</b>	<b>17,232.2</b>	<b>100</b>
Saudi Arabia	9,687.2	70.9	12,267.3	71.2
Kingdom of Bahrain	882.6	6.5	1,712.0	9.9
Qatar	1,786.8	13.1	1,302.5	7.6
Kuwait	846.7	6.2	1,167.2	6.8
Oman	468.6	3.4	783.2	4.5

**Source:** Department of Finance - Customs Administration

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

### 1.2.26. Top Trade Partners of the Emirate of Abu Dhabi (Imports)

(Million AED)

Countries	2010		2011	
	Value	%	Value	%
<b>Total</b>	<b>86,573.7</b>	<b>100</b>	<b>116,374.0</b>	<b>100</b>
United States	11,847.0	13.7	13,435.4	11.5
Saudi Arabia	9,687.2	11.2	12,267.3	10.5
South Korea	3,044.0	3.5	11,797.1	10.1
Japan	9,312.1	10.8	9,903.0	8.5
Germany	9,026.5	10.4	9,566.2	8.2
Italy	4,046.7	4.7	7,395.6	6.4
France	3,563.4	4.1	5,759.2	4.9
United Kingdom	3,767.1	4.4	4,600.8	4.0
China	2,383.2	2.8	3,961.6	3.4
Australia	856.7	1.0	2,820.3	2.4
Other Countries	29,039.9	33.5	34,867.6	30.0

**Source:** Department of Finance - Customs Administration

### 1.2.27. Imports of the Emirate of Abu Dhabi by Mode of Shipping

(Million AED)

Mode of Shipping	2010		2011	
	Value	%	Value	%
<b>Total</b>	<b>86,573.7</b>	<b>100.0</b>	<b>116,374.0</b>	<b>100.0</b>
Marine	49,677.8	57.4	73,954.3	63.5
Road	20,065.1	23.2	22,302.6	19.2
Air	16,830.8	19.4	20,117.1	17.3

**Source:** Department of Finance - Customs Administration



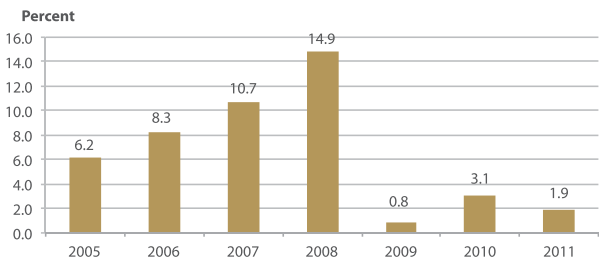
# 1.3. Prices

Price statistics, which include the inflation rate and price indices, are some of the most important statistical indicators produced by statistics centre

One of SCAD’s key indicators is the Consumer Prices Index (CPI), which is compiled with 2007 as a base year. The CPI measures changes in the prices of goods and services between two periods of time, namely the base period (2007) and the comparison period. It is the best available measure of how changes in retail prices affect the average household budget. Annual and monthly inflation rates can be calculated from the estimates of the CPI. The 2011 results of CPI calculations for the Emirate of Abu Dhabi were:

- Inflation rate in 2011 was 1.9 per cent. This was a result of an increase in the CPI from 119.3 points in 2010 to 121.6 points in 2011.
- The “Food and non-alcoholic beverages” group contributed 67.7 per cent to the total inflation rate in 2011. The average prices of this group increased by about 7.5 per cent.
- The group of “Housing, water, electricity, gas and other fuels” contributed 31.9 per cent to the total inflation rate in 2011. This was mainly as a result of the large weight of this group in the index. Prices of this group increased by 1.5 per cent.
- The group of “Transport” contributed 25.4 per cent to the inflation rate in 2011. Prices of this group rose by 5.1 per cent.
- The main group that slowed down the rise in consumer prices was “Clothing and footwear” which contributed a negative 67.4 per cent to the annual inflation. The reduction was caused by a 13.8 per cent decrease in prices for this group.

Figure 1.3.1. Annual Rates of Inflation



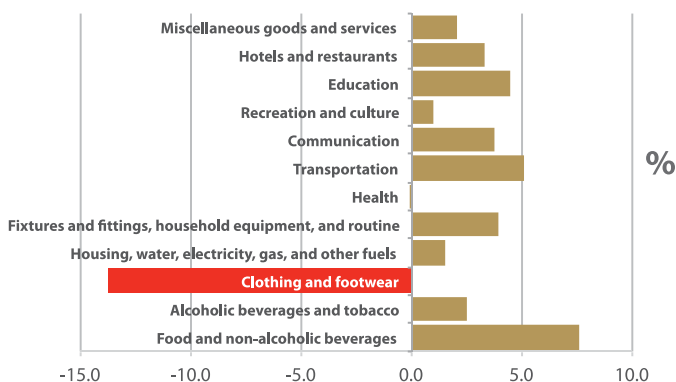
### 1.3.1. Weight, Relative Change and Contribution of Expenditure Groups to the overall change in CPI, 2011 Compared with 2010

(%)

Major Expenditure Groups	Weight (100.0)	Relative Change	Contribution
Food and non-alcoholic beverages	16.1	7.5	67.7
Alcoholic beverages and tobacco	0.3	2.5	0.3
Clothing and footwear	9.8	-13.8	-67.4
Housing, water, electricity, gas, and other fuels	37.9	1.5	31.9
Fixtures and fittings, household equipment, and routine household maintenance	4.8	3.9	9.8
Health	0.8	0.0	0.0
Transportation	9.7	5.1	25.4
Communication	7.7	3.7	12.3
Recreation and culture	2.4	1.0	1.2
Education	2.6	4.5	7.8
Hotels and restaurants	3.4	3.3	6.2
Miscellaneous goods and services	4.6	2.0	4.9

Source: Statistics Centre - Abu Dhabi

**Figure 1.3.2. Relative Change in Average Prices of CPI of the Main Expenditure Groups in 2011 Compared with 2010**



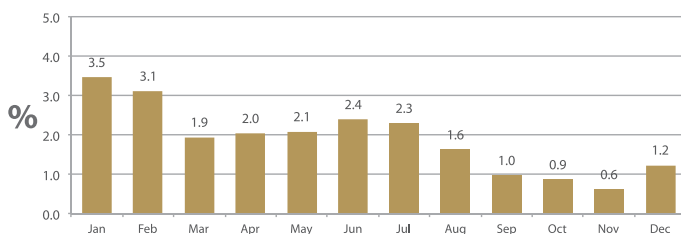
### 1.3.2. Percentage Change in the Prices of the Main Expenditure Groups

(2007=100)

Groups of Commodities and Services	Weight (100.0)	Percentage Change	
		2010	2011
Food and non-alcoholic beverages	16.1	6.9	7.5
Alcoholic beverages and tobacco	0.3	2.9	2.5
Clothing and footwear	9.8	-8.3	-13.8
Housing, water, electricity, gas and other fuels	37.9	4.4	1.5
Fixtures and fittings, household equipment, and routine household maintenance	4.8	3.8	3.9
Health	0.8	0.8	0.0
Transportation	9.7	6.5	5.1
Communication	7.7	-3.8	3.7
Recreation and culture	2.4	1.3	1.0
Education	2.6	14.2	4.5
Hotels and restaurants	3.4	1.3	3.3
Miscellaneous goods and services	4.6	1.7	2.0

Source: Statistics Centre - Abu Dhabi

Figure 1.3.3. Annual Inflation Rates for the Months of 2011



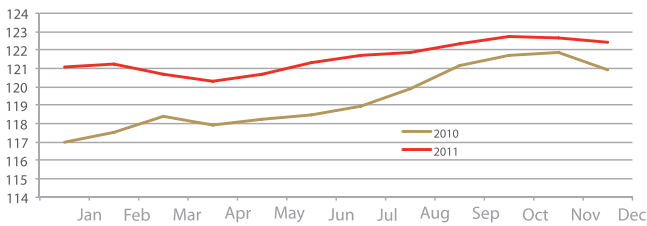
### 1.3.3. Monthly CPI

(2007=100)

Month	2010		2011	
	CPI	Current Month - Previous Month	CPI	Current Month - Previous Month
January	117.0	-0.1	121.0	0.1
February	117.6	0.6	121.2	0.2
March	118.4	0.8	120.7	-0.5
April	117.9	-0.5	120.3	-0.4
May	118.2	0.3	120.7	0.4
June	118.5	0.2	121.3	0.6
July	118.9	0.5	121.7	0.4
August	119.9	1.0	121.9	0.2
September	121.2	1.2	122.3	0.5
October	121.7	0.5	122.7	0.4
November	121.9	0.2	122.6	-0.1
December	120.9	-1.0	122.4	-0.2

Source: Statistics Centre - Abu Dhabi

Figure 1.3.4. CPI for the Months of 2010 and 2011



1.3.4. CPI and Inflation Rates

Year	CPI	Inflation Rate
2007	100.0	-
2008	114.9	14.9
2009	115.8	0.8
2010	119.3	3.1
2011	121.6	1.9

Source: Statistic Centre - Abu Dhabi

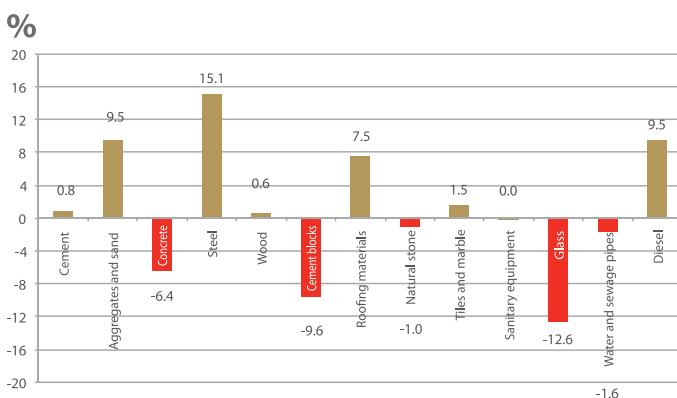
### 1.3.5. Percentage Change in the Prices of the Main Groups of Building Materials in 2011 Compared with 2010

(Price in AED)

Groups	Average Price 2010	Average Price 2011	Percentage Change
Cement	511.3	515.5	0.8
Aggregates and sand	47.6	52.1	9.5
Concrete	261.3	244.6	-6.4
Steel	2153.0	2477.3	15.1
Wood	196.1	197.3	0.6
Cement blocks	2689.2	2430.9	-9.6
Roofing materials	17.3	18.6	7.5
Natural stone	118.3	117.1	-1.0
Tiles and marble	114.1	115.8	1.5
Sanitary equipment	3552.1	3550.9	0.0
Glass	67.1	58.7	-12.6
Water and sewage pipes	50.4	49.6	-1.6
Diesel	9.8	10.7	9.5

Source: Statistics Centre - Abu Dhabi

**Figure 1.3.5. Percentage Change in the Prices of the Main Groups of Building Materials in 2011 Compared with 2010**



## 1.4. Financial Statistics

Financial intermediation activity plays an important role as one of the significant components of economic growth, and act as the main financing vehicle for most other economic activities. This section provides key indicators of the financial intermediation activity and includes statistics from the Survey of Banks and other Financial Institutions, in addition to the main performance indicators of the Abu Dhabi Securities Market.

Financial and insurance activity contributed 11.7 per cent to non-oil GDP in 2011 compared with 11.0 per cent in 2010. Registered banks dominate 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. Of the 51 banks registered at 31 December 2011 seven were Abu Dhabi based banks.

In the securities market, the total value of shares traded on the Abu Dhabi Securities Exchange during 2011 fell by 28.0 per cent compared with 2010 and by 64.4 per cent compared with 2009. This consistent decrease in the total value of shares traded could be attributed to lower share prices. The market capitalization of shares traded in 2011 fell by 7.7 per cent compared with 2010 despite an increase in the total number of listed companies from 64 to 67 over the same period.

### 1.4.1. Key Statistics of the Financial and Insurance Activity

Indicators	2008	2009	2010*	2011*
Share in GDP at current prices (%)	4.2	5.6	5.6	4.9
Share in non-oil GDP at current prices (%)	10.1	10.2	11.0	11.7
Gross output (% of the GDP at current prices)	4.7	6.5	6.4	5.6
Capital formation (% of the GDP at current prices)	0.2	0.7	0.6	0.5
Compensation of employees (Million AED)	4,877	5,525	5,713	5,964

Source: Statistics Centre-Abu Dhabi

\*Preliminary estimates

### 1.4.2. Key Statistics of Abu Dhabi Securities Market

Indicators	2005	2009	2010	2011
Total listed domestic companies	55	62	61	64
Total listed foreign companies	4	5	3	3
Market capitalization (Billion AED)	486.4	294.6	283.9	262.0
Market capitalization (% of the GDP at current prices)	126.9	55.0	45.8*	32.5*
Value traded (Billion AED)	104.7	70.0	34.6	24.9
Value traded (% of the GDP at current prices)	27.3	13.1	5.6*	3.1*
Equity market turnover ratio (%)	21.5	23.8	12.2	9.5

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

\*Preliminary estimates

## 1.5. Government Finance

Government financial statistics in this section includes revenues and expenditures of the Abu Dhabi Government. The revenue in 2011 increased by 41.3 per cent compared with 2010. The increase could mainly be attributed to petroleum revenue which rose by 55 per cent.

Current expenditure as a percentage of total public expenditure increased from 48.5 per cent in 2010 to 49.1 per cent in 2011. The sub items of current transfers, goods and services and salaries and wages contributed 26.8 per cent, 11.4 per cent and 10.8 per cent of total current expenditure.

Capital expenditure as a percentage of total public expenditure decreased from 51.5 per cent in 2010 to 50.9 per cent in 2011. The sub items of capital transfers, development expenditures on government projects and capital expenditure on goods and services contributed 23.4 per cent, 9.7 per cent and 17.8 per cent of total capital expenditure.

### 1.5.1. Percentage Distribution of Government Revenues

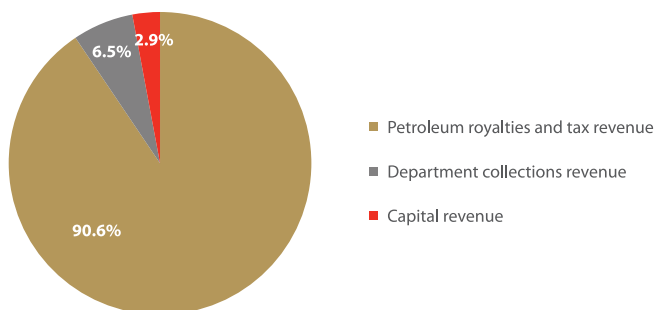
(%)

Item	2005	2009	2010	2011*
<b>Total</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
Petroleum royalties and tax revenue	85.9	89.2	82.6	90.6
Department collections revenue	11.6	8.1	7.3	6.5
Capital revenue	2.5	2.7	10.1	2.9

Source: Statistics Centre - Abu Dhabi

\*Preliminary estimates

Figure 1.5.1 Percentage Distribution of Government Revenues, 2011





### 1.5.2. Percentage Distribution of Public Expenditures

(%)

Item	2005	2009	2010	2011*
<b>Total</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
<b>Current expenditures</b>	<b>77.6</b>	<b>60.8</b>	<b>48.5</b>	<b>49.1</b>
Salaries and wages	15.4	9.8	11.3	10.8
Goods and services	15.2	11.2	9.6	11.4
Current transfers	47.0	39.8	27.6	26.8
<b>Capital expenditures</b>	<b>22.4</b>	<b>39.2</b>	<b>51.5</b>	<b>50.9</b>
Development expenditures on government projects	12.8	10.9	9.1	9.7
Capital expenditures on goods & services	1.0	0.4	17.7	17.8
Capital transfers	8.6	27.9	24.8	23.4

Source: Statistics Centre - Abu Dhabi

\*Preliminary estimates

### 1.5.3. Percentage Distribution of Public Expenditures by Type

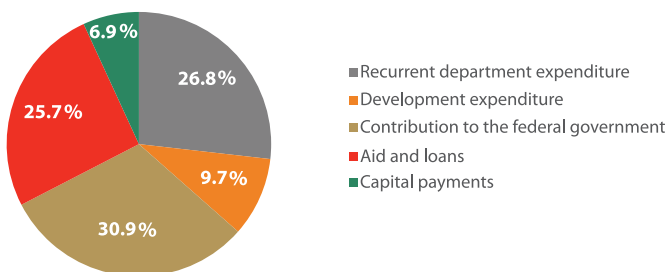
(%)

Item	2005	2009	2010	2011*
<b>Total expenditure</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
Recurrent department expenditure	23.7	27.6	25.4	26.8
Development expenditure	11.8	10.8	9.1	9.7
Contribution to the federal government	42.4	27.5	32.2	30.9
Aid and loans	18.2	24.7	23.0	25.7
Capital payments	3.9	9.3	10.3	6.9

Source: Statistics Centre - Abu Dhabi

\*Preliminary estimates

Figure 1.5.2. Percentage Distribution of Public Expenditure by Type, 2011



## 1.6. Wages and Compensation

The employee's compensation 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.

Employee's compensation at current prices increased from AED 117,432 million in 2010 to AED 124,960 million in 2011. The main economic activities contributing to the growth in 2011 were "Public administration and defence" and "Mining and quarrying" (includes crude oil and natural gas) with increases of 9.3 per cent and 12.2 per cent respectively.

### 1.6.1. Compensation of Employees by Economic Activity at Current Prices

(Million AED)

Economic Activity	2005	2009	2010*	2011*
<b>Total</b>	<b>55,877</b>	<b>107,618</b>	<b>117,432</b>	<b>124,960</b>
Agriculture, forestry and fishing	1,664	1,437	1,467	1,479
Mining and quarrying (includes crude oil and natural gas)	3,843	7,991	10,299	11,559
Manufacturing	4,617	10,220	11,281	11,741
Electricity, gas, and water supply; waste management	1,051	1,878	2,106	2,353
Construction	7,641	16,169	16,498	16,809
Wholesale and retail trade; repair of motor vehicles and motorcycles	6,232	6,603	6,956	7,411
Transportation and storage	2,724	5,106	5,542	6,016
Accommodation and food services	1,228	2,038	2,131	2,205
Information and communication	1,759	4,185	4,536	4,792
Financial and insurance	2,776	5,525	5,713	5,964
Real estate	519	1,965	2,093	2,185
Professional, scientific and technical	3,889	5,963	6,326	6,411
Administrative and support services	1,652	3,764	4,008	4,217
Public administration and defence; compulsory social security	10,324	20,559	23,231	25,385
Education	3,377	6,043	6,410	7,046
Human health and social work	1,176	5,638	6,084	6,368
Arts, recreation and other services	493	1,033	1,103	1,158
Activities of households as employers	913	1,503	1,648	1,861
Imputed bank services	0	0	0	0

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	2005	2009	2010*	2011*
<b>Total</b>	<b>19.4</b>	<b>13.2</b>	<b>9.1</b>	<b>6.4</b>
Agriculture, forestry and fishing	8.4	4.2	2.1	0.9
Mining and quarrying (includes crude oil and natural gas)	23.1	11.7	28.9	12.2
Manufacturing	19.9	35.0	10.4	4.1
Electricity, gas, and water supply; waste management	20.7	57.4	12.1	11.7
Construction	15.8	8.3	2.0	1.9
Wholesale and retail trade; repair of motor vehicles and motorcycles	29.0	-26.2	5.3	6.5
Transportation and storage	91.3	4.6	8.5	8.6
Accommodation and food services	24.4	2.2	4.6	3.5
Information and communication	76.5	46.9	8.4	5.6
Financial and insurance	23.6	13.3	3.4	4.4
Real estate	25.8	80.5	6.5	4.4
Professional, scientific and technical	25.8	-16.0	6.1	1.3
Administrative and support services	26.3	56.4	6.5	5.2
Public administration and defence; compulsory social security	2.8	10.2	13.0	9.3
Education	8.8	11.3	6.1	9.9
Human health and social work	8.4	137.6	7.9	4.7
Arts, recreation and other services	13.4	10.5	6.8	5.0
Activities of households as employers	3.7	14.8	9.6	12.9
Imputed bank services	0.0	0.0	0.0	0.0

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	2005	2009	2010*	2011*
<b>Total</b>	<b>14.6</b>	<b>20.1</b>	<b>18.9</b>	<b>15.5</b>
Agriculture, forestry and fishing	0.4	0.3	0.2	0.2
Mining and quarrying (includes crude oil and natural gas)	1.0	1.5	1.7	1.4
Manufacturing	1.2	1.9	1.8	1.5
Electricity, gas, and water supply; waste management	0.3	0.4	0.3	0.3
Construction	2.0	3.0	2.7	2.1
Wholesale and retail trade; repair of motor vehicles and motorcycles	1.6	1.2	1.1	0.9
Transportation and storage	0.7	1.0	0.9	0.7
Accommodation and food services	0.3	0.4	0.3	0.3
Information and communication	0.5	0.8	0.7	0.6
Financial and insurance	0.7	1.0	0.9	0.7
Real estate	0.1	0.4	0.3	0.3
Professional, scientific and technical	1.0	1.1	1.0	0.8
Administrative and support services	0.4	0.7	0.6	0.5
Public administration and defence; compulsory social security	2.7	3.8	3.7	3.1
Education	0.9	1.1	1.0	0.9
Human health and social work	0.3	1.1	1.0	0.8
Arts, recreation and other services	0.1	0.2	0.2	0.1
Activities of households as employers	0.2	0.3	0.3	0.2
Imputed bank services	0.0	0.0	0.0	0.0

Source: Statistics Centre - Abu Dhabi

\* Preliminary estimates

## 1.7. Foreign Investment

The Abu Dhabi Government is taking steps to establish favorable conditions that will enhance investor confidence in the economy. A transparent tax structure, with a supporting judicial system, investment encouraging business legislation and industrial zones will enhance international investor perception about business opportunities in the Emirate.

The value of Foreign Direct Investment (FDI) at the end of 2009 was AED 43,171 million, up from AED 38,855 million at the end of 2008. This increase could mainly be attributed to "Real estate and business services" (including real estate sales to non-residents), which attracted FDI worth AED 16,965 million at the end of 2009, compared with AED 12,620 million at the end of 2008. "Financial institutions and insurance" accounted for the second largest share of total FDI, with 24.6 per cent at the end of 2008 and 14.9 per cent at the end of 2009.

FDI from the GCC region amounted to AED 3,786 million or 8.8 per cent of total FDI at the end of 2009 compared with AED 5,736 million or 14.8 per cent at the end of 2008. Investments from other Arab countries totaled AED 2,900 million or 6.7 per cent and AED 2,690 million or 6.9 per cent of FDI for the years 2009 and 2008, respectively. European countries accounted for the largest proportion of FDI in the Emirate of Abu Dhabi. FDI from these countries increased from AED 9,459 million at the end of 2008 to AED 9,877 million at the end of 2009 or by 4.4 per cent.

Total portfolio investment in the Emirate of Abu Dhabi consisting of equity securities but excluding debt securities, amounted to AED 7,609 million at the end of 2009, up from AED 6,012 million at the end of 2008. "Real estate and business services" contributed the largest proportion of portfolio investments amounting to AED 5,529 million at the end of 2009 and AED 4,136 million at the end of 2008. The second largest contributor was the "Financial institutions and insurance" activity, with investments amounting to AED 1,641 million at the end of 2009 and AED 1,720 million at the end of 2008.

Other investment amounted to AED 186,739 million at the end of 2009 compared with AED 194,275 million at the end of 2008. The decrease in inward other investment could mainly be attributed to the "Financial institutions and insurance" activity which fell from AED 147,074 million at the end of 2008 to AED 138,620 million at the end of 2009.

### 1.7.1. Foreign Direct Investment by Economic Activity

( Million AED)

Economic Activity	2008		2009	
	Value	%	Value	%
<b>Total</b>	<b>38,855</b>	<b>100</b>	<b>43,171</b>	<b>100</b>
Mining and quarrying	3,296	8.5	3,436	8.0
Manufacturing industries	3,533	9.1	4,692	10.9
Electricity, gas and water	5,182	13.3	5,886	14
Construction	1,087	2.8	1,886	4.4
Wholesale retail trade and repairing services	282	0.7	392	0.9
Restaurants and hotels	4	0.0	4	0.0
Transport, storage and communication	3,218	8.3	3,419	7.9
Financial institutions and insurance	9,568	24.6	6,422	14.9
Real estate and business services *	12,620	32.5	16,965	39.3
Education	7	0.0	22	0.1
Health	26	0.1	29	0.1
Social and personal services	32	0.1	19	0.0

**Source:** Statistics Centre - Abu Dhabi

**Note:** Figures may not sum to totals due to rounding

\* Includes real estate sales to non-residents

### 1.7.2. Foreign Direct Investment by Top Ten Countries

( Million AED)

Countries	2008		2009	
	Value	%	Value	%
<b>Total</b>	<b>38,855</b>	<b>100</b>	<b>43,171</b>	<b>100</b>
United Kingdom	5,500	14.2	4,279	9.9
France	2,357	6.1	3,199	7.4
Australia	3,284	8.5	3,147	7.3
Kuwait	3,530	9.1	2,848	6.6
Japan	720	1.9	2,832	6.6
United States	1,451	3.7	1,946	4.5
China - including Hong Kong and Macau	36	0.1	1,551	3.6
Libya	1,428	3.7	1,319	3.1
Netherlands	841	2.2	1,111	2.6
Lebanon	363	0.9	642	1.5
Other countries*	19,344	49.8	20,296	47.0

**Source:** Statistics Centre - Abu Dhabi

**Note:** Figures may not sum to totals due to rounding

\* Includes real estate sales to non-residents

### 1.7.3. Foreign Direct Investment by Region

( Million AED)

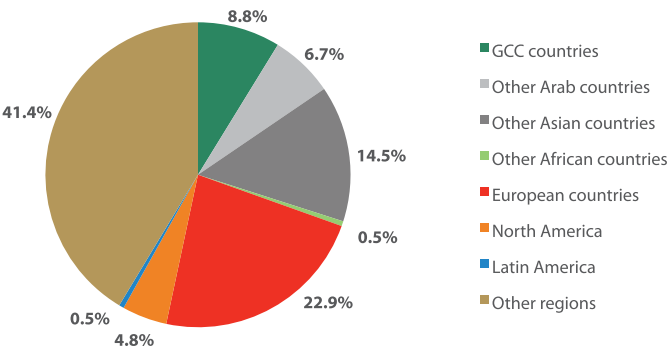
Region	2008		2009	
	Value	%	Value	%
<b>Total</b>	<b>38,855</b>	<b>100</b>	<b>43,171</b>	<b>100</b>
GCC countries	5,736	14.8	3,786	8.8
Other Arab countries	2,690	6.9	2,900	6.7
Other Asian countries	986	2.5	6,241	14.5
Other African countries	81	0.2	224	0.5
European countries	9,459	24.3	9,877	22.9
North America	1,517	3.9	2,059	4.8
Latin America	227	0.6	226	0.5
Other regions*	18,158	46.7	17,859	41.4

**Source:** Statistics Centre - Abu Dhabi

**Note:** Figures may not sum to totals due to rounding

\* Includes real estate sales to non-residents

**Figure 1.7.1. Percentage Distribution of Foreign Direct Investment by Region, 2009**



### 1.7.4. Other Investments in the Emirate of Abu Dhabi by Economic Activity

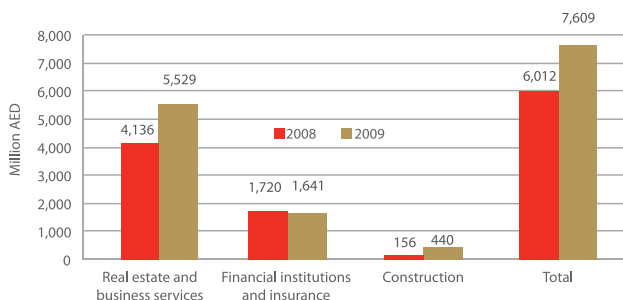
( Million AED)

Economic Activity	2008		2009	
	Value	%	Value	%
<b>Total</b>	<b>194,275</b>	<b>100</b>	<b>186,739</b>	<b>100</b>
Mining and quarrying	2,357	1.2	161	0.1
Manufacturing industries	4,194	2.2	1,880	1.0
Electricity, gas and water	18,099	9.3	19,863	10.6
Construction	1,184	0.6	2,699	1.4
Wholesale retail trade and repairing services	0.4	0.0	33.0	0.0
Transport, storage and communication	6,699	3.4	6,924	3.7
Financial institutions and insurance	147,074	75.7	138,620	74.2
Real estate and business services	14,669	7.6	16,549	8.9
Education	0	0.0	9	0.0


**Source:** Statistics Centre - Abu Dhabi

**Note:** Figures may not sum to totals due to rounding

**Figure 1.7.2. Portfolio Investments by Economic Activity**





The background of the slide features a sepia-toned image of a man's face, likely a historical figure, overlaid with large, intricate industrial gears. The man's face is positioned in the upper half, looking slightly to the left. The gears are prominent in the lower half, with one large gear on the left and another on the right, partially overlapping the man's face.

## 2. Industry and Business

- Investment Climate
- Manufacturing
- Oil and Gas
  - Petrochemicals
  - Electricity and Water
- Construction
- Transport
- ICT
- Hotels

## 02. Industry and Business

The significance of the industry and business chapter stems from the various data it provides on many economic activities with the mining and quarrying activity at the forefront. One of the most important indicators of Oil and Gas activities is the average daily production. Average production of crude oil was 2,502 thousand barrels per day in 2011, compared with 2,261 thousand in 2010, an increase of 10.7 per cent.

About 46,367 GWH of electrical power were available in 2011, an increase of 10.8 per cent compared with 2010. Per capita electricity consumption was 20.39 MWH in 2011 compared with 19.91 MWH in 2010, an increase of 2.3 per cent.

In the Tourism activity, the total number of hotel establishments totaled 129 in 2011 , an increase of 11.2 per cent compared with 2010. Over the same period, the number of guests increased by 16.6 per cent, number of rooms by 12.8 per cent and occupancy rate by 6.5 per cent, while the average length of stay reached 3.0 nights in 2011.

In the Transport activity, the number of licensed vehicles increased from 743 thousand in 2010 to 785 thousand vehicles in 2011. The number of passengers travelling through the Emirate's airports totaled 12.6 million during 2011 compared with 11.1 million during 2010.

In the Information and Communication activity, the number of mobile cellular subscriptions increased from 161 per 100 inhabitants in 2010 to 199 per 100 inhabitants in 2011, an increase of 23.6 per cent. Internet subscribers per 100 inhabitants increased from 20 in 2010 to 23 in 2011, or by 15 per cent.

2011

Total Businesses Registered	106,943
Average Daily Oil Production (Thousand Barrels)	2,502
Average Daily Gas Production (Million Cubic Feet), 2010	5,668
Total of Available Electricity in Emirate of AD (GWH)	46,367
Electricity Consumption Per Capita (MWH)	20.4
Total of Available Desalinated Water in Emirate of AD (Million Imperial Gallons)	219,788
Daily Average Consumption of Desalinated Water Per Capita (Gallon)	273
Motor Vehicles Licensed in Emirates of Abu Dhabi	785,076
Number of Passengers Using the Emirates Airports (Million)	12.6
Mobile Cellular Subscribers Per 100 Inhabitants	199
Internet Subscribers Per 100 Inhabitants	23
Number of Hotel Establishments	129
Number of Hotel Establishments Guests (Thousand)	2,112

## 2.1. Investment Climate

The 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 achieving a greater focus on a knowledge-based economy in the future. The Emirate of Abu Dhabi has come a long way in this regard and it can be argued that the Emirate's current progress and prosperity are largely due to the presence of such an environment.

There are several underlying factors behind the Emirate's attractive investment climate, including investor friendly Government policies, the implementation of a long-term economic vision, a strategic geographic location, highly developed infrastructure, miscellaneous facilities offered by the Emirate's industrial zones, very low taxation, 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 globally. These objectives combined with a strong domestic economic performance contributed to a 9.9 per cent increase in the total number of businesses registered by the Department of Economic Development in 2011.

### 2.1.1. General Indicators of Investment Climate

Indicators	2008	2009	2010	2011
<b>Total businesses registered (number)</b>	<b>73,677</b>	<b>86,402</b>	<b>96,381</b>	<b>106,943</b>
New businesses registered (number)	10,686	12,725	9,979	10,562
Business entry rate (new registrations as % of total)	14.5	14.7	10.4	9.9

**Source :** Department of Economic Development

### 2.1.2. Key Statistics of Wholesale and Retail Trade; Repair of Motor Vehicles and Motorcycles Activity

Indicators	2008	2009	2010*	2011*
Share in GDP at current prices (%)	4.6	5.2	4.8	3.8
Share in non-oil GDP at current prices (%)	11.0	9.5	9.5	9.2
Gross output (% of the GDP at current prices)	5.7	6.5	5.9	4.7
Capital formation (% of the GDP at current prices)	0.2	0.3	0.3	0.2
Compensation of employees (Million AED)	8,953	6,603	6,956	7,411

**Source:** Statistics Centre - Abu Dhabi

**\*Preliminary estimates**

## 2.2. Manufacturing

Manufacturing is one of the strategic important economic activities in the Emirate of Abu Dhabi. The long-term economic development plan focus amongst other economic activities on the manufacturing sector to contribute significantly to the development of the non-oil economy and ensure more stable economic growth in the Emirate by reducing the impact of oil price fluctuations on the economy.

Value added of the overall manufacturing activity increased from AED 29,990 million in 2009 to AED 33,323 million in 2010 or by 11.1 per cent. The main contributing activity to this increase was manufacturing of "Chemicals, plastics and related products". The share of manufacturing in total non-oil GDP increased from 10.7 per cent in 2010 to 12.1 per cent in 2011 .

### 2.2.1. Key Statistics of Manufacturing Activity

Indicators	2008	2009	2010*	2011*
Share in GDP at current prices (%)	5.5	5.6	5.4	5.0
Share in non-oil GDP at current prices (%)	13.4	10.1	10.7	12.1
Gross output (% of the GDP at current prices)	18.4	18.4	17.5	16.9
Capital formation (% of the GDP at current prices)	2.7	4.8	4.6	4.3
Compensation of employees (Million AED)	7,572	10,220	11,281	11,741

Source: Statistics Centre - Abu Dhabi

\*Preliminary estimates

## 2.2.2. Gross Output and Value Added of Manufacturing Activity

(Million AED)

Type of Manufacturing Activity	2009		2010*	
	Gross Output	Value Added	Gross Output	Value Added
<b>Total</b>	<b>98,378</b>	<b>29,990</b>	<b>108,628</b>	<b>33,323</b>
Food, beverages and tobacco	3,663	1,342	4,076	1,494
Textiles, garments and leather products	1,551	859	1,657	917
Wood and wood products	648	461	691	491
Paper, printing, publishing and reproduction media	696	342	740	367
Chemicals and plastics and related products	54,044	10,846	60,636	12,521
Non-metallic mineral products (except oil)	10,865	4,282	11,282	4,486
Manufacture of basic metal	6,164	929	6,988	1,069
Structural metal products except machinery and equipment	9,446	5,377	10,763	6,184
Machinery, equipment and devices	6,476	2,199	6,760	2,296
Furniture	737	439	768	457
Repair and installation of machinery, equipment and other manufacturing	4,088	2,913	4,268	3,042

Source: Statistics Centre - Abu Dhabi

\*Preliminary estimates

### 2.2.3. Gross Fixed Capital Formation of Manufacturing Activity

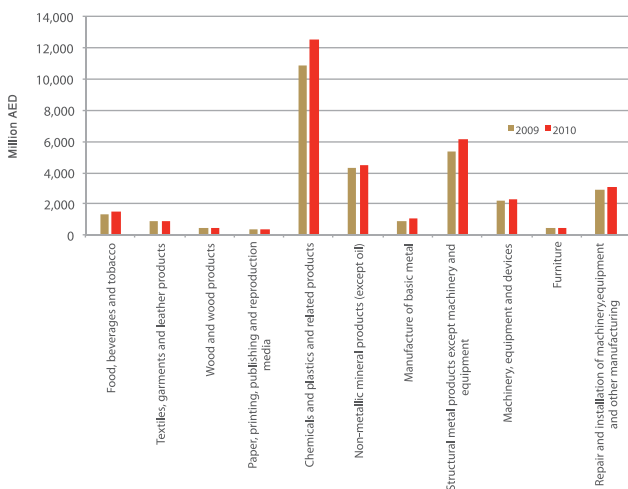
(Million AED)

Type of Manufacturing Activity	2009	2010*
<b>Total</b>	<b>25,609</b>	<b>28,282</b>
Food, beverages and tobacco	264	293
Textiles, garments and leather products	16	17
Wood and wood products	157	168
Paper, printing, publishing and reproduction media	102	106
Chemicals and plastics and related products	9,257	10,549
Non-metallic mineral products (except oil)	766	802
Manufacture of basic metal	11,719	12,816
Structural metal products except machinery and equipment	514	591
Machinery, equipment and devices	2,183	2,280
Furniture	151	157
Repair and installation of machinery, equipment and other manufacturing	482	504

Source: Statistics Centre - Abu Dhabi

\*Preliminary estimates

Figure 2.2.1. Value Added of Manufacturing Activity



#### 2.2.4. Key Statistics of Basic Metal Manufacturing Activity

Indicators	2007	2008	2009	2010*
Share in GDP at current prices (%)	0.3	0.6	0.2	0.2
Share in non-oil GDP at current prices (%)	0.7	1.5	0.3	0.3
Gross output (% of the GDP at current prices)	1.1	1.2	1.2	1.1
Capital formation (% of the GDP at current prices)	0.7	0.4	2.2	2.1
Compensation of employees (Million AED)	201	292	706	811
Imports (% of total imports)	13.3	16.7	12.3	15.2
Exports (% of total non-oil exports)	9.7	7.5	5.3	11.1

Source: Statistics Centre - Abu Dhabi

\*Preliminary estimates

## 2.3. 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. Since then the Emirate has been able to achieve remarkable progress in the investment and development of its oil wealth and natural gas resources.

Mainly as a result of an increase in the price of oil, the contribution of "Oil and gas" to the Emirate's Gross Domestic Product increased from 48.9 per cent in 2010 to 57.9 per cent in 2011. The Government adopted a long-term plan aimed at diversifying the economic base and increase 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 daily average production of crude oil increased from 2.3 million barrels per day in 2010 to 2.5 million barrels per day in 2011 or by 10.7 per cent. The daily average exports of crude oil increased from 2.0 million barrels per day to 2.3 million barrels per day or by 12.3 percent over the same period.

### 2.3.1. Key Statistics of Oil and Gas Activity

Indicators	2008	2009	2010*	2011*
Share in GDP at current prices (%)	58.1	44.0	48.9	57.9
Gross output (% of the GDP at current prices)	59.9	45.7	50.8	59.6
Capital formation (% of the GDP at current prices)	2.6	6.3	7.0	6.0
Compensation of employees (Million AED)	5,672	6,716	8,655	9,778
Imports (% of total imports)	3.1	3.5	4.0	4.1
Exports (% of total exports)	96.6	91.5	92.5	94.5

Source: Statistics Centre - Abu Dhabi

\*Preliminary estimates



### 2.3.2. Crude Oil Production and Exports

(Thousand Barrels)

Item	2005	2009	2010	2011
<b>Production</b>				
Volume	818,330	795,991	825,291	913,191
Daily average	2,242	2,181	2,261	2,502
<b>Exports</b>				
Volume	749,080	712,994	744,525	835,931*
Daily average	2,052	1,953	2,040	2,290*
<b>Total number of production oil wells</b>	na	1,896	1,962	1,999

**Source:** Abu Dhabi National Oil Company - ADNOC

**Note:** Production excludes condensates

\*Preliminary estimates

### 2.3.3. Crude Oil Prices by Type

(\$/Barrel)

Type of Crude	2005	2009	2010	2011
Murban	53.1	63.5	79.2	110.6
Umm Al-Shaif	52.5	62.3	78.7	110.0
Lower Zakum	53.1	63.5	79.0	110.4
Upper Zakum	49.0	61.4	77.3	107.0
Price Average	51.9	62.7	78.5	109.5

**Source:** Abu Dhabi National Oil Company - ADNOC

### 2.3.4. Natural Gas Production and Usage

(Million cubic feet )

Item	2005	2008	2009*	2010*
Production				
Annual production	2,069,550	2,076,642	1,966,580	2,068,695
Daily production	5,670	5,674	5,388	5,668
Usage				
Annual usage	1,903,986	1,972,810	1,927,248	2,027,321
Daily usage	5,216	5,390	5,280	5,554
Usage (%)	92	95	98	98

Source: Abu Dhabi National Oil Company - ADNOC

\*Preliminary estimates

### 2.3.5. Production and Exports of Liquefied Natural Gas Products

(Thousand Metric Tons)

Type of Products	2010*		2011*	
	Production	Exports	Production	Exports
<b>Total</b>	<b>15,222</b>	<b>14,604</b>	<b>15,679</b>	<b>15,028</b>
LNG	5,631	5,567	5,800	5,759
Propane	3,007	2,954	3,097	3,030
Butane	2,917	2,767	3,004	2,838
Pentane (plus)	1,877	1,896	1,933	1,945
Others (sulphur)	1,790	1,420	1,844	1,456

Source: Abu Dhabi National Oil Company - ADNOC

Note: Excluding Condensates

\*Preliminary estimates

### 2.3.6. Prices of Liquefied Natural Gas Products

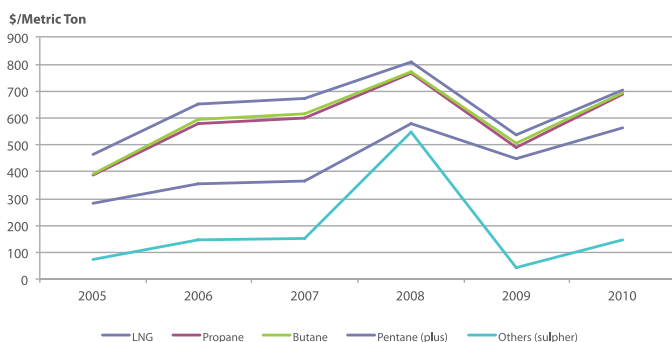
(\$/Metric Ton )

Type of Product	2005	2008	2009	2010*
LNG	283	579	447	565
Propane	388	764	488	688
Butane	392	773	505	693
Pentane (plus)	464	806	537	702
Others (sulphur)	75	546	44	145

Source: Abu Dhabi National Oil Company - ADNOC

\*Preliminary estimates

**Figure 2.3.1. Prices of Liquefied Natural Gas Products**



### 2.3.7. Production and Domestic Sales of Refined Petroleum Products

(Thousand Metric Tons)

Item	2005	2009	2010	2011
<b>Production</b>				
Quantity	18,034	17,461	19,223	20,702
Daily Average	49.4	47.8	52.7	56.7
<b>Domestic sales</b>				
Quantity	3,473	9,360	10,496*	10,228*
Daily average	9.5	25.6	28.75*	28.02*
<b>Exports</b>				
Quantity	11,049	7,391	8,288	10,002
Daily average	30.3	20.2	22.7	27.4
<b>Refining capacity (Thousand Barrels/ daily)</b>	<b>480</b>	<b>500</b>	<b>505</b>	<b>505</b>

Source: Abu Dhabi National Oil Company - ADNOC

\*Preliminary estimates

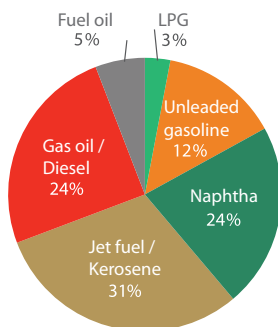
### 2.3.8. Production of Refined Petroleum Products

(Thousand Metric Tons)

Type of Product	2005	2009	2010	2011
<b>Total</b>	<b>18,034</b>	<b>17,461</b>	<b>19,223</b>	<b>20,702</b>
LPG	488.0	521.4	579.2	540.2
Unleaded gasoline	1,429.0	2,439.1	2,284.3	2,537.2
Naphtha	4,669.0	3,803.6	4,813.4	5,070.7
Jet fuel / Kerosene	5,494.0	5,266.6	5,684.0	6,422.1
Gas oil / Diesel	4,217.0	4,367.2	4,775.1	5,024.4
Fuel oil	1,689.0	1,022.2	1,047.8	1,066.8
Lubricants	48.0	na	na	na
Sulphur	na	41.1	38.9	40.9

Source: ADNOC Co, ADNOC Fod Co, Takreer

**Figure 2.3.2. Production of Refined Petroleum Products, 2011**



### 2.3.9. Domestic Sales of Refined Petroleum Products

(Million Imperial Gallon)

Type of Product	2009		2010*	
	Abu Dhabi Emirate	Other Emirates	Abu Dhabi Emirate	Other Emirates
<b>Total</b>	<b>1,593</b>	<b>402</b>	<b>1,786</b>	<b>451</b>
LPG	57.5	4.8	64.5	5.3
Unleaded gasoline	500.1	173.5	560.7	194.5
Jet fuel / Kerosene	468.5	69.8	525.3	78.2
Gas oil / Diesel	557.5	153.2	625.0	171.7
Fuel oil	2.1	-	2.3	-
Lubricants	7.3	1.1	8.2	1.2

Source: ADNOC Co, ADNOC Fod Co, Takreer

\*Preliminary estimates

### 2.3.10. Export of Refined Petroleum Products

(Thousand Metric Ton)

Type of Product	2005	2009	2010	2011
<b>Total</b>	<b>11,035</b>	<b>7,390</b>	<b>8,288</b>	<b>10,002</b>
Naphtha	4,628	3,608	4,269	5,209
Jet fuel / Kerosene	3,968	2,815	3,219	3,806
Gas oil / Diesel	1,783	725	679	987
Fuel oil	656	242	121	na

Source: Abu Dhabi National Oil Company - ADNOC

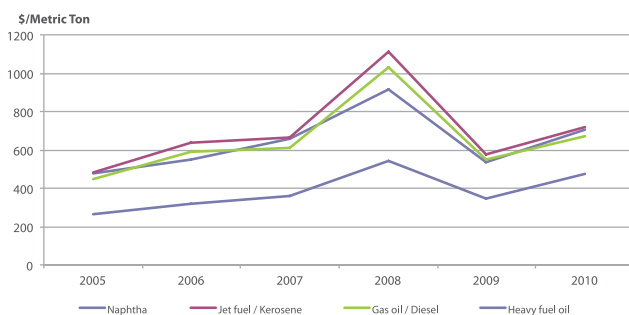
### 2.3.11. Export Prices of Refined Petroleum Products

(\$/Metric Ton)

Type of Product	2005	2009	2010	2011
Naphtha	479	538	707	924
Jet fuel / Kerosene	484	577	720	999
Gas oil / Diesel	447	551	676	939
Fuel oil	263	348	474	na

Source: Abu Dhabi National Oil Company - ADNOC

Figure 2.3.3. Export Prices of Refined Petroleum Products



## 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.

Total production of petrochemical products increased from 2,014,568 Metric Tons in 2010 to 2,789,528 Metric Tons in 2011 or by 38.5 per cent while exports of these products increased by 62.2 per cent over the same period. The most significant petrochemical exports were polyethylene and urea fertilizer. Ammonia is the key input into the manufacturing of urea fertiliser. A significant drop in the volume of ammonia exports during 2011 was mainly due to increased production of urea fertilizer.

### 2.4.1. Production and Exports of Petrochemicals Products

( Metric Tons )

Type of Products	2010		2011	
	Production	Exports	Production	Exports
Total	2,014,568	1,324,453	2,789,528	2,147,658
Ammonia	472,011	75,034	465,159	49,134
Urea fertilizer	688,045	557,600	704,590	662,804
Polyethylene	716,700	648,411	1,041,747	893,618
Polypropylene	137,812	43,408	578,032	542,101

Source: Abu Dhabi National Oil Company - ADNOC

## 2.4.2. Domestic Sales of Petrochemical Products

(Metric Tons)

Type of Products	2007	2009	2010	2011
<b>Total</b>	<b>113,879</b>	<b>81,851</b>	<b>99,848</b>	<b>145,645</b>
Urea fertilizer	62,355	29,299	48,394	45,836
Polyethylene	51,524	52,552	47,617	69,524
Polypropylene	na	na	3,837	30,285

**Source:** Abu Dhabi National Oil Company - ADNOC

## 2.4.3. Export Prices of Petrochemicals Products

(\$/Metric Tons)

Type of Products	2007	2009	2010	2011
Ammonia	257	242	351	515
Urea fertilizer	292	284	304	440
Polyethylene	1,521	1,185	1,421	1,487
Polypropylene	na	na	1,305	1,521

**Source:** Abu Dhabi National Oil Company - ADNOC

## 2.5. Electricity and Water

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.

“Electricity and water” 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.

Electricity production in 2011 increased by 10.8 per cent compared with 2010. Total electricity consumption in 2011 equaled 43,251 GW/ h, with Abu Dhabi region consuming 62.2 per cent of the total, followed by Al Ain with 21.6 per cent and Al Gharbia with 16.2 per cent. Water consumption in 2011 totaled 211,510 million imperial gallons, of which Abu Dhabi region consumed 61.6 per cent, while Al Ain and Al Gharbia regions consumed 26.9 per cent and 11.4 per cent respectively.

### 2.5.1. Key Statistics of Electricity and Water Activities

Indicators	2008	2009	2010*	2011*
Share in GDP at current prices (%) )	2.0	2.7	2.3	2.0
Share in non-oil GDP at current prices (%) )	4.8	4.9	4.6	4.8
Gross output (% of the GDP at current prices)	2.5	3.6	3.1	2.6
Capital formation (% of the GDP at current prices)	2.3	3.0	2.9	2.6
Compensation of employees (Million AED)	1,174	1,749	1,968	2,199

Source: Statistics Centre - Abu Dhabi

\*Preliminary estimates

### 2.5.2. Electrical Power Statistics

(MWH)

Item	2005	2009	2010	2011
Total electricity production by companies	25,423,723	39,219,090	41,712,189	46,314,248
Electricity transferred from Emal & Takreer	139	182,934	146,594	52,655
<b>Total</b>	<b>25,423,862</b>	<b>39,402,024</b>	<b>41,858,783</b>	<b>46,366,903</b>
Electricity exports from Emirate of Abu Dhabi	na	4,685,857	2,685,643	3,115,984
Electricity consumption in Emirate of Abu Dhabi *	25,423,862	34,716,166	39,173,140	43,250,919
Electrical consumption per capita	18.5	19.0	19.9	20.4
Electricity generation capacity (MW)	7,242	9,249	9,247	10,875

Source: Abu Dhabi Water and Electricity Company (ADWEC)

\*Consumption include internal electrical consumption by power stations & technical losses through the network



### 2.5.3. Consumption of Electricity by Region

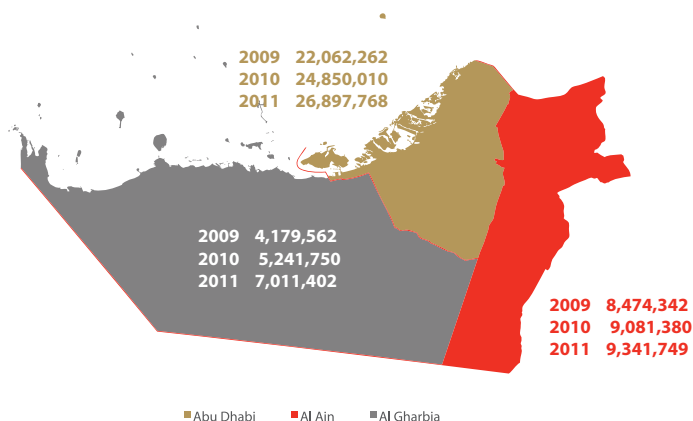
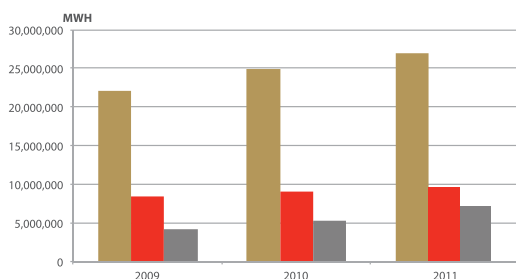
(MWH)

Region	2005	2009	2010	2011
<b>Total consumption *</b>	<b>25,423,862</b>	<b>34,716,166</b>	<b>39,173,140</b>	<b>43,250,919</b>
Abu Dhabi	16,158,411	22,062,262	24,850,010	26,897,768
Al Ain	6,849,131	8,474,342	9,081,380	9,341,749
Al Gharbia	2,416,320	4,179,562	5,241,750	7,011,402

**Source:** Abu Dhabi Water and Electricity Company (ADWEC)

\*Consumption include internal electrical consumption by power stations & technical losses through the network

**Figure 2.5.1. Consumption of Electricity by Region**



## 2.5.4. Percentage of Electricity Consumption by Sector

(%)

Sector	2008	2009	2010	2011
<b>Total</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
Domestic	39.6	37.7	35.9	30.7
Commercial	30.8	31.7	32.1	28.8
Government	16.9	16.2	16.1	25.1*
Agriculture	9.1	9.2	8.2	7.0
Industry	2.4	3.7	7.2	8.0
Other	1.2	1.4	0.6	0.4

**Source:** Abu Dhabi Distribution Company, Al Ain Distribution Company

\* Note: New meters were installed from 2008 and the cumulative reading of those meter were billed in 2011 for Western Region (Al Marfa)

## 2.5.5. Percentage of Electricity Consumption by Region and Sector, 2011

(%)

Sector	Abu Dhabi	Al Ain	Al Gharbia	Total
Domestic	63.6	30.7	5.7	100
Commercial	83.0	13.7	3.2	100
Government	36.6	15.5	47.8*	100
Agriculture	6.0	69.4	24.6	100
Industry	76.4	4.9	18.7	100
Other	75.7	6.9	17.5	100

**Source:** Abu Dhabi Distribution Company, Al Ain Distribution Company

\* Note: New meters were installed from 2008 and the cumulative reading of those meter were billed in 2011 for Al Garbia (Al Marfa)

## 2.5.6. Fuel Consumption of Electricity and Water Activity

Item	2005	2009	2010	2011
Natural gas ( Mscft)	356,621	451,579	450,850	511,674
Crude oil (Thousand Imperial Gallons)	7,924	47,914	134,935	37,317
Gas oil (Thousand Imperial Gallons)	3,368	31,658	81,202	57,206
Fuel oil (Thousand Imperial Gallons)	7.5	4,691	25	0

**Source:** Abu Dhabi Water and Electricity Company (ADWEC)

## 2.5.7. Fuel Consumption of Electricity and Water Activity

(Billion BTU)

Item	2005	2009	2010	2011
<b>Total</b>	<b>372,818</b>	<b>483,597</b>	<b>502,487</b>	<b>543,643</b>
Natural gas	370,973	469,726	467,126	528,114
Crude oil	1,287	7,783	21,918	6,062
Gas oil	557	5,239	13,439	9,467
Fuel oil	1	849	4	0

**Source:** Abu Dhabi Water and Electricity Company (ADWEC)

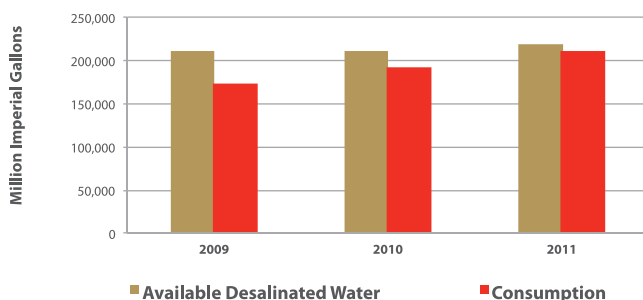
## 2.5.8. Production, Consumption and Planned Capacity of Desalinated Water

(Million Imperial Gallons)

Item	2005	2009	2010	2011
<b>Total of available desalinated water</b>	<b>163,241</b>	<b>211,448</b>	<b>211,793</b>	<b>219,788</b>
Production	140,100	185,955	183,561	187,982
Supply from Al - Fujairah station	23,141	25,493	28,232	31,806
<b>Consumption</b>	<b>146,727</b>	<b>173,781</b>	<b>192,028</b>	<b>211,510</b>
Daily consumption	402	476	526	579
Daily average per capita (Gallon)	293	261	267	273
<b>Desalinated water capacity (MG/D)</b>	<b>551</b>	<b>583</b>	<b>583</b>	<b>683</b>

**Source:** Abu Dhabi Water and Electricity Company (ADWEC)

**Figure 2.5.2. Consumption and Available Desalinated Water**



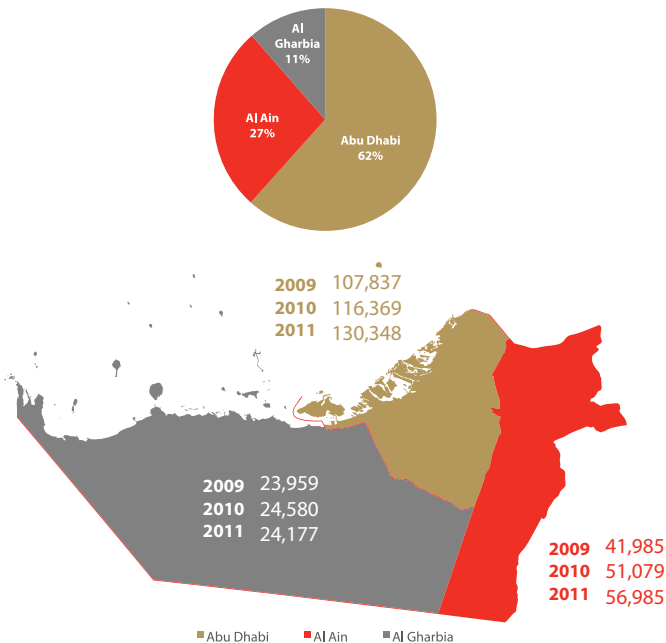
### 2.5.9. Consumption of Desalinated Water by Region

(Million Imperial Gallons)

Region	2005	2009	2010	2011
<b>Total consumption</b>	<b>146,727</b>	<b>173,781</b>	<b>192,028</b>	<b>211,510</b>
Abu Dhabi	91,048	107,837	116,369	130,348
Al Ain	35,449	41,985	51,079	56,985
Al Gharbia	20,230	23,959	24,580	24,177

**Source:** Abu Dhabi Water and Electricity Company (ADWEC)

**Figure 2.5.3. Consumption of Desalinated Water by Region, 2011**

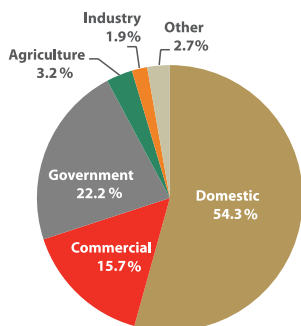


### 2.5.10. Percentage of Desalinated Water Consumption by Sector

Sector	2008	2009	2010	2011
<b>Total</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
Domestic	68.4	43.7	55.2	54.3
Commercial	9.6	15.3	15.5	15.7
Government	16.9	32.8	22.4	22.2
Agriculture	3.4	5.2	4.0	3.2
Industry	0.7	1.4	1.5	1.9
Other	1.1	1.6	1.4	2.7

**Source:** Abu Dhabi Distribution Company, Al Ain Distribution Company

**Figure 2.5.4. Consumption of Desalinated Water by Sector, 2011**



#### 2.5.11. Percentage of Desalinated Water Consumption by Region and Sector, 2011

Sector	Abu Dhabi	Al Ain	Al Gharbia	Total
Domestic	60.8	28.0	11.2	100
Commercial	83.4	8.1	8.6	100
Government	49.4	28.9	21.8	100
Agriculture	36.3	60.7	3.0	100
Industry	87.0	2.8	10.2	100
Other	83.5	14.6	2.0	100

**Source:** Abu Dhabi Distribution Company, Al Ain Distribution Company

#### 2.5.12. Water and Electricity Transmission Networks by Region, 2011

(Km)

Region	Abu Dhabi	Al Ain	Al Gharbia
Length of electricity transmission lines	1,818.0	963.3	2,258.9
Length of water transmission pipelines	1,022.8	621.1	793.7

**Source:** Abu Dhabi Transmission & Despatch Company (TRANSCO)

## 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 10.1 per cent to the GDP in 2011 compared with 13.0 per cent in 2010. Building permits statistics show that the number of residential building permits issued in 2011 reached 9,275 an increase of 19.7 per cent compared with 2010. In addition, 6,458 non-residential building permits were issued in 2011 compared with 3,785 in 2010. The number of building permits issued for construction of new buildings represented 14.3 per cent of the total number of building permits issued in 2011.

### 2.6.1. Key Statistics of the Construction Activity

Indicators	2008	2009	2010*	2011*
Share in GDP at current prices (%)	9.3	14.8	13.0	10.1
Share in non-oil GDP at current prices (%)	22.5	26.8	25.9	24.3
Gross output (% of the GDP at current prices)	16.5	27.4	24.1	18.8
Capital formation (% of the GDP at current prices)	0.7	0.9	0.8	0.6
Compensation of employees (Million AED)	14,924	16,169	16,498	16,809

Source: Statistics Centre - Abu Dhabi

\*Preliminary estimates

### 2.6.2. Number of Permits Issued by Type and Region, 2009

Type of Permits	Abu Dhabi	Al Ain	Al Gharbia
<b>Total</b>	8,819	2,949	855
New building	1,429	939	160
Permits renewal or amendments	655	472	38
Additions	2,609	956	427
Improvements and decorations	22	357	215
Temporary	3,629	24	7
Demolition	264	185	5
Others	211	16	3

Source: Department of Municipal Affairs - Municipality of Abu Dhabi- Al Ain-Western Region

### 2.6.3. Number of Permits Issued by Type and Region, 2010

Type of Permits	Abu Dhabi	Al Ain	Al Gharbia
<b>Total</b>	<b>7,268</b>	<b>3,377</b>	<b>887</b>
New building	2,066	1,029	140
Permits renewal or amendments	642	599	80
Additions	1,872	982	429
Improvements and decorations	2,028	558	188
Temporary	279	13	7
Demolition	107	187	23
Others	274	9	20

**Source:** Department of Municipal Affairs - Municipality of Abu Dhabi- Al Ain-Western Region

### 2.6.4. Number of Building Permits Issued by Type and Region, 2011

Type of Permits	Abu Dhabi	Al Ain	Al Gharbia
<b>Total</b>	<b>11,293</b>	<b>3,439</b>	<b>1,001</b>
New building	1,143	949	163
Permits renewal or amendments	4,423	14	192
Additions	2,180	1,769	416
Improvements and decorations	2,538	260	176
Temporary	450	32	12
Demolition	126	324	23
Others	433	91	19

**Source:** Department of Municipal Affairs - Municipality of Abu Dhabi- Al Ain-Western Region

### 2.6.5. Number of Building Permits Issued by Building Usage and Region, 2009

Building Usage	Abu Dhabi	Al Ain	Al Gharbia
<b>Total</b>	<b>8,819</b>	<b>2,949</b>	<b>855</b>
Residential	3,718	2,114	534
Commercial	388	304	146
Industrial	338	232	9
Public utilities	424	189	62
Agricultural	0	76	38
Residential and commercial	296	0	0
Temporary	3,629	0	0
Others	26	34	66

**Source:** Department of Municipal Affairs - Municipality of Abu Dhabi- Al Ain-Western Region

### 2.6.6. Number of Building Permits Issued by Building Usage and Region, 2010

Building Usage	Abu Dhabi	Al Ain	Al Gharbia
<b>Total</b>	<b>7,268</b>	<b>3,377</b>	<b>887</b>
Residential	4,473	2,422	653
Commercial	968	313	75
Industrial	638	196	100
Public utilities	3	84	34
Agricultural	80	56	24
Residential and commercial	6	193	0
Temporary	279	0	0
Others	821	113	1

**Source:** Department of Municipal Affairs - Municipality of Abu Dhabi- Al Ain-Western Region



### 2.6.7. Number of Building Permits Issued by Building Usage and Region, 2011

Building Usage	Abu Dhabi	Al Ain	Al Gharbia
<b>Total</b>	<b>11,293</b>	<b>3,439</b>	<b>1,001</b>
Residential	6,267	2,386	622
Commercial	2,272	342	95
Industrial	1,095	166	107
Public utilities	11	98	98
Agricultural	84	0	46
Temporary	0	45	33
Others	1,564	402	0

**Source:** Department of Municipal Affairs - Municipality of Abu Dhabi- Al Ain-Western Region

### 2.6.8. Number of Building Permits Issued by Type and Building Usage - Abu Dhabi, 2009

Building Usage	Type of permits			
	New Building	Permits Renewal or Amendments	Demolition	Additions and Decorations
<b>Total*</b>	<b>1,425</b>	<b>654</b>	<b>264</b>	<b>2,614</b>
Residential	959	491	70	2,193
Commercial	78	63	69	141
Industrial	87	50	77	120
Public utilities	207	15	48	116
Residential and commercial	94	35	0	44

**Source:** Department of Municipal Affairs - Municipality of Abu Dhabi

\* Does not include temporary permits and others

### 2.6.9. Number of Building Permits Issued by Type and Building Usage - Abu Dhabi, 2010

Building Usage	Type of Permits			
	New Building	Permits Renewal or Amendments	Demolition	Additions and Decorations
<b>Total*</b>	<b>1,502</b>	<b>611</b>	<b>89</b>	<b>3,678</b>
Residential	1,267	520	68	2,477
Commercial	105	20	11	772
Industrial	128	70	10	424
Public utilities	0	0	0	2
Residential and commercial	2	1	0	3

**Source:** Department of Municipal Affairs - Municipality of Abu Dhabi

\* Does not include temporary permits and others

### 2.6.10. Number of Building Permits Issued by Type and Building Usage - Abu Dhabi, 2011

Building Usage	Type of Permits			
	New Building	Permits Renewal or Amendments	Demolition	Additions and Decorations
<b>Total*</b>	<b>1,038</b>	<b>4,132</b>	<b>125</b>	<b>3,842</b>
Residential	723	2,949	92	2,065
Commercial	217	618	24	1,285
Industrial	72	548	9	447
Public utilities	0	0	0	6
Agricultural	26	17	0	39

**Source:** Department of Municipal Affairs - Municipality of Abu Dhabi

\* Does not include temporary permits and others

### 2.6.11. Number of Building Permits Issued by Type and Building Usage - Al Ain, 2009

Building Usage	Type of permits			
	New Building	Permits Renewal or Amendments	Demolition	Additions and Decorations
<b>Total*</b>	<b>908</b>	<b>471</b>	<b>185</b>	<b>1,312</b>
Residential	734	336	138	898
Commercial	57	32	33	163
Industrial	80	77	12	63
Public utilities	31	18	1	127
Agricultural	6	8	1	61

**Source:** Department of Municipal Affairs - Municipality of Al Ain

\* Does not include temporary permits and others

### 2.6.12. Number of Building Permits Issued by Type and Building Usage - Al Ain, 2010

Building Usage	Type of Permits			
	New Building	Permits Renewal or Amendments	Demolition	Additions and Decorations
<b>Total*</b>	<b>937</b>	<b>595</b>	<b>184</b>	<b>1,526</b>
Residential	719	500	91	1,106
Commercial	39	30	15	215
Industrial	69	29	12	86
Public utilities	28	7	3	45
Agricultural	3	9	0	44
Residential and commercial	79	20	63	30

**Source:** Department of Municipal Affairs - Municipality of Al Ain

\* Does not include temporary permits and others

### 2.6.13. Number of Building Permits Issued by Type and Building Usage - Al Ain, 2011

Building Usage	Type of Permits			
	New Building	Permits Renewal or Amendments	Demolition	Additions and Decorations
<b>Total*</b>	<b>949</b>	<b>14</b>	<b>324</b>	<b>1,772</b>
Residential	851	14	0	1,521
Commercial	17	0	324	68
Industrial	58	0	0	108
Public utilities	23	0	0	75

**Source:** Department of Municipal Affairs - Municipality of Al Ain

\* Does not include temporary permits and others

### 2.6.14. Number of Building Permits Issued by Type and Building Usage - Al Gharbia, 2009

Building Usage	Type of permits			
	New Building	Permits Renewal or Amendments	Demolition	Additions and Decorations
<b>Total*</b>	<b>153</b>	<b>28</b>	<b>5</b>	<b>594</b>
Residential	88	16	3	423
Commercial	30	4	2	110
Industrial	5	0	0	3
Public utilities	30	7	0	21
Agricultural	0	1	0	37

**Source:** Department of Municipal Affairs - Municipality of Western Region

\* Does not include temporary permits and others

### 2.6.15. Number of Building Permits Issued by Type and Building Usage - Al Gharbia, 2010

Building Usage	Type of Permits			
	New Building	Permits Renewal or Amendments	Demolition	Additions and Decorations
<b>Total*</b>	<b>140</b>	<b>80</b>	<b>23</b>	<b>598</b>
Residential	82	54	9	494
Commercial	6	4	2	58
Industrial	39	15	9	37
Public utilities	10	5	3	9
Agricultural	3	2	0	0

**Source:** Department of Municipal Affairs - Municipality of Western Region

\* Does not include temporary permits and others

### 2.6.16. Number of Building Permits Issued by Type and Building Usage - Al Gharbia, 2011

Building Usage	Type of Permits			
	New Building	Permits Renewal or Amendments	Demolition	Additions and Decorations
<b>Total*</b>	<b>154</b>	<b>185</b>	<b>23</b>	<b>589</b>
Residential	72	118	14	408
Commercial	28	7	0	59
Industrial	17	38	5	47
Public utilities	28	19	4	41
Agricultural	9	3	0	34

**Source:** Department of Municipal Affairs - Municipality of Western Region

\* Does not include temporary permits and others

## 2.7. Transportation

Transport activity provides some of the key infrastructure that is required for the continued economic development of the Emirate of Abu Dhabi. Strong economic growth requires ongoing investment that will create new transport links and upgrade existing infrastructure while improving connections between the emirates geographical regions and with global markets.

Continued investment in the emirates transport infrastructure contributed to the transport and telecommunication activities maintaining a significant share in Gross Domestic Product during 2011.

The number of vehicles increased by 5.7 per cent in 2011, while total aircraft movements in 2011 were about 145.2 thousand flights compared with 138.8 thousand flights in 2010, an increase of 4.6 per cent. The number of passengers equaled 12.6 million in 2011, an increase of 13.6 per cent compared with 2010.

Water transport statistics include data on vessels, containers, cargo, and vessels turnaround time. The number of vessels increased from 2,086 in 2010 to 2,244 in 2011 or by 7.6 per cent.

### 2.7.1. Key Statistics of Transportation and Storage

Indicators	2008	2009	2010*	2011*
Share in GDP at current prices (%)	2.4	2.9	2.7	2.6
Share in non-oil GDP at current prices (%)	5.7	5.2	5.4	6.2
Gross output (% of the GDP at current prices)	4.0	5.2	4.9	4.6
Capital formation (% of the GDP at current prices)	1.4	2.0	1.8	1.6
Compensation of employees (Million AED)	4,879	5,106	5,542	6,016

Source: Statistics Centre - Abu Dhabi

\*Preliminary estimates

### 2.7.2. Fuel Consumption Indicators

Indicator	2009	2010	2011
Pump price for diesel fuel (AED per liter)	1.8	2.1	2.4
Pump price for gasoline (AED per liter)*	1.3	1.5	1.6
Passenger cars (per 1,000 people)	332	339	333
Vehicles (per 1,000 people)	370	378	370

Source: Statistics Centre - Abu Dhabi

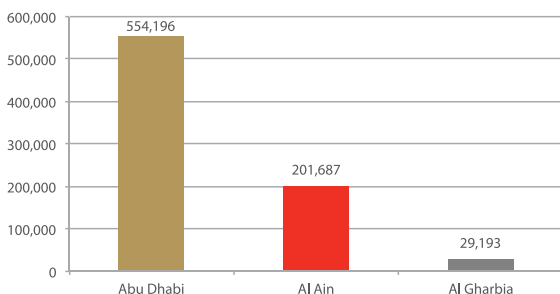
\*Pump price of gasoline E-Plus

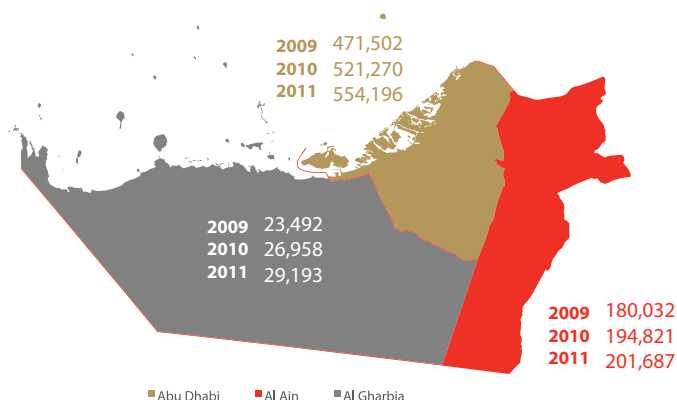
### 2.7.3. Motor Vehicles Licensed by Region

Type of License	2008	2009	2010	2011
<b>Abu Dhabi Emirate</b>	<b>561,748</b>	<b>675,026</b>	<b>743,049</b>	<b>785,076</b>
Motorcycles	3,768	5,141	6,176	7,009
Light vehicles	494,013	592,970	652,017	687,901
Bus (light and heavy)	10,790	13,948	15,220	17,380
Trucks (light and heavy)	31,861	37,545	42,115	43,873
Heavy mechanical equipment	21,316	25,422	27,521	28,913
<b>Abu Dhabi</b>	<b>386,853</b>	<b>471,502</b>	<b>521,270</b>	<b>554,196</b>
Motorcycles	2,778	3,906	4,716	5,488
Light vehicles	338,799	411,732	454,958	482,889
Bus (light and heavy)	8,290	11,020	12,118	14,050
Trucks (light and heavy)	19,971	24,288	27,379	28,670
Heavy mechanical equipment	17,015	20,556	22,099	23,099
<b>Al Ain</b>	<b>154,110</b>	<b>180,032</b>	<b>194,821</b>	<b>201,687</b>
Motorcycles	928	1,139	1,321	1,352
Light vehicles	138,593	162,540	175,845	182,515
Bus (light and heavy)	2,145	2,508	2,613	2,666
Trucks (light and heavy)	8,897	9,859	10,696	10,502
Heavy mechanical equipment	3,547	3,986	4,346	4,652
<b>Al Gharbia</b>	<b>20,785</b>	<b>23,492</b>	<b>26,958</b>	<b>29,193</b>
Motorcycles	62	96	139	169
Light vehicles	16,621	18,698	21,214	22,497
Bus (light and heavy)	355	420	489	664
Trucks (light and heavy)	2,993	3,398	4,040	4,701
Heavy mechanical equipment	754	880	1,076	1,162

Source: Ministry of Interior

Figure 2.7.1. Motor Vehicles Licensed by Region, 2011





#### 2.7.4. Number of Vehicles by Engine Capacity

Region/Engine Capacity	2007	2008	2009
<b>Abu Dhabi</b>	<b>283,477</b>	<b>383,872</b>	<b>468,916</b>
4-cylinder and less	147,260	197,525	238,581
Greater than 4 and less than or equal to 6 cylinders	98,800	131,267	158,610
Greater than 6 and less than or equal to 8 cylinders	36,572	53,889	70,118
Greater than 8 and less than or equal to 12-cylinder	798	1,087	1,445
Greater than 12-cylinder	47	104	162
<b>Al Ain</b>	<b>120,029</b>	<b>150,548</b>	<b>176,587</b>
4-cylinder and less	57,565	70,029	81,212
Greater than 4 and less than or equal to 6 cylinders	45,755	55,452	62,934
Greater than 6 and less than or equal to 8 cylinders	16,430	24,669	31,961
Greater than 8 and less than or equal to 12-cylinder	258	360	436
Greater than 12-cylinder	21	38	44
<b>Al Gharbia</b>	<b>17,046</b>	<b>20,707</b>	<b>23,330</b>
4-cylinder and less	6,509	7,856	8,766
Greater than 4 and less than or equal to 6 cylinders	8,093	9,475	10,560
Greater than 6 and less than or equal to 8 cylinders	2,361	3,282	3,896
Greater than 8 and less than or equal to 12-cylinder	82	91	108
Greater than 12-cylinder	1	3	0

Source: Ministry of Interior



### 2.7.5. Number of Vehicles by Plate Type and Region

Region/Plate Type	2008	2009	2010	2011
<b>Abu Dhabi</b>	<b>386,853</b>	<b>471,502</b>	<b>521,270</b>	<b>554,196</b>
Motorcycle	3,466	4,593	5,230	5,935
Private	321,280	390,493	434,286	464,504
Public transport	55,930	67,740	72,501	74,127
Taxi	4,634	6,637	7,028	7,539
Others	1,543	2,039	2,225	2,091
<b>Al Ain</b>	<b>154,110</b>	<b>180,032</b>	<b>194,821</b>	<b>201,687</b>
Motorcycle	1,743	1,954	1,890	1,909
Private	132,949	155,546	169,528	175,973
Public transport	17,561	20,428	21,976	22,616
Taxi	1,737	1,831	1,110	878
Others	120	273	317	311
<b>Al Gharbia</b>	<b>20,785</b>	<b>23,492</b>	<b>26,958</b>	<b>29,193</b>
Motorcycle	63	98	139	170
Private	15,972	17,658	20,001	21,352
Public transport	4,734	5,718	6,786	7,639
Taxi	16	16	23	22
Others	0	2	9	10

Source: Ministry of Interior

### 2.7.6. Driving Licenses Issued by Type of License and Region

Region/Type of license	2005	2007	2008	2009
<b>Abu Dhabi</b>	<b>452,187</b>	<b>523,696</b>	<b>588,164</b>	<b>662,683</b>
Motorcycle	13,412	15,865	18,243	20,895
Light vehicles	325,868	385,911	434,917	492,161
Heavy vehicles	47,889	51,782	56,969	63,360
Light bus	31,996	32,202	32,466	32,711
Heavy bus	14,342	15,868	17,494	19,120
Light mechanical equipment	3,325	3,494	4,184	4,894
Heavy mechanical equipment	15,355	18,574	23,891	29,542
<b>Al Ain</b>	<b>213,346</b>	<b>237,397</b>	<b>251,000</b>	<b>274,189</b>
Motorcycle	6,788	7,117	7,300	7,739
Light vehicles	153,279	175,224	187,367	207,654
Heavy vehicles	24,082	25,212	26,110	27,987
Light bus	16,613	16,688	16,721	16,780
Heavy bus	5,688	5,932	6,051	6,191
Light mechanical equipment	2,554	2,610	2,679	2,716
Heavy mechanical equipment	4,342	4,614	4,772	5,122
<b>Al Gharbia</b>	<b>19,500</b>	<b>28,171</b>	<b>33,243</b>	<b>38,501</b>
Motorcycle	307	387	437	488
Light vehicles	14,878	22,554	26,735	31,263
Heavy vehicles	1,940	2,340	2,679	3,014
Light bus	786	852	900	917
Heavy bus	569	722	852	925
Light mechanical equipment	106	169	202	238
Heavy mechanical equipment	914	1,147	1,438	1,656

Source: Ministry of Interior

### 2.7.7. Motor Vehicle by Manufacture Year from 1900 -2013

Manufacture Year	Number	Manufacture Year	Number
1900	18	1969	60
1901	14	1970	56
1902	1	1971	69
1906	1	1972	94
1908	2	1973	93
1911	4	1974	108
1912	2	1975	150
1923	1	1976	223
1925	1	1977	326
1927	1	1978	386
1928	1	1979	533
1929	7	1980	831
1930	2	1981	1,114
1931	1	1982	1,375
1932	2	1983	1,370
1933	1	1984	1,330
1934	3	1985	1,676
1936	2	1986	1,903
1937	2	1987	1,802
1940	1	1988	2,972
1942	2	1989	4,165
1943	1	1990	6,033
1944	2	1991	7,450
1946	4	1992	10,234
1947	4	1993	9,963
1948	6	1994	11,336
1949	2	1995	11,172
1950	12	1996	12,595
1951	6	1997	16,110
1952	4	1998	20,461
1953	4	1999	21,745
1954	6	2000	19,283
1955	9	2001	23,406
1956	12	2002	25,687
1957	11	2003	28,995
1958	11	2004	33,199
1959	14	2005	38,159
1960	12	2006	53,373
1961	10	2007	62,664
1962	11	2008	98,111
1963	13	2009	95,915
1964	24	2010	66,678
1965	26	2011	73,610
1966	33	2012	17,884
1967	34	2013	1
1968	36	-	-

Source: Ministry of Interior

### 2.7.8. Vehicles by Registration

Region	2008	2009	2010	2011
<b>Abu Dhabi</b>	<b>492,800</b>	<b>524,394</b>	<b>601,716</b>	<b>637,120</b>
Re-registration	8,103	6,920	11,703	9,505
Renewal	245,095	302,555	347,985	375,331
Registration	125,985	102,882	105,577	102,104
Vehicle travel certificate	11,973	12,482	13,179	10,715
Export	9,416	8,619	9,672	11,879
Transfer	92,228	90,936	113,600	127,586
<b>Al Ain</b>	<b>200,442</b>	<b>206,845</b>	<b>229,825</b>	<b>243,419</b>
Re-registration	4,295	3,278	4,991	4,555
Renewal	100,701	116,874	130,433	138,887
Registration	41,743	36,337	37,192	34,340
Vehicle travel certificate	5,228	5,108	5,659	4,622
Export	6,156	5,248	5,046	6,769
Transfer	42,319	40,000	46,504	54,246
<b>Al Gharbia</b>	<b>23,847</b>	<b>26,988</b>	<b>31,898</b>	<b>34,223</b>
Re-registration	546	492	709	706
Renewal	14,217	16,750	19,523	21,752
Vehicle travel certificate	3,750	3,821	4,638	4,232
Binders	975	1,065	1,314	1,112
Export	135	186	223	273
Transfer	4,224	4,674	5,491	6,148

Source: Ministry of Interior

### 2.7.9. External Road Details, 2010

(length in km)

Length	Region			Total
	Abu Dhabi	Al Ain	Al Gharbia	
1Lanex2	356.3	452.9	98.0	907.2
2Lanesx2	133.3	284.1	521.9	939.3
3Lanesx2	77.5	117.7	0.0	195.2
4Lanesx2	144.0	0.0	0.0	144.0

Source: Department of Transport

Note: The length of the road is not multiplied by the number of lanes

## 2.7.10. External Road Details, 2011

(length in km)

Length	Region			Total
	Abu Dhabi	Al Ain	Al Gharbia	
1Lanex2	345.0	392.4	184.1	921.5
2Lanesx2	144.3	294.4	531.9	970.6
3Lanesx2	77.5	96.5	80.5	254.5
4Lanesx2	144.0	47.9	0.0	191.9
5Lanesx2	30.0	0.0	0.0	30.0

**Source:** Department of Transport

**Note:** The length of the road is not multiplied by the number of lanes

## 2.7.11. Lengths of Internal Roads, 2011

(length in km)

Region	Total Lengths of Roads
<b>Total</b>	<b>15,830</b>
Abu Dhabi	12,413
Al Ain	1,809
Al Gharbia	1,608

**Source:** Department of Municipal Affairs - Municipality of Abu Dhabi- Al Ain-Western Region

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

### 2.7.12. Aircraft Movement by Airport and Month

Airport / Month	2005	2009	2010	2011
<b>Abu Dhabi international airport*</b>	76,633	102,118	135,715	142,430
January	6,724	8,049	11,846	12,286
February	6,255	7,480	10,460	10,822
March	6,268	8,171	11,536	12,382
April	6,118	8,218	10,844	11,577
May	6,442	8,612	11,613	11,983
June	6,421	8,593	11,148	11,450
July	6,332	8,548	10,857	12,008
August	6,468	8,802	11,402	11,423
September	6,293	8,285	10,946	11,411
October	6,305	9,131	11,532	12,229
November	6,305	9,287	11,689	12,488
December	6,702	8,942	11,842	12,371
<b>Al Ain international airport</b>	2,636	3,274	3,131	2,753
January	296	377	242	214
February	235	356	260	241
March	222	320	260	290
April	186	211	235	203
May	216	307	306	245
June	238	297	262	252
July	190	342	254	316
August	193	218	241	210
September	213	161	300	251
October	170	235	321	231
November	190	258	248	177
December	287	192	202	123

Source: Abu Dhabi Airports Company

\* Abu Dhabi International Airport figures include Al Bateen Executive Airport data from 2010

### 2.7.13. Air Transport by Airport, Passengers and Freight

Item	2005	2009	2010	2011
<b>Abu Dhabi international airport*</b>				
Aircraft Movement	76,633	102,118	135,715	142,430
<b>Passengers:</b>				
Arrival	2,482,092	4,724,183	5,419,321	6,175,221
Departure	2,458,410	4,650,448	5,343,809	6,083,923
Transit	537,974	297,694	272,166	290,674
<b>Freights (tons):</b>				
In	112,828	204,120	229,021	254,560
Out	100,896	174,626	208,790	226,984
<b>Mail (tons):</b>				
In	807	1,860	2,113	2,158
Out	776	1,923	2,411	3,241
<b>Al Ain international airport</b>				
Aircraft Movement	2,636	3,274	3,131	2,753
<b>Passengers:</b>				
Arrival	35,041	34,476	39,395	35,182
Departure	42,910	33,683	43,318	37,996
Transit	49,102	24,230	9,052	14,872
<b>Freights (tons):</b>				
In	350	658	407	104
Out	1,045	1,982	1,354	393
<b>Mail (tons):</b>				
In	0.13	0.39	0.00	0.00
Out	0.01	0.31	0.00	0.00

Source: Abu Dhabi Airports Company

\* Abu Dhabi International Airport figures include Al Bateen Executive Airport data from 2010

## 2.7.14. Air Cargo Discharged by Region

(Tons)

Region	2005	2009	2010	2011
<b>Total</b>	<b>113,178</b>	<b>204,778</b>	<b>229,428</b>	<b>254,590</b>
GCC countries	5,688	8,422	7,476	7,984
Other Arab countries	11,173	11,231	9,539	10,089
Asia (except Arab)	48,585	99,129	112,952	122,417
Europe	42,856	66,591	72,622	86,108
North America	168	3,584	6,546	6,076
South America	10	111	0	10
Africa (except Arab)	245	7,081	8,800	10,810
Australia	12	8,630	11,493	11,096
Others	4,441	0	0	0

Source: Abu Dhabi Airports Company

Note: Data exclude passengers baggage , diplomatic cargo and aircraft store

## 2.7.15. Air Cargo Loaded by Region of Destination

(Tons)

Region	2005	2009	2010	2011
<b>Total</b>	<b>101,941</b>	<b>176,608</b>	<b>210,144</b>	<b>227,016</b>
GCC countries	16,325	33,771	30,929	34,192
Other Arab countries	16,195	15,491	20,205	16,291
Asia (except Arab)	22,895	33,004	43,383	60,959
Europe	41,889	69,344	79,175	80,576
North America	261	4,762	6,786	5,774
South America	0	0	118	229
Africa (except Arab)	397	11,477	19,099	18,517
Australia	1	8,758	10,449	10,478
Others	3,978	0	0	0

Source: Abu Dhabi Airports Company

Note: Data exclude passengers baggage , diplomatic cargo and aircraft store



### 2.7.16. Air Passengers Arrivals by Region of Embarkation

Region	2005	2009	2010	2011
<b>Total</b>	<b>2,517,133</b>	<b>4,758,659</b>	<b>5,458,716</b>	<b>6,084,068</b>
GCC countries	640,458	1,070,197	1,117,530	1,225,519
Other Arab countries	344,287	520,404	595,329	607,596
Asia (except Arab)	1,094,406	1,802,792	2,008,785	2,305,404
Europe	432,234	1,001,891	1,175,683	1,398,630
North America	3,204	86,578	163,806	181,818
South America	51	18	265	0
Africa (except Arab)	2,327	56,085	62,398	68,225
Australia	0	215,003	233,215	277,086
Others	166	5,691	101,705	19,790

Source: Abu Dhabi Airports Company

Note: Data exclude transit passengers who continued their journey on the same flight

### 2.7.17. Air Passengers Departures by Region Disembarkation

Region	2005	2009	2010	2011
<b>Total</b>	<b>2,501,320</b>	<b>4,684,131</b>	<b>5,387,127</b>	<b>5,990,970</b>
GCC countries	657,257	991,754	963,628	1,159,642
Other Arabian countries	373,511	555,378	603,145	587,553
Asia (except Arab)	1,048,476	1,745,659	2,054,660	2,282,179
Europe	418,244	1,033,032	1,194,648	1,421,929
North America	2,392	83,245	174,284	179,474
South America	0	32	0	0
Africa (Except Arab)	1,438	58,678	64,909	64,014
Australia	2	210,772	229,049	276,344
Others	0	5,581	102,804	19,835

Source: Abu Dhabi Airports Company

Note: Data exclude transit passengers who continued their journey on the same flight

### 2.7.18. Main Indicators for Goods Vessels Movement in Zayed Port

Item	2005	2009	2010	2011
<b>Number of vessels</b>	<b>2,064</b>	<b>2,123</b>	<b>2,086</b>	<b>2,244</b>
<b>Container TEUs*</b>				
<b>Total TEUs</b>	<b>230,354</b>	<b>530,271</b>	<b>521,156</b>	<b>767,713</b>
Discharged	113,538	263,648	257,302	384,394
Loaded	116,816	266,623	263,854	383,319
<b>General cargo (metric tons)</b>				
<b>Total cargo</b>	<b>1,823,692</b>	<b>4,914,168</b>	<b>5,257,809</b>	<b>4,150,197</b>
Discharged	1,803,626	4,801,450	5,173,363	3,971,806
Loaded	20,066	112,718	84,446	178,390
<b>Vehicle unit</b>				
<b>Total units</b>	<b>48,718</b>	<b>37,951</b>	<b>62,352</b>	<b>56,510</b>
Discharged	43,446	37,078	61,910	56,318
Loaded	5,272	873	442	192

Source: Abu Dhabi Terminals

\* Twenty- foot Equivalent Unit (TEU)

### 2.7.19. Vessels Turnaround

Item	2007	2009	2010	2011
Number of vessels	2,452	2,123	2,086	2,244
<b>Total turnaround (Hours)</b>	<b>57749:15</b>	<b>68023:49</b>	<b>80277:46</b>	<b>66408:48</b>
Average turnaround	0.98	1.34	1.60	1.23
Total stay (Hours)	59921:31	81403:47	83267:59	95688:18
Total gross tonnage (M.T)	29,225,425	36,592,129	41,123,157	41,878,310

Source: Abu Dhabi Terminals

## 2.7.20. Distribution of Container TEUs Incoming and Outgoing In Zayed Port by Region

Region	2010		2011	
	Incoming	Outgoing	Incoming	Outgoing
<b>Total</b>	<b>257,302</b>	<b>261,543</b>	<b>384,394</b>	<b>379,966</b>
United Arab Emirates*	55,296	195,730	138,691	259,913
Other GCC Countries	4,381	5,009	5,398	5,074
Total Middle East (Non- GCC)	849	5,742	589	5,165
Indian Sub Continent	6,098	11,058	8,413	17,220
South East Asia	13,826	8,581	13,854	19,578
Far East	31,101	16,906	32,551	36,756
North Africa	9,179	5,033	3,186	6,536
South Africa	1,619	667	1,726	916
East Africa	4,521	1,355	13,525	2,111
West Africa	208	196	177	115
Western Europe	29,338	1,280	23,654	2,034
Mediterranean	47,148	2,772	66,872	2,575
Scandinavia	916	59	613	83
Eastern Europe	3,996	14	8,181	38
North America	45,809	970	63,366	1,991
Caribbean	1	50	0	126
Central America	611	103	583	141
South America	1,504	141	1,717	207
Australasia	898	440	1,296	550
Others	3	5,437	2	18,837

Source: Abu Dhabi Terminals.

\*Container TEUs of UAE are from other Emirates of UAE

## 2.7.21. Post Offices and Mail Boxes

Item	2005	2009	2010	2011
Number of post offices	22	34	35	26
Number of private mail boxes	100,516	127,627	132,480	112,498
Number of mail boxes	341	227	182	113

Source: Emirates Post

## 2.7.22. Postal Traffic by Type

Postal Traffic	2008	2009	2010	2011
<b>Registered letters</b>				
Internal	152,445	859,653	795,225	669,921
External outgoing	79,502	157,708	151,048	208,682
External incoming	200,967	188,737	148,653	147,849
<b>Parcels</b>				
Internal	604	1,454	349	390
External outgoing	23,084	23,870	23,576	31,597
External incoming	22,373	29,836	27,190	30,418
<b>Express mail</b>				
Internal	10,005	14,184	12,634	150,033
External outgoing	51,296	56,528	62,595	61,118
External incoming	62,227	62,386	60,791	58,782

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 to enhance the Information and Communication Technology (ICT) infrastructure and to 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.

The number of the population with internet subscriptions increased from 20 per 100 inhabitants in 2010 to 23 per 100 inhabitants in 2011. The number of mobile phone subscriptions amounted to about twice the size of the population in 2011. Mainly due to special offers and promotions, fixed line telephone tariffs for business users fell from AED 50 per month in 2010 to AED 17 per month in 2011.

### 2.8.1. Key Statistics of Information and Communication Technology

Indicators	2008	2009	2010*	2011*
Share in GDP at current prices (%)	3.3	4.5	3.7	2.8
Share in non-oil GDP at current prices (%)	8.0	8.1	7.3	6.9
Gross output (% of the GDP at current prices)	3.5	5.2	4.3	3.4
Capital formation (% of the GDP at current prices)	0.1	0.3	0.3	0.2
Compensation of employees (Million AED)	2,849	4,185	4,536	4,792

Source: Statistics Centre - Abu Dhabi

\*Preliminary estimates

### 2.8.2. The Information and Communication Technology Indicators

Indicators	2007	2009	2010	2011
Internet subscribers per 100 inhabitants	11	18	20	23
Fixed telephone subscribers per 100 inhabitants	15	13	14	31
Mobile cellular subscribers per 100 inhabitants	125	159	161	199
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		
	2009	2010	2011
Consumer fixed broadband internet access tariff (256 kbps)	149	149	149
Business fixed broadband internet access tariff (512 kbps)	775	775	775
Fixed line telephone tariff:			
Home user	15	15	15
Business user	50	50	17
Mobile cellular prepaid tariff (100 minutes/month)	30	30	29

**Source:** Emirates Telecommunication Corporation- Etisalat

### 2.8.4. Daily Distributed local Newspapers by Month

Month	2010	2011
<b>Total</b>	48,006,546	53,677,632
January	4,177,535	4,691,299
February	3,772,912	4,174,237
March	4,180,074	4,690,748
April	3,936,209	4,449,526
May	4,118,378	4,682,748
June	3,988,379	4,444,256
July	3,981,292	4,530,244
August	3,994,185	4,387,789
September	3,833,399	4,328,127
October	4,162,315	4,540,665
November	3,872,016	4,308,547
December	3,989,852	4,449,446

**Source:** Local Newspapers

## 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. Due to the importance of this vital sector in the agenda of Abu Dhabi government, Statistics Centre-Abu Dhabi has paid special attention to the development of the hotel sector indicators.

The number of hotel establishments increased by 11.2 per cent from 116 in 2010 to 129 in 2011. As a result, the number of rooms rose from 18.8 thousand in 2010 to 21.3 thousand in 2011.

In 2011, the number of guests totaled about 2.1 million, an increase of 16.5 per cent compared with the previous year. The occupancy rate rose to 68.9 per cent in 2011, an increase of 6.5 per cent compared with 2010. The number of guestnights grew by 22.2 per cent compared with 2010, while the average length of stay also increased by 0.14 days.

The average length of stay in hotel apartments was about two days longer compared with hotels. The average length of stay was 3.4 days in Al Gharbia region, 3.1 in Abu Dhabi region and 2.0 in Al Ain region.

Most guests (83.8%) preferred to stay in Abu Dhabi region, compared with 12.6 per cent in Al Ain and 3.6 per cent in Al Gharbia. The occupancy rate in hotel apartments was 70.1 per cent in Abu Dhabi, 63.3 per cent in Al Gharbia, and 59.4 per cent in Al Ain, while the occupancy rate in hotel apartments was higher than in hotels.

### 2.9.1. Key Statistics of Hotel Establishments Activity

Item	2008	2009	2010	2011
Number of hotel establishments	97	115	116	129
Number of rooms	12,727	17,424	18,844	21,254
Number of guests (Thousand)	1,503	1,540	1,812	2,112
Number of guestnights (Thousand)	4,673	4,319	5,132	6,270
Average length of stay (In Days)	3.1	2.8	2.8	3.0
Occupancy rate % (hotel + hotel apartments)	83.6	72.2	64.7	68.9

**Source:** Abu Dhabi Tourism Authority

### 2.9.2. Hotel Establishments Indicators by Type, 2011

Item	Hotel	Hotel Apartments	Total
Number of hotel establishments	79	50	129
Number of rooms	16,056	5,198	21,254
Number of guests (Thousand)	1,687	424	2,112
Number of guestnights (Thousand)	4,375	1,895	6,270
Average length of stay (In Days)	2.6	4.5	3.0
Occupancy rate (%)	65.6	77.6	68.9
ARR: Average revenue of hotel rooms (AED)	538	384	490
Rev PAR: Average revenue of available room (AED)	353	298	338

Source: Abu Dhabi Tourism Authority

### 2.9.3. Hotel Establishments Indicators by Region, 2011

Item	Abu Dhabi	Al Ain	Al Gharbia	Total
Number of hotel establishments	109	13	7	129
Number of guests (Thousand)	1,769	266	76	2,112
Number of guestnights (Thousand)	5,471	542	257	6,270
Average length of stay (In days)	3.1	2.0	3.4	3.0
Annual occupancy rate (%)	70.1	59.4	63.3	68.9
ARR: Average revenue of hotel rooms (AED)	487	460	633	490
Rev PAR: Average revenue of available room (AED)	341	273	400	338

Source: Abu Dhabi Tourism Authority



#### 2.9.4. Guests of Hotel Establishments by Nationality

Nationality	2008	2009	2010	2011
<b>Total</b>	<b>1,502,954</b>	<b>1,540,258</b>	<b>1,812,011</b>	<b>2,111,611</b>
United Arab Emirates	516,243	650,585	752,777	824,442
Other GCC countries	96,280	85,670	102,067	133,277
Other Arab countries	155,893	158,797	206,830	252,626
Asia (except Arab)	192,369	173,921	248,273	323,094
Australia and Pacific	28,970	26,013	30,712	40,414
Africa (except Arab)	20,051	13,569	16,091	21,280
Europe	360,413	325,392	316,701	380,980
North and South America	102,137	92,696	108,303	109,327
Not Specified	30,598	13,615	30,257	26,171

Source: Abu Dhabi Tourism Authority

#### 2.9.5. Guestnights of Hotel Establishments by Nationality

Nationality	2008	2009	2010	2011
<b>Total</b>	<b>4,673,494</b>	<b>4,318,504</b>	<b>5,132,323</b>	<b>6,269,682</b>
United Arab Emirates	1,081,783	1,117,628	1,348,270	1,573,266
Other GCC countries	192,722	163,247	200,223	301,105
Other Arab countries	457,666	446,668	543,326	652,585
Asia (except Arab)	679,418	654,807	814,786	1,060,502
Australia and Pacific	104,970	119,484	107,486	143,403
Africa (except Arab)	78,830	53,233	63,974	74,533
Europe	1,517,132	1,272,993	1,373,467	1,716,139
North and South America	428,663	444,646	587,711	653,879
Not Specified	132,310	45,798	93,080	94,270

Source: Abu Dhabi Tourism Authority

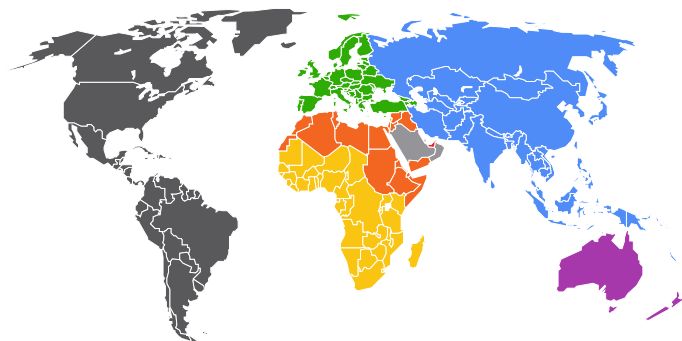
## 2.9.6. Guests for Hotel Establishments by Nationality and Classification, 2011

Nationality	5- stars	4- stars	<= 3 stars*	Hotel Apartment	Total
<b>Total</b>	<b>734,443</b>	<b>520,464</b>	<b>432,439</b>	<b>424,265</b>	<b>2,111,611</b>
United Arab Emirates	328,658	175,680	152,574	167,530	824,442
Other GCC countries	46,344	27,233	29,187	30,513	133,277
Other Arab countries	45,820	66,456	72,992	67,358	252,626
Asia (except Arab)	66,925	82,051	97,552	76,566	323,094
Australia and Pacific	15,788	13,447	6,290	4,889	40,414
Africa (except Arab)	6,506	5,904	4,796	4,074	21,280
Europe	171,025	109,907	53,135	46,913	380,980
North and South America	46,940	27,593	13,940	20,854	109,327
Not Specified	6,437	12,193	1,973	5,568	26,171

Source: Abu Dhabi Tourism Authority

\* Includes: 3, 2 and 1 stars, and the unclassified hotel establishments

## Guests for Hotel Establishments by Nationality, 2011



<span style="color: purple;">■</span> Australia and Pacific	40,414	<span style="color: red;">■</span> United Arab Emirates	824,442
<span style="color: yellow;">■</span> Africa (except Arab)	21,280	<span style="color: grey;">■</span> Other GCC countries	133,277
<span style="color: green;">■</span> Europe	380,980	<span style="color: orange;">■</span> Other Arab countries	252,626
<span style="color: darkgrey;">■</span> North and South America	109,327	<span style="color: blue;">■</span> Asia (except Arab)	323,094

### 2.9.7. Guestnights for Hotel Establishments by Nationality and Classification, 2011

Nationality	5- stars	4- stars	<= 3 stars*	Hotel Apartment	Total
<b>Total</b>	<b>1,958,908</b>	<b>1,336,791</b>	<b>1,079,072</b>	<b>1,894,911</b>	<b>6,269,682</b>
United Arab Emirates	644,480	322,143	293,635	313,008	1,573,266
Other GCC countries	107,353	62,737	55,482	75,533	301,105
Other Arab countries	110,050	133,966	161,250	247,319	652,585
Asia (except Arab)	181,759	192,028	268,379	418,336	1,060,502
Australia and Pacific	46,244	35,339	17,378	44,442	143,403
Africa (except Arab)	20,732	18,234	15,729	19,838	74,533
Europe	642,258	432,773	203,543	437,565	1,716,139
North and South America	180,227	114,965	52,635	306,052	653,879
Not Specified	25,805	24,606	11,041	32,818	94,270

Source: Abu Dhabi Tourism Authority

\* Includes 3, 2 and 1 stars, and the unclassified hotel establishments

### 2.9.8. Average Length of Stay for Hotel Establishments by Nationality

Nationality	2010	2011	Difference	Percentage Change
Average	2.83	2.97	0.14	4.95
United Arab Emirates	1.79	1.91	0.12	6.70
Other GCC countries	1.96	2.26	0.30	15.31
Other Arab countries	2.63	2.58	-0.05	-1.90
Asia (except Arab)	3.28	3.28	0.00	0.00
Australia and Pacific	3.50	3.55	0.05	1.43
Africa (except Arab)	3.98	3.50	-0.48	-12.06
Europe	4.34	4.50	0.16	3.69
North and South America	5.43	5.98	0.55	10.13
Not Specified	3.08	3.60	0.52	16.88

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

### 2.9.9. Occupancy Rate of Hotel Establishments by Month

Nationality	2009	2010	2011
<b>Average</b>	<b>72.17</b>	<b>64.68</b>	<b>68.89</b>
January	78.26	60.50	65.86
February	83.35	66.59	77.31
March	83.50	70.52	74.29
April	79.35	64.62	72.32
May	73.92	61.24	67.84
June	71.34	61.06	65.76
July	68.43	59.22	64.81
August	64.96	51.42	52.58
September	66.13	61.02	66.20
October	78.09	72.02	77.09
November	65.25	77.15	76.79
December	59.71	70.20	66.50

**Source:** Abu Dhabi Tourism Authority

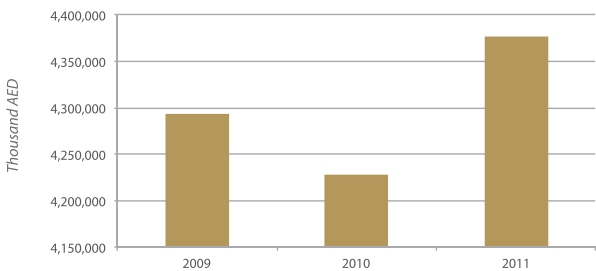
2.9.10. Total Revenue of Hotel Establishments

(Thousand AED)

Item	2008	2009	2010	2011
Total revenue	4,304,871	4,293,074	4,228,520	4,376,024
Room revenue	2,660,413	2,582,842	2,269,007	2,314,969
Food & beverage revenue	1,311,305	1,378,928	1,507,411	1,604,391
Other revenue	333,153	331,303	452,102	456,664

Source: Abu Dhabi Tourism Authority

Figure 2.9.1. Total Revenue of Hotel Establishments





### **3. Population and Demography**

- Population
- Births and Deaths
- Marriage and Divorce

### 3. Population and Demography

The population estimates presented here describe the size, regional distribution and age and gender structure of the population of the Abu Dhabi Emirate for mid-year 2011. Statistics on births, deaths, marriages and divorce and corresponding key indicators for the calendar year 2011 are also presented.

The resident population of the Abu Dhabi Emirate exceeded 2 million people in 2011. In mid-year 2011 the estimated population in Abu Dhabi Region was 1.31 million (61.8%), Al Ain Region 0.58 million (27.6%), and Al Gharbia 0.23 million (10.6%), making the total mid-year population for the Abu Dhabi Emirate 2.12 million.

In Abu Dhabi, fertility is higher than most developed regions of the world, and mortality remains extremely low. In 2011 Crude Birth Rates and Crude Death Rates among Citizens were 15.1 births per 1000 people and 1.4 deaths per 1000 people respectively.

#### Key Indicators

Total Population ( Mid -Year Estimate)	2,120,700
Males	1,499,800
Females	620,900
Age Dependency Ratio	22.4
Age Dependency Ratio, Old	1.1
Age Dependency Ratio, Young	21.3
Urban Population	1,292,800
Rural Population	827,900
Percentage of the Population Residing in Rural Areas (%)	39.0
Average Annual Population Growth Rate (2005- 2011) (%)	7.7
General Fertility Rate (Births Per 1000 Women Aged 15 - 49 Years)	80.3
Crude Birth Rate (Per 1000 Population)	15.1
Crude Death Rate (Per 1000 Population)	1.4
Infant Mortality Rate (Per 1000 Live Births)	6.3
Under 5 Mortality Rate (Per 1000 Live Births)	8.5
Life Expectancy at Birth for Females (Years)	78.2
Life Expectancy at Birth for Males (Years)	77.1
Singulate Median Age at First Marriage for Males (Years)	27.7
Singulate Median Age at First Marriage for Females (Years)	26.1

2011

### 3.1. Population

The population data in the Statistical Yearbook are estimates of the usual resident population in the Abu Dhabi Emirate. The population estimates include people who are usual residents and Emirati citizens away from their Abu Dhabi Emirate residence and legally entitled to live in UAE. The mid-year 2011 preliminary population estimates are based on preliminary results of the Abu Dhabi Census 2011 and the Frame Update Project in 2010.

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 2011, The population of the Emirate was estimated to be 2,120,700 people, indicating that from December 1975 to June 2011 the population of the Abu Dhabi Emirate increased about 10 times in 36 years.

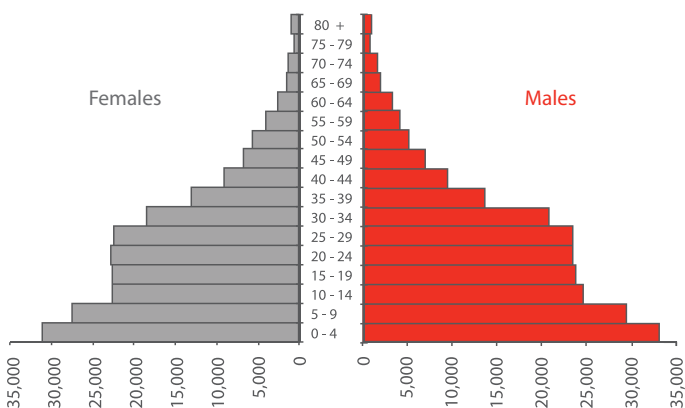
Of the total Abu Dhabi Emirate population, 439,100 people (more than 20%) are Emirati citizens. About 236,000 (53.7%) of the citizens live in Abu Dhabi Region, and about 178,500 (40.7%) in Al Ain Region, leaving 24,600 (5.6%) in Al Gharbia.

The non-citizen population of 1,681,600 people comprise almost 80% of the total resident population. Of the non-citizens 1,074,300 people (63.9%) live in Abu Dhabi Region.

More than 70% 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 2011 was 36 persons per square kilometre. The population density in Abu Dhabi Region, Al-Ain Region and Al Gharbia was 120, 44, and 6 persons per square kilometre respectively. Al Gharbia is the most sparsely populated region in Abu Dhabi Emirate but with a fast population growth.

**Figure 3.1.1 Population Pyramid for Citizens, Mid 2011**



Source: Statistics Centre - Abu Dhabi



### 3.1.1. Population By Gender and Citizenship From Population Censuses

Census Year/Gender	Citizens	Non-Citizens	Total
<b>1975</b>	54,886	156,926	211,812
Males	29,238	125,820	155,058
Females	25,648	31,106	56,754
<b>1980</b>	90,792	361,056	451,848
Males	47,993	283,695	331,688
Females	42,799	77,361	120,160
<b>1985</b>	135,982	430,054	566,036
Males	69,975	310,278	380,253
Females	66,007	119,776	185,783
<b>1995</b>	222,627	719,836	942,463
Males	113,365	537,379	650,744
Females	109,262	182,457	291,719
<b>2001</b>	296,152	874,102	1,170,254
Males	148,982	640,844	789,826
Females	147,170	233,258	380,428
<b>2005</b>	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 in the Intercensal Periods by Citizenship and Gender

(%) per annum

	1975-1985	1985-1995	1995-2005	2005-2011
<b>Grand Total</b>	<b>10.4</b>	<b>5.2</b>	<b>4.0</b>	<b>7.7</b>
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	10.0
Females	14.5	4.3	5.1	5.7

Source: Statistics Centre - Abu Dhabi

### 3.1.3. Population Density (Per Square Kilometre) By Region

Region	2005	2009	2010	2011
Abu Dhabi Emirate	23.1	30.8	33.1	35.7
Abu Dhabi Region	74.3	101.3	109.9	120.3
Al Ain Region	33.2	40.5	42.5	43.7
Al Gharbia	3.4	5.2	5.8	6.4

Source: Statistics Centre - Abu Dhabi

### 3.1.4. Population Estimates by Region and Gender, Mid 2005 and Mid 2011 ('000)

Region	Males	Females	Total
<b>Abu Dhabi Emirate</b>			
2005	911.9	462.3	1,374.2
2011	1,499.8	620.9	2,120.7
<b>Abu Dhabi Region</b>			
2005	523.5	285.5	809.0
2011	917.1	393.2	1,310.3
<b>Al Ain Region</b>			
2005	293.0	151.7	444.7
2011	382.5	202.3	584.8
<b>Al Gharbia</b>			
2005	85.2	23.4	108.6
2011	200.3	25.4	225.7
<b>Islands</b>			
2005	10.2	1.7	11.9
2011 *	-	-	-

Source: Statistics Centre - Abu Dhabi

\* In 2011 Islands were merged with Abu Dhabi Region and Al Gharbia

All numbers are rounded to the nearest 100 persons, Therefore, numbers may not add to totals.

### 3.1.5. Estimated Population (Mid years) by Region, Citizenship and Gender ('000)

Region / Citizenship / Gender	2005	2009	2010	2011
<b>Grand Total</b>	<b>1,374.2</b>	<b>1,826.7</b>	<b>1,967.7</b>	<b>2,120.7</b>
<b>Abu Dhabi Region</b>	<b>809.0</b>	<b>1,103.3</b>	<b>1,197.3</b>	<b>1,310.3</b>
Citizens	177.6	216.8	228.2	236.0
Males	91.4	109.3	114.4	121.7
Females	86.3	107.5	113.8	114.2
Non-Citizens	631.4	886.4	969.1	1,074.3
Males	432.1	645.0	716.4	795.3
Females	199.3	241.5	252.7	279.0
<b>Al Ain Region</b>	<b>444.7</b>	<b>542.2</b>	<b>568.2</b>	<b>584.8</b>
Citizens	143.9	170.4	177.1	178.5
Males	70.3	84.1	87.7	90.4
Females	73.6	86.3	89.5	88.1
Non-Citizens	300.7	371.8	391.1	406.3
Males	222.6	275.6	290.0	292.1
Females	78.1	96.2	101.1	114.2
<b>Al Gharbia</b>	<b>108.6</b>	<b>164.9</b>	<b>184.5</b>	<b>225.7</b>
Citizens	20.2	24.2	25.2	24.6
Males	10.6	13.2	13.8	14.3
Females	9.6	11.0	11.4	10.3
Non-Citizens	88.3	140.8	159.3	201.1
Males	74.5	124.0	141.8	185.9
Females	13.8	16.7	17.5	15.1
<b>Islands *</b>	<b>11.9</b>	<b>16.3</b>	<b>17.6</b>	<b>-</b>
Citizens	2.5	3.1	3.2	-
Males	1.5	1.8	1.9	-
Females	1.0	1.3	1.3	-
Non-Citizens	9.4	13.2	14.4	-
Males	8.7	12.4	13.6	-
Females	0.6	0.8	0.8	-

Source: Statistics Centre - Abu Dhabi

\* In 2011 Islands were merged with Abu Dhabi and Al Gharbia

All numbers are rounded to the nearest 100 persons, Therefore, numbers may not add to totals.

### 3.1.6. Population Estimates by Age Group, Citizenship and Gender, Mid 2011

Age Group	Citizens		Non-Citizens	
	Males	Females	Males	Females
<b>Total</b>	<b>226,500</b>	<b>212,600</b>	<b>1,273,400</b>	<b>408,300</b>
0-4	33,000	31,100	40,200	36,400
5-9	29,400	27,400	35,300	32,800
10-14	24,600	22,600	28,900	26,800
15-19	23,800	22,500	30,100	25,000
20-24	23,400	22,700	144,900	45,800
25-29	23,500	22,400	280,000	65,900
30-34	20,800	18,400	236,700	56,600
35-39	13,600	13,000	171,700	42,400
40-44	9,400	9,000	126,400	29,300
45-49	6,900	6,800	78,100	19,700
50-54	5,200	5,600	53,700	12,900
55-59	4,100	4,000	30,500	7,400
60-64	3,300	2,600	11,300	3,500
65-69	2,000	1,600	3,400	1,700
70-74	1,600	1,300	1,300	900
75-79	800	600	500	500
80+	1,000	900	400	800

Source: Statistics Centre - Abu Dhabi

All numbers are rounded to the nearest 100 persons, Therefore, numbers may not add to totals.

### 3.1.7. Population Estimates by Age Group and Gender, Mid 2011

Age Group	Males	Females	Total
<b>Total</b>	<b>1,499,800</b>	<b>620,900</b>	<b>2,120,700</b>
0-4	73,200	67,500	140,700
5-9	64,700	60,200	124,900
10-14	53,500	49,400	102,900
15-19	53,900	47,500	101,400
20-24	168,300	68,500	236,800
25-29	303,500	88,300	391,800
30-34	257,500	75,000	332,400
35-39	185,400	55,500	240,800
40-44	135,800	38,200	174,100
45-49	85,000	26,500	111,500
50-54	58,900	18,500	77,400
55-59	34,600	11,400	46,000
60-64	14,600	6,100	20,700
65-69	5,400	3,300	8,700
70-74	2,800	2,200	5,000
75-79	1,300	1,100	2,400
80+	1,400	1,700	3,100

**Source:** Statistics Centre - Abu Dhabi

All numbers are rounded to the nearest 100 persons, Therefore, numbers may not add to totals.

### 3.1.8. Citizen Population Estimates by Age Group and Gender, Mid 2011

Age Group	Males	Females	Total
<b>Total</b>	<b>226,500</b>	<b>212,600</b>	<b>439,100</b>
0-4	33,000	31,100	64,100
5-9	29,400	27,400	56,800
10-14	24,600	22,600	47,200
15-19	23,800	22,500	46,300
20-24	23,400	22,700	46,100
25-29	23,500	22,400	45,900
30-34	20,800	18,400	39,200
35-39	13,600	13,000	26,700
40-44	9,400	9,000	18,400
45-49	6,900	6,800	13,700
50-54	5,200	5,600	10,800
55-59	4,100	4,000	8,100
60-64	3,300	2,600	5,900
65-69	2,000	1,600	3,600
70-74	1,600	1,300	2,900
75-79	800	600	1,400
80+	1,000	900	2,000

**Source:** Statistics Centre - Abu Dhabi

All numbers are rounded to the nearest 100 persons, Therefore, numbers may not add to totals.

### 3.1.9. Non-Citizen Population Estimates by Age Group and Gender, Mid 2011

Age Group	Males	Females	Total
<b>Total</b>	<b>1,273,400</b>	<b>408,300</b>	<b>1,681,600</b>
0-4	40,200	36,400	76,600
5-9	35,300	32,800	68,100
10-14	28,900	26,800	55,600
15-19	30,100	25,000	55,100
20-24	144,900	45,800	190,600
25-29	280,000	65,900	345,900
30-34	236,700	56,600	293,300
35-39	171,700	42,400	214,200
40-44	126,400	29,300	155,700
45-49	78,100	19,700	97,800
50-54	53,700	12,900	66,700
55-59	30,500	7,400	37,900
60-64	11,300	3,500	14,800
65-69	3,400	1,700	5,100
70-74	1,300	900	2,200
75-79	500	500	1,000
80+	400	800	1,200

**Source:** Statistics Centre - Abu Dhabi

All numbers are rounded to the nearest 100 persons, Therefore, numbers may not add to totals.



### 3.1.10. Population Estimates by Age Group and Gender - Abu Dhabi Region, Mid 2011

Age Group	Males	Females	Total
<b>Total</b>	<b>917,100</b>	<b>393,200</b>	<b>1,310,300</b>
0-4	45,500	41,500	87,000
5-9	39,900	36,900	76,900
10-14	32,700	30,000	62,700
15-19	31,100	28,000	59,100
20-24	98,500	40,900	139,400
25-29	189,800	55,800	245,600
30-34	162,700	49,400	212,100
35-39	112,900	37,300	150,200
40-44	81,400	25,900	107,300
45-49	50,200	18,100	68,300
50-54	35,000	12,600	47,600
55-59	21,500	7,700	29,200
60-64	9,500	4,100	13,700
65-69	3,500	2,100	5,500
70-74	1,600	1,300	2,900
75-79	700	600	1,300
80+	600	900	1,600

Source: Statistics Centre - Abu Dhabi

All numbers are rounded to the nearest 100 persons, Therefore, numbers may not add to totals.

### 3.1.11. Citizen Population Estimates by Age Group and Gender - Abu Dhabi Region, Mid 2011

Age Group	Males	Females	Total
<b>Total</b>	<b>121,700</b>	<b>114,200</b>	<b>236,000</b>
0-4	17,500	16,300	33,700
5-9	15,900	14,600	30,500
10-14	13,200	12,000	25,200
15-19	12,700	12,000	24,700
20-24	12,200	12,400	24,500
25-29	12,300	11,900	24,300
30-34	11,100	10,100	21,200
35-39	7,600	7,400	15,000
40-44	5,500	5,100	10,600
45-49	4,100	3,800	7,900
50-54	3,000	3,000	6,000
55-59	2,300	2,200	4,500
60-64	1,800	1,400	3,200
65-69	1,000	800	1,800
70-74	700	600	1,400
75-79	400	300	700
80+	400	400	800

**Source:** Statistics Centre - Abu Dhabi

All numbers are rounded to the nearest 100 persons, Therefore, numbers may not add to totals.

**3.1.12. Non-Citizen Population Estimates by Age Group and Gender-  
Abu Dhabi, Mid 2011**

Age Group	Males	Females	Total
<b>Total</b>	<b>795,300</b>	<b>279,000</b>	<b>1,074,300</b>
0-4	28,000	25,200	53,200
5-9	24,000	22,300	46,400
10-14	19,500	18,000	37,500
15-19	18,400	16,000	34,400
20-24	86,300	28,600	114,900
25-29	177,400	43,900	221,300
30-34	151,500	39,400	190,900
35-39	105,300	29,900	135,200
40-44	75,800	20,800	96,700
45-49	46,100	14,300	60,400
50-54	32,000	9,600	41,600
55-59	19,200	5,500	24,700
60-64	7,700	2,700	10,500
65-69	2,400	1,300	3,700
70-74	900	700	1,500
75-79	300	300	700
80+	300	500	800

**Source:** Statistics Centre - Abu Dhabi  
 All numbers are rounded to the nearest 100 persons, Therefore, numbers may not add to totals.

### 3.1.13. Population Estimates by Age Group and Gender - Abu Dhabi Urban, Mid 2011

Age Group	Males	Females	Total
<b>Total</b>	<b>618,800</b>	<b>284,600</b>	<b>903,400</b>
0-4	31,400	28,700	60,100
5-9	28,300	26,100	54,400
10-14	22,800	21,000	43,800
15-19	20,700	18,700	39,400
20-24	62,500	26,200	88,800
25-29	118,800	39,800	158,500
30-34	105,100	37,800	142,900
35-39	78,300	28,800	107,100
40-44	58,000	20,800	78,800
45-49	37,000	14,600	51,500
50-54	26,700	10,000	36,700
55-59	17,000	6,000	23,000
60-64	7,600	3,000	10,600
65-69	2,600	1,400	4,100
70-74	1,000	800	1,900
75-79	400	400	800
80+	300	600	900

Source: Statistics Centre - Abu Dhabi

All numbers are rounded to the nearest 100 persons, Therefore, numbers may not add to totals.

### 3.1.14. Citizen Population Estimates by Age Group and Gender - Abu Dhabi Urban, Mid 2011

Age Group	Males	Females	Total
<b>Total</b>	<b>58,300</b>	<b>53,900</b>	<b>112,200</b>
0-4	8,000	7,500	15,400
5-9	7,500	6,800	14,300
10-14	5,900	5,500	11,400
15-19	5,300	5,700	10,900
20-24	5,300	5,700	11,000
25-29	5,900	5,300	11,200
30-34	5,800	5,200	11,100
35-39	4,600	4,100	8,700
40-44	3,300	2,700	6,000
45-49	2,200	1,800	4,000
50-54	1,500	1,300	2,800
55-59	1,100	900	2,100
60-64	800	600	1,300
65-69	400	300	700
70-74	300	300	600
75-79	200	100	300
80+	100	200	300

**Source:** Statistics Centre - Abu Dhabi

All numbers are rounded to the nearest 100 persons, Therefore, numbers may not add to totals.

### 3.1.15. Non-Citizen Population Estimates by Age Group and Gender - Abu Dhabi Urban, Mid 2011

Age Group	Males	Females	Total
<b>Total</b>	<b>560,500</b>	<b>230,700</b>	<b>791,200</b>
0-4	23,500	21,200	44,700
5-9	20,800	19,300	40,000
10-14	16,900	15,600	32,500
15-19	15,400	13,100	28,400
20-24	57,200	20,600	77,700
25-29	112,900	34,500	147,400
30-34	99,300	32,500	131,800
35-39	73,700	24,700	98,500
40-44	54,700	18,100	72,800
45-49	34,800	12,700	47,500
50-54	25,200	8,700	33,900
55-59	15,900	5,100	21,000
60-64	6,900	2,400	9,300
65-69	2,200	1,100	3,300
70-74	700	500	1,300
75-79	300	300	500
80+	200	400	600

**Source:** Statistics Centre - Abu Dhabi

All numbers are rounded to the nearest 100 persons, Therefore, numbers may not add to totals.

### 3.1.16. Population Estimates by Age Group and Gender - Abu Dhabi Rural, Mid 2011

Age Group	Males	Females	Total
<b>Total</b>	<b>298,300</b>	<b>108,600</b>	<b>406,800</b>
0-4	14,000	12,800	26,800
5-9	11,600	10,900	22,500
10-14	9,900	8,900	18,800
15-19	10,500	9,300	19,800
20-24	36,000	14,700	50,600
25-29	71,000	16,000	87,000
30-34	57,500	11,700	69,200
35-39	34,600	8,500	43,100
40-44	23,300	5,200	28,500
45-49	13,200	3,600	16,700
50-54	8,200	2,600	10,900
55-59	4,500	1,700	6,200
60-64	1,900	1,100	3,000
65-69	800	600	1,500
70-74	600	500	1,000
75-79	300	200	500
80+	300	400	700

Source: Statistics Centre - Abu Dhabi

All numbers are rounded to the nearest 100 persons, Therefore, numbers may not add to totals.

### 3.1.17. Citizen Population Estimates by Age Group and Gender - Abu Dhabi Rural, Mid 2011

Age Group	Males	Females	Total
<b>Total</b>	<b>63,500</b>	<b>60,300</b>	<b>123,700</b>
0-4	9,500	8,800	18,300
5-9	8,400	7,800	16,200
10-14	7,300	6,600	13,800
15-19	7,400	6,400	13,800
20-24	6,800	6,700	13,500
25-29	6,500	6,600	13,100
30-34	5,300	4,800	10,100
35-39	3,000	3,300	6,300
40-44	2,200	2,400	4,600
45-49	1,800	2,000	3,800
50-54	1,400	1,700	3,200
55-59	1,200	1,200	2,400
60-64	1,000	800	1,900
65-69	600	500	1,100
70-74	500	300	800
75-79	200	100	400
80+	200	200	500

**Source:** Statistics Centre - Abu Dhabi

All numbers are rounded to the nearest 100 persons, Therefore, numbers may not add to totals.



### 3.1.18. Non-Citizen Population Estimates by Age Group and Gender - Abu Dhabi Rural, Mid 2011

Age Group	Males	Females	Total
<b>Total</b>	<b>234,800</b>	<b>48,300</b>	<b>283,100</b>
0-4	4,500	4,000	8,500
5-9	3,300	3,100	6,300
10-14	2,600	2,400	5,000
15-19	3,100	2,900	6,000
20-24	29,100	8,000	37,200
25-29	64,500	9,400	73,900
30-34	52,200	6,800	59,100
35-39	31,600	5,200	36,700
40-44	21,100	2,800	23,900
45-49	11,300	1,600	12,900
50-54	6,800	900	7,700
55-59	3,300	500	3,800
60-64	900	300	1,200
65-69	200	200	400
70-74	100	100	200
75-79	100	100	100
80+	100	200	200

Source: Statistics Centre - Abu Dhabi

All numbers are rounded to the nearest 100 persons, Therefore, numbers may not add to totals.

### 3.1.19. Population Estimates by Age Group and Gender - Al Ain Region, Mid 2011

Age Group	Males	Females	Total
<b>Total</b>	<b>382,500</b>	<b>202,300</b>	<b>584,800</b>
0-4	24,400	22,900	47,300
5-9	21,700	20,300	41,900
10-14	18,300	16,900	35,300
15-19	19,200	17,200	36,400
20-24	45,400	24,800	70,200
25-29	67,800	29,300	97,100
30-34	56,800	22,900	79,700
35-39	43,500	16,100	59,700
40-44	32,800	10,900	43,700
45-49	21,400	7,500	28,900
50-54	14,800	5,300	20,200
55-59	8,600	3,300	11,900
60-64	3,800	1,800	5,600
65-69	1,700	1,100	2,800
70-74	1,100	800	1,900
75-79	500	400	900
80+	700	700	1,300

Source: Statistics Centre - Abu Dhabi

All numbers are rounded to the nearest 100 persons, Therefore, numbers may not add to totals.

### 3.1.20. Citizen Population Estimates by Age Group and Gender - Al Ain Region, Mid 2011

Age Group	Males	Females	Total
<b>Total</b>	<b>90,400</b>	<b>88,100</b>	<b>178,500</b>
0-4	14,000	13,300	27,200
5-9	12,100	11,400	23,500
10-14	10,300	9,400	19,700
15-19	9,900	9,400	19,300
20-24	9,500	9,300	18,800
25-29	9,000	9,400	18,500
30-34	7,800	7,500	15,300
35-39	5,000	5,100	10,100
40-44	3,300	3,500	6,800
45-49	2,400	2,700	5,100
50-54	1,900	2,300	4,100
55-59	1,500	1,700	3,200
60-64	1,300	1,100	2,400
65-69	900	700	1,600
70-74	700	600	1,300
75-79	300	300	600
80+	600	500	1,000

**Source:** Statistics Centre - Abu Dhabi

All numbers are rounded to the nearest 100 persons, Therefore, numbers may not add to totals.

### 3.1.21. Non-Citizen Population Estimates by Age Group and Gender - Al Ain Region, Mid 2011

Age Group	Males	Females	Total
<b>Total</b>	<b>292,100</b>	<b>114,200</b>	<b>406,300</b>
0-4	10,500	9,600	20,100
5-9	9,600	8,800	18,400
10-14	8,100	7,500	15,500
15-19	9,200	7,900	17,100
20-24	35,900	15,500	51,500
25-29	58,800	19,900	78,600
30-34	49,100	15,300	64,400
35-39	38,600	11,000	49,600
40-44	29,500	7,400	36,900
45-49	19,000	4,800	23,800
50-54	13,000	3,000	16,000
55-59	7,100	1,600	8,700
60-64	2,400	800	3,200
65-69	800	400	1,200
70-74	400	200	600
75-79	100	200	300
80+	100	200	300

Source: Statistics Centre - Abu Dhabi

All numbers are rounded to the nearest 100 persons, Therefore, numbers may not add to totals.

### 3.1.22. Population Estimates by Age Group and Gender - Al Ain Region Urban, Mid 2011

Age Group	Males	Females	Total
<b>Total</b>	<b>247,200</b>	<b>142,300</b>	<b>389,400</b>
0-4	16,800	15,800	32,600
5-9	14,900	14,000	28,900
10-14	12,500	11,400	23,900
15-19	12,700	11,100	23,800
20-24	27,700	16,100	43,800
25-29	42,500	20,600	63,000
30-34	35,800	17,000	52,800
35-39	27,500	12,500	40,100
40-44	20,800	8,400	29,200
45-49	14,300	5,700	20,000
50-54	10,400	3,900	14,300
55-59	6,100	2,400	8,600
60-64	2,700	1,300	4,000
65-69	1,200	800	1,900
70-74	700	600	1,300
75-79	300	300	600
80+	400	400	800

Source: Statistics Centre - Abu Dhabi

All numbers are rounded to the nearest 100 persons, Therefore, numbers may not add to totals.

### 3.1.23. Citizen Population Estimates by Age Group and Gender - Al Ain Region Urban, Mid 2011

Age Group	Males	Females	Total
<b>Total</b>	<b>52,200</b>	<b>51,700</b>	<b>103,800</b>
0-4	8,100	7,700	15,800
5-9	6,800	6,700	13,500
10-14	5,800	5,200	11,000
15-19	5,600	5,100	10,700
20-24	5,300	5,300	10,600
25-29	5,200	5,500	10,700
30-34	4,700	4,800	9,500
35-39	3,200	3,400	6,600
40-44	2,000	2,200	4,200
45-49	1,400	1,600	3,000
50-54	1,000	1,300	2,300
55-59	800	1,000	1,800
60-64	700	700	1,400
65-69	500	500	900
70-74	400	400	800
75-79	200	200	400
80+	300	300	600

**Source:** Statistics Centre - Abu Dhabi

All numbers are rounded to the nearest 100 persons, Therefore, numbers may not add to totals.

### 3.1.24. Non-Citizen Population Estimates by Age Group and Gender - Al Ain Region Urban, Mid 2011

Age Group	Males	Females	Total
<b>Total</b>	<b>195,000</b>	<b>90,600</b>	<b>285,600</b>
0-4	8,700	8,000	16,700
5-9	8,000	7,400	15,400
10-14	6,700	6,200	12,900
15-19	7,100	6,000	13,100
20-24	22,400	10,800	33,200
25-29	37,300	15,000	52,300
30-34	31,100	12,200	43,300
35-39	24,400	9,200	33,500
40-44	18,700	6,200	25,000
45-49	12,900	4,100	17,000
50-54	9,400	2,600	12,000
55-59	5,300	1,400	6,800
60-64	2,000	600	2,600
65-69	700	300	1,000
70-74	300	200	500
75-79	100	100	200
80+	100	100	200

**Source:** Statistics Centre - Abu Dhabi

All numbers are rounded to the nearest 100 persons, Therefore, numbers may not add to totals.

### 3.1.25. Population Estimates by Age Group and Gender - Al Ain Region Rural, Mid 2011

Age Group	Males	Females	Total
<b>Total</b>	<b>135,300</b>	<b>60,000</b>	<b>195,400</b>
0-4	7,600	7,200	14,800
5-9	6,800	6,200	13,000
10-14	5,900	5,500	11,400
15-19	6,500	6,100	12,600
20-24	17,700	8,700	26,400
25-29	25,300	8,700	34,100
30-34	21,000	5,900	26,900
35-39	16,000	3,600	19,600
40-44	12,000	2,500	14,500
45-49	7,100	1,800	8,900
50-54	4,400	1,400	5,800
55-59	2,500	900	3,300
60-64	1,100	500	1,600
65-69	500	300	900
70-74	400	300	600
75-79	200	200	300
80+	300	300	500

**Source:** Statistics Centre - Abu Dhabi

All numbers are rounded to the nearest 100 persons, Therefore, numbers may not add to totals.



### 3.1.26. Citizen Population Estimates by Age Group and Gender - Al Ain Region Rural, Mid 2011

Age Group	Males	Females	Total
<b>Total</b>	<b>38,200</b>	<b>36,500</b>	<b>74,700</b>
0-4	5,900	5,500	11,400
5-9	5,200	4,800	10,000
10-14	4,500	4,200	8,700
15-19	4,300	4,200	8,600
20-24	4,200	4,000	8,200
25-29	3,900	3,900	7,800
30-34	3,100	2,800	5,800
35-39	1,800	1,800	3,500
40-44	1,200	1,300	2,600
45-49	1,000	1,100	2,100
50-54	800	1,000	1,800
55-59	700	700	1,400
60-64	600	400	1,000
65-69	400	300	700
70-74	300	200	500
75-79	100	100	300
80+	200	200	400

**Source:** Statistics Centre - Abu Dhabi

All numbers are rounded to the nearest 100 persons, Therefore, numbers may not add to totals.

### 3.1.27. Non-Citizen Population Estimates by Age Group and Gender - Al Ain Region Rural, Mid 2011

Age Group	Males	Females	Total
<b>Total</b>	<b>97,100</b>	<b>23,600</b>	<b>120,700</b>
0-4	1,800	1,600	3,400
5-9	1,600	1,500	3,000
10-14	1,400	1,300	2,700
15-19	2,200	1,900	4,000
20-24	13,500	4,700	18,200
25-29	21,500	4,800	26,300
30-34	18,000	3,100	21,100
35-39	14,200	1,800	16,100
40-44	10,800	1,100	12,000
45-49	6,200	600	6,800
50-54	3,600	400	4,000
55-59	1,700	200	1,900
60-64	500	100	600
65-69	100	100	200
70-74	100	100	100
75-79	0	0	100
80+	0	100	100

Source: Statistics Centre - Abu Dhabi

All numbers are rounded to the nearest 100 persons, Therefore, numbers may not add to totals.

### 3.1.28. Population Estimates by Age Group and Gender - Al Gharbia, Mid 2011

Age Group	Males	Females	Total
<b>Total</b>	<b>200,300</b>	<b>25,400</b>	<b>225,700</b>
0-4	3,300	3,100	6,400
5-9	3,100	3,000	6,100
10-14	2,500	2,500	5,000
15-19	3,600	2,200	5,900
20-24	24,400	2,800	27,100
25-29	45,900	3,200	49,200
30-34	38,000	2,700	40,700
35-39	28,900	2,100	30,900
40-44	21,600	1,400	23,100
45-49	13,500	900	14,400
50-54	9,100	600	9,700
55-59	4,500	400	4,900
60-64	1,200	200	1,400
65-69	300	100	400
70-74	100	100	200
75-79	100	100	100
80+	100	100	200

**Source:** Statistics Centre - Abu Dhabi

All numbers are rounded to the nearest 100 persons, Therefore, numbers may not add to totals.

### 3.1.29. Citizen Population Estimates by Age Group and Gender - Al Gharbia, Mid 2011

Age Group	Males	Females	Total
<b>Total</b>	<b>14,300</b>	<b>10,300</b>	<b>24,600</b>
0-4	1,600	1,500	3,100
5-9	1,400	1,400	2,800
10-14	1,200	1,200	2,300
15-19	1,200	1,100	2,400
20-24	1,700	1,100	2,800
25-29	2,100	1,100	3,200
30-34	1,900	800	2,700
35-39	1,000	500	1,600
40-44	600	400	1,000
45-49	500	300	800
50-54	400	300	600
55-59	200	200	400
60-64	100	100	300
65-69	100	100	200
70-74	100	100	200
75-79	100	0	100
80+	100	100	200

**Source:** Statistics Centre - Abu Dhabi

All numbers are rounded to the nearest 100 persons, Therefore, numbers may not add to totals.

### 3.1.30. Non-Citizen Population Estimates by Age Group and Gender - Al Gharbia, Mid 2011

Age Group	Males	Females	Total
<b>Total</b>	<b>185,900</b>	<b>15,100</b>	<b>201,100</b>
0-4	1,700	1,600	3,300
5-9	1,700	1,600	3,300
10-14	1,300	1,300	2,600
15-19	2,400	1,100	3,500
20-24	22,600	1,700	24,300
25-29	43,800	2,200	46,000
30-34	36,100	1,900	38,000
35-39	27,900	1,500	29,400
40-44	21,000	1,000	22,100
45-49	13,000	600	13,600
50-54	8,700	400	9,100
55-59	4,300	200	4,500
60-64	1,100	100	1,200
65-69	200	0	200
70-74	0	0	100
75-79	0	0	0
80+	0	0	0

Source: Statistics Centre - Abu Dhabi

All numbers are rounded to the nearest 100 persons, Therefore, numbers may not add to totals.

### 3.1.31. Age, Dependency ratio by type, Citizenship and Region, Mid 2011

Type/ Citizenship	Total	Abu Dhabi	Al Ain	Al Gharbia
<b>Age Dependency Ratio</b>				
Grand Total	22.4	22.2	29.0	8.9
Citizens	68.1	66.3	72.5	56.0
Non-Citizens	14.2	15.4	16.1	5.0
<b>Age Dependency Ratio, Old</b>				
Grand Total	1.1	1.1	1.5	0.5
Citizens	3.8	3.3	4.4	3.8
Non-Citizens	0.6	0.7	0.7	0.2
<b>Age Dependency Ratio, Young</b>				
Grand Total	21.3	21.1	27.5	8.4
Citizens	64.4	63.0	68.1	52.2
Non-Citizens	13.6	14.7	15.5	4.8

Source: Statistics Centre - Abu Dhabi

### 3.1.32 Sex Ratio Mid 2011

*Male per 100 female*

Citizenship	Total	Abu Dhabi	Al Ain	Al Gharbia
<b>Grand Total</b>	<b>241.6</b>	<b>233.2</b>	<b>189.1</b>	<b>788.6</b>
Citizens	106.5	106.6	102.6	138.8
Non-Citizens	311.9	285.1	255.8	1231.1

Source: Statistics Centre - Abu Dhabi

### 3.1.33 Sex Ratio

Male per 100 female

Citizenship	2005	2009	2010	2011
<b>Grand Total</b>	<b>197.2</b>	<b>225.5</b>	<b>234.6</b>	<b>241.6</b>
Citizens	102.0	101.1	100.9	106.5
Non-Citizens	252.9	297.6	312.2	311.9

Source: Statistics Centre - Abu Dhabi

### 3.1.34. Percentage Distribution of Population by Wide Age Group, Citizenship and Gender, 2011

(%)

Citizenship / Gender	0-14	15-64	65+
<b>Grand Total</b>	<b>17.4</b>	<b>81.7</b>	<b>0.9</b>
Males	12.8	86.5	0.7
Females	28.5	70.1	1.3
Citizens	38.3	59.5	2.2
Males	38.4	59.2	2.4
Females	38.2	59.8	2.1
Non-Citizens	11.9	87.5	0.6
Males	8.2	91.4	0.4
Females	23.5	75.5	0.9

Source: Statistics Centre - Abu Dhabi

### 3.2. Births and Deaths

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

Deaths are measured by place of death of the deceased person. Data on deaths are also sourced from the Health Authority, Abu Dhabi.

The number of births in the Abu Dhabi Emirate in 2011 was 32,084, comprising 16,318 males and 15,766 females. The number of deaths during the same year were 2,902 including 2,075 males and 824 females.

The 2011 Crude Birth Rates for citizens, non-citizens and the Emirate as a whole were 33.3, 10.3 and 15.1 births per 1,000 population respectively.

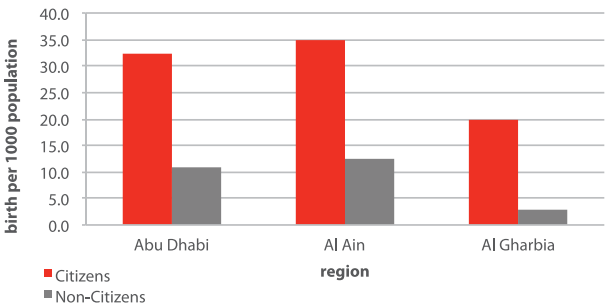
The percentages of births likely to survive to an age of 65 years for citizens and non-citizens are almost identical at 88.6%. The percentages of individuals likely to survive from 15 to 60 years of age among citizens and non-citizens are 91.7% and 94.3% respectively.

Life expectancy at birth represents the average number of years that a baby could expect to live, assuming current age-specific death rates were experienced. In 2011, life expectancy at birth for Abu Dhabi Emirate was 77.1 years for males and 78.2 years for females. Life expectancy at birth was 76.5 years for citizens, and 78.2 years for non-citizens.

The 2011 Infant Mortality Rates for citizens, Non-citizens and the Emirate as a whole were 5.7, 6.7 and 6.3 infant (less than one year old) deaths per 1,000 live births respectively. The corresponding figures among citizens by gender are 5.9 male infant deaths per 1,000 male live births and 5.5 female infant deaths per 1,000 female live births.

The 2011 Crude Death Rates for citizens, non-citizens and the Emirate as a whole were 2.1, 1.2 and 1.4 deaths per 1,000 population respectively.

Figure 3.2.1 Crude Birth Rate (Per 1000 Population) by Citizenship and Region, 2011



Source: Statistics Centre - Abu-Dhabi



### 3.2.1. Sex Ratio at Birth by Citizenship

Male per 100 female

Citizenship	2005	2009	2010	2011
<b>Grand Total</b>	<b>106.3</b>	<b>105.9</b>	<b>108.4</b>	<b>103.5</b>
Citizens	105.2	106.9	107.3	103.1
Non-Citizens	107.2	105.0	109.3	103.9

Source: Statistics Centre - Abu Dhabi

### 3.2.2. Sex Ratio at Birth by Citizenship and Region, 2011

Male per 100 female

Citizenship	Total	Abu Dhabi	Al Ain	Al Gharbia
<b>Grand Total</b>	<b>103.5</b>	<b>103.9</b>	<b>102.3</b>	<b>105.1</b>
Citizens	103.1	103.1	102.2	105.9
Non-Citizens	103.9	104.5	102.4	104.1

Source: Statistics Centre - Abu Dhabi

### 3.2.3. Births by Citizenship, Gender and Region, 2011 \*

Citizenship / Gender	Total	Abu Dhabi	Al Ain	Al Gharbia
<b>Grand Total</b>	<b>31,755</b>	<b>19,293</b>	<b>11,374</b>	<b>1,088</b>
Males	16,142	9,834	5,751	557
Females	15,613	9,459	5,623	531
<b>Citizens</b>	<b>14,361</b>	<b>7,624</b>	<b>6,247</b>	<b>490</b>
Males	7,279	3,870	3,157	252
Females	7,082	3,754	3,090	238
<b>Non-Citizens</b>	<b>17,394</b>	<b>11,669</b>	<b>5,127</b>	<b>598</b>
Males	8,863	5,964	2,594	305
Females	8,531	5,705	2,533	293

Source: Health Authority - Abu Dhabi

\*Excluding 52 cases with not stated Citizenship or Regions and 277 case who were born outside UAE and registered in HAAD

### 3.2.4. Crude Birth Rate (Per 1000 Population) by Citizenship \*

Citizenship / Gender	2005	2009	2010	2011
<b>Grand Total</b>	<b>19.7</b>	<b>15.9</b>	<b>15.0</b>	<b>15.1</b>
Citizens	35.7	32.5	31.1	33.3
Non-Citizens	14.4	11.0	10.3	10.3

Source: Statistics Centre - Abu Dhabi

\*Excluding 52 cases with not stated Citizenship in 2011, 50 cases in 2010 and 34 cases in 2009

### 3.2.5. Crude Birth Rate (Per 1000 Population) by Citizenship and Region, 2011 \*

Citizenship / Gender	Total	Abu Dhabi	Al Ain	Al Gharbia
<b>Grand Total</b>	<b>15.1</b>	<b>14.7</b>	<b>19.5</b>	<b>4.8</b>
Citizens	33.3	32.3	35.0	19.9
Non-Citizens	10.3	10.9	12.6	3.0

Source: Statistics Centre - Abu Dhabi

\*Excluding 52 cases with not stated Citizenship or Regions and 277 case who were born outside UAE and registered in HAAD

### 3.2.6. Deaths by Citizenship , Gender and Region, 2011 \*

Citizenship / Gender	Total	Abu Dhabi	Al Ain	Al Gharbia
<b>Grand Total</b>	<b>2,814</b>	<b>1,635</b>	<b>952</b>	<b>227</b>
Males	2,017	1,163	646	208
Females	797	472	306	19
<b>Citizens</b>	<b>861</b>	<b>468</b>	<b>351</b>	<b>42</b>
Males	518	282	205	31
Females	343	186	146	11
<b>Non- Citizens</b>	<b>1,953</b>	<b>1,167</b>	<b>601</b>	<b>185</b>
Males	1,499	881	441	177
Females	454	286	160	8

Source: Health Authority - Abu Dhabi

\*Excluding 10 cases with not stated Citizenship, Gender or Region

\* There are 78 citizens cases who died out side UAE and were registered by HAAD

### 3.2.7. Crude Death Rate (Per 1000 Population) by Citizenship and Gender \*

Citizenship / Gender	2005	2009	2010	2011
<b>Grand Total</b>	<b>1.8</b>	<b>1.6</b>	<b>1.5</b>	<b>1.4</b>
Males	1.9	1.8	1.5	1.4
Females	1.5	1.3	1.4	1.3
<b>Citizens</b>	<b>2.4</b>	<b>2.4</b>	<b>2.2</b>	<b>2.1</b>
Males	2.8	3.0	2.6	2.5
Females	1.9	1.8	1.8	1.7
<b>Non-Citizens</b>	<b>1.6</b>	<b>1.4</b>	<b>1.2</b>	<b>1.2</b>
Males	1.7	1.5	1.3	1.2
Females	1.3	1.1	1.1	1.1

Source: Statistics Centre - Abu Dhabi

\*Excluding 4 cases with not stated Citizenship or Gender 2011, 26 cases in 2010, 16 cases in 2009

### 3.2.8. Crude Death Rate (Per 1000 Population) by Citizenship , Gender and Region, 2011 \*

Citizenship / Gender	Total	Abu Dhabi	Al Ain	Al Gharbia
<b>Grand Total</b>	<b>1.4</b>	<b>1.3</b>	<b>1.6</b>	<b>1.0</b>
Males	1.4	1.3	1.7	1.0
Females	1.3	1.2	1.5	0.7
<b>Citizens</b>	<b>2.1</b>	<b>2.0</b>	<b>2.0</b>	<b>1.7</b>
Males	2.5	2.3	2.3	2.2
Females	1.7	1.6	1.7	1.1
<b>Non- Citizens</b>	<b>1.2</b>	<b>1.1</b>	<b>1.5</b>	<b>0.9</b>
Males	1.2	1.1	1.5	1.0
Females	1.1	1.0	1.4	0.5

Source: Statistics Centre - Abu Dhabi

\*Excluding 10 cases with not stated Citizenship, Gender or Region

\* There are 78 citizens cases who died out side UAE and registred by HAAD

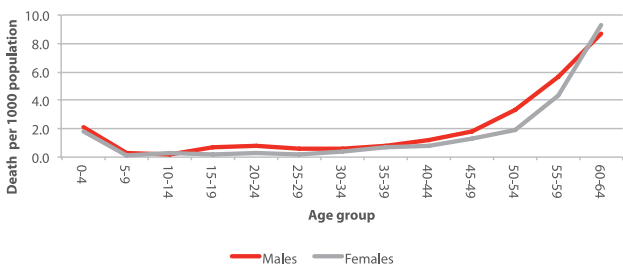
### 3.2.9. Age Specific Death Rate (Per 1000 Population)by Age Group and Gender, 2011

Age Group	Total*	Males	Females
<b>Total</b>	<b>1.4</b>	<b>1.4</b>	<b>1.3</b>
0-4	2.0	2.1	1.8
5-9	0.2	0.3	0.1
10-14	0.2	0.2	0.3
15-19	0.4	0.7	0.2
20-24	0.6	0.8	0.3
25-29	0.5	0.6	0.2
30-34	0.5	0.6	0.3
35-39	0.8	0.8	0.6
40-44	1.1	1.2	0.8
45-49	1.7	1.8	1.3
50-54	3.0	3.3	1.9
55-59	5.3	5.6	4.3
60-64	8.9	8.6	9.3
65-69	19.1	19.3	18.7
70-74	33.8	35.4	31.7
75-79	60.0	60.5	59.4
80+	96.7	95.1	98.0

Source: Statistics Centre - Abu Dhabi

\*Excluding 10 cases with not stated Citizenship, Gender or Region

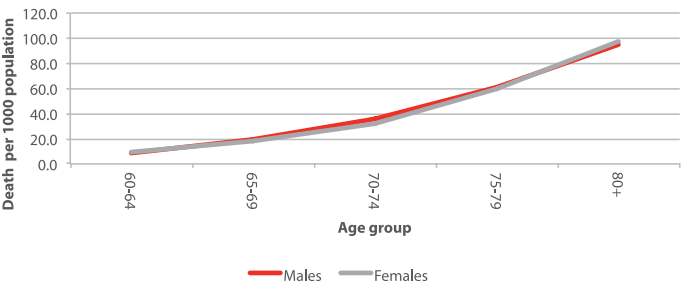
**Figure 3.2.2 Age Specific Deaths Rate (Per 1000 Population)by Age Group (up to 64 years) and Gender, 2011**



**Source:** Statistics Centre - Abu Dhabi

\* Age range truncated in the figure to depict gender variation for these age groups

**Figure 3.2.3 Age Specific Death Rate (Per 1000 Population)by Age Group (60 years and over) and Gender, 2011**



**Source:** Statistics Centre - Abu Dhabi

### 3.2.10. Deaths by Region, Citizenship, Gender and Age at Death, 2011\*

Region / Citizenship / Gender	Deaths	Neonatal Deaths	Infant Deaths	Child Deaths
	(All Ages)	Below 1 Month	Under 1 Year	(1 -4) Years
Abu Dhabi Emirate	2,821	127	202	72
Abu Dhabi	1,642	102	157	47
Al Ain	952	21	40	22
Al Gharbia	227	4	5	3
<b>Citizenship</b>				
Citizens	862	57	87	38
Non-Citizens	1,955	69	117	37
Not Stated	4	1	1	0
<b>Gender</b>				
Males	2,019	78	115	41
Females	799	49	90	34
Not Stated	3	0	0	0

Source: Health Authority - Abu Dhabi

\* Excluding 78 citizens cases who died out side UAE and were registered by HAAD

\* Excluding 3 cases insufficient information about age, region and citizenship

### 3.2.11. Infant Mortality Rate (Under 1 year) (Per 1000 Live Births) by Citizenship, Gender and Region, 2011 \*

Citizenship / Gender	Total	Abu Dhabi	Al Ain	Al Gharbia
<b>Grand Total</b>	<b>6.3</b>	<b>8.1</b>	<b>3.5</b>	<b>4.6</b>
Males	7.0	9.0	3.8	5.4
Females	5.5	7.1	3.2	3.8
<b>Citizens</b>	<b>5.7</b>	<b>8.5</b>	<b>2.4</b>	<b>8.2</b>
Males	5.9	9.0	1.9	11.9
Females	5.5	8.0	2.9	4.2
<b>Non- Citizen</b>	<b>6.7</b>	<b>7.8</b>	<b>4.9</b>	<b>1.7</b>
Males	7.9	9.1	6.2	0.0
Females	5.5	6.5	3.6	3.4

Source: Statistics Centre - Abu Dhabi

\*Excluding 1 case with not Stated Citizenship, gender and region

Data collection method of deaths by HAAD changed in 2011

### 3.2.12. Child Mortality Rate (Under 5 years)(Per 1000 Live Births) by Citizenship, Gender and Region, 2011\*

Citizenship / Gender	Total	Abu Dhabi	Al Ain	Al Gharbia
<b>Grand Total</b>	<b>8.5</b>	<b>10.5</b>	<b>5.4</b>	<b>7.3</b>
Males	9.3	11.8	5.2	10.8
Females	7.7	9.2	5.7	3.8
<b>Citizens</b>	<b>8.1</b>	<b>11.4</b>	<b>4.0</b>	<b>14.3</b>
Males	8.5	12.4	2.9	23.8
Females	7.8	10.4	5.2	4.2
<b>Non-Citizens</b>	<b>8.9</b>	<b>9.9</b>	<b>7.2</b>	<b>1.7</b>
Males	10.0	11.4	8.1	0.0
Females	7.6	8.4	6.3	3.4

Source: Statistics Centre - Abu Dhabi

\*Excluding 1 case with not Stated Citizenship or Gender  
Data Collection for Death Change 2011,HAAD

### 3.2.13. Natural Increase Rate (Per 100 Population) by Citizenship, Gender and Region, 2011

Citizenship	Total	Abu Dhabi	Al Ain	Al Gharbia
<b>Grand Total</b>	<b>1.4</b>	<b>1.3</b>	<b>1.8</b>	<b>0.4</b>
Citizens	3.1	3.0	3.3	1.8
Non-Citizens	0.9	1.0	1.1	0.2

Source: Statistics Centre - Abu Dhabi

### 3.2.14. General Fertility Rate (Births per 1000 female population 15-49 years) by Citizenship and Region, 2011

Citizenship	Total	Abu Dhabi	Al Ain	Al Gharbia
<b>Total</b>	<b>80.3</b>	<b>75.6</b>	<b>88.6</b>	<b>71.2</b>
Citizens	127.4	121.8	133.2	91.3
Non Citizens	61.1	60.5	62.7	60.2

Source: Statistics Centre - Abu Dhabi

Calculation based on births registered by HAAD

### 3.2.15. Total Fertility Rate (Per woman 15-49 years) by Citizenship and Region, 2011

Citizenship	Total	Abu Dhabi	Al Ain	Al Gharbia
<b>Total</b>	<b>1.9</b>	<b>2.0</b>	<b>1.8</b>	<b>1.4</b>
Citizens	3.8	3.0	5.6	3.0
Non Citizens	1.4	1.7	1.0	1.0

Source: Statistics Centre - Abu Dhabi

Calculation based on births registered by HAAD

### 3.2.16. Age Specific Fertility Rates (Births per 1000 female population 15-49 years) by Age Group and Region, 2011

Age Group	Total	Abu Dhabi	Al Ain	Al Gharbia
15-19	22.3	20.1	25.6	16.9
20-24	81.1	82.5	79.9	54.9
25-29	94.0	103.8	83.0	56.6
30-34	91.8	97.9	83.8	66.5
35-39	62.0	64.2	58.8	51.9
40-44	22.8	23.2	21.5	22.3
45-49	3.2	2.8	3.4	4.5

Source: Statistics Centre - Abu Dhabi

Calculation based on births registered by HAAD



### 3.2.17. Life Expectancy at Birth (years) by Citizenship, Region and Gender 2011

Citizenship / Region	Total	Males	Females
<b>Total</b>	<b>77.6</b>	<b>77.1</b>	<b>78.2</b>
Citizens	76.5	75.6	77.5
Non-Citizens	78.2	77.2	79.2
Abu Dhabi Region	77.5	77.1	77.8
Al Ain Region	78.2	77.2	79.2
Al Gharbia	79.5	-	-

Source: Statistics Centre - Abu Dhabi

### 3.2.18. Births Surviving to Age 65 Years by Citizenship, Gender and Region, 2011

Citizenship / Region	Total	Males	Females
<b>Total</b>	<b>88.6</b>	<b>87.6</b>	<b>89.8</b>
Citizens	85.9	82.8	89.2
Non-Citizens	89.3	88.5	90.0
Abu Dhabi Region	90.0	88.4	91.6
Al Ain Region	84.9	83.9	86.0
Al Gharbia	88.8	-	-

Source: Statistics Centre - Abu Dhabi

### 3.2.19. Individuals Aged 15 Who Will Survive to Age 60 Years by Citizenship, Gender and Region, 2011

Citizenship / Region	Total	Males	Females
<b>Total</b>	<b>93.8</b>	<b>92.6</b>	<b>95.1</b>
Citizens	91.7	89.2	94.4
Non-Citizens	94.3	93.1	95.4
Abu Dhabi Region	94.5	93.2	96.0
Al Ain Region	90.9	88.5	93.5
Al Gharbia	93.2	-	-

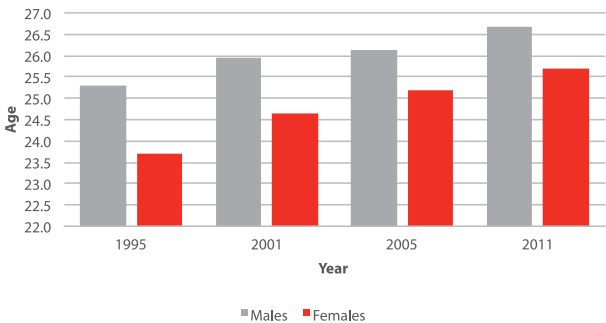
Source: Statistics Centre - Abu Dhabi

### 3.3. Marriage and Divorce

Marriages are measured as the number of marriage contracts issued by the Department of the Judiciary - Abu Dhabi. According to Department of the Judiciary statistics there were 5,708 new marriage contracts in 2011, in 3,145 of these marriages the wife was an Emirati Citizen. Divorces are measured as the number of marriage dissolutions granted by the Department of the Judiciary - Abu Dhabi. The number of marriage dissolutions granted during 2011 were 1,803, of which 897 divorces involved female Emirati citizens.

The average age at first marriage is measured by the Singulate Mean Age at first Marriage (SMAM). SMAM is an indirect measure of the average number of years spent as single for those who marry before becoming 50 years of age. Female citizen SMAM increased from 23.7 years in 1995 to 25.7 years in 2011, while the SMAM for males did not show an equally significant increase. The increase for males was only from 25.3 years in 1995 to 26.7 years in 2011.

**Figure 3.3.1. Singulate Mean Age at first Marriage Citizens by Gender**



Source: Statistics Centre - Abu Dhabi

### 3.3.1. Registered Marriages By Region, Citizenship and Gender

Region, Citizenship and Gender	2005	2009	2010	2011
<b>Abu Dhabi Emirate</b>	5,552	5,911	5,848	5,708
<b>Citizens</b>				
Males	3,353	3,687	3,642	3,521
Females	3,059	3,255	3,242	3,145
<b>Non- Citizens</b>				
Males	2,199	2,224	2,206	2,187
Females	2,493	2,656	2,606	2,563
<b>Abu Dhabi Region</b>	3318	3410	3347	3226
<b>Citizens</b>				
Males	1,725	1,878	1,818	1,741
Females	1,483	1,582	1,603	1,517
<b>Non- Citizens</b>				
Males	1,593	1,532	1,529	1,485
Females	1,835	1,828	1,744	1,709
<b>Al Ain Region</b>	2021	2253	2250	2224
<b>Citizens</b>				
Males	1,453	1,594	1,614	1,578
Females	1,412	1,463	1,441	1,430
<b>Non- Citizens</b>				
Males	568	659	636	646
Females	609	790	809	794
<b>Al Gharbia</b>	213	248	251	258
<b>Citizens</b>				
Males	175	215	210	202
Females	164	210	198	198
<b>Non- Citizens</b>				
Males	38	33	41	56
Females	49	38	53	60

Source: Department of the Judiciary - Abu Dhabi

### 3.3.2. Singulate Mean Age at Marriage (SMAM\*) by Citizenship and Gender

Citizenship / Gender	1995	2001	2005	2011
<b>Grand Total</b>				
Males	27.0	27.3	26.7	27.7
Females	24.4	25.2	25.1	26.1
<b>Citizens</b>				
Males	25.3	25.9	26.1	26.7
Females	23.7	24.6	25.2	25.7
<b>Non-Citizens</b>				
Males	27.2	27.5	26.8	27.8
Females	24.5	25.3	25.1	26.3

Source: Statistics Centre - Abu Dhabi

\* Average number of years lived unmarried before first marriage for those who will ultimately marry before age 50

### 3.3.3. Crude Marriage Rates (Per 1000 Population) by Region, Citizenship and Gender, 2011

Citizenship / Gender	Total	Abu Dhabi	Al Ain	Al Gharbia
<b>Total</b>	<b>2.7</b>	<b>2.5</b>	<b>3.8</b>	<b>1.1</b>
Male Citizen	15.5	14.3	17.5	14.1
Female Citizen	14.8	13.3	16.2	19.3
Male Non-Citizen	1.7	1.9	2.2	0.3
Female Non-Citizen	6.3	6.1	7.0	4.0

Source: Statistics Centre - Abu Dhabi

### 3.3.4. General Marriage Rates (Per 1000 Population aged 15 years and above) by Region, Citizenship and Gender, 2011

Citizenship / Gender	Total	Abu Dhabi	Al Ain	Al Gharbia
<b>Total</b>	<b>3.3</b>	<b>3.0</b>	<b>4.8</b>	<b>1.2</b>
Male Citizen	25.2	23.1	29.2	19.9
Female Citizen	23.9	21.3	26.5	31.8
Male Non-Citizen	1.9	2.1	2.4	0.3
Female Non-Citizen	8.2	8.0	9.0	5.7

Source: Statistics Centre - Abu Dhabi

### 3.3.5. Registered Divorces by Region, Citizenship and Gender

Region, Citizenship and Gender	2005	2009	2010	2011
<b>Abu Dhabi Emirate</b>	1,804	1,779	1,769	1,803
<b>Citizens</b>				
Males	1,177	1,097	1,091	1,136
Females	839	884	820	897
<b>Non- Citizens</b>				
Males	627	682	678	667
Females	965	895	949	906
<b>Abu Dhabi Region</b>	1177	1156	1201	1170
<b>Citizens</b>				
Males	713	677	707	684
Females	473	537	529	538
<b>Non- Citizens</b>				
Males	464	479	494	486
Females	704	619	672	632
<b>Al Ain Region</b>	571	554	512	583
<b>Citizens</b>				
Males	421	373	346	419
Females	331	304	256	327
<b>Non- Citizens</b>				
Males	150	181	166	164
Females	240	250	256	256
<b>Al Gharbia</b>	56	69	56	50
<b>Citizens</b>				
Males	43	47	38	33
Females	35	43	35	32
<b>Non- Citizens</b>				
Males	13	22	18	17
Females	21	26	21	18

Source: Department of the Judiciary - Abu Dhabi

### 3.3.6. Crude Divorce Rates (Per 1000 Population) by Region, Citizenship and Gender, 2011

Citizenship / Gender	Total	Abu Dhabi	Al Ain	Al Gharbia
<b>Total</b>	<b>0.9</b>	<b>0.9</b>	<b>1.0</b>	<b>0.2</b>
Male Citizen	5.0	5.6	4.6	2.3
Female Citizen	4.2	4.7	3.7	3.1
Male Non-Citizen	0.5	0.6	0.6	0.1
Female Non-Citizen	2.2	2.3	2.2	1.2

Source: Statistics Centre - Abu Dhabi

### 3.3.7. General Divorce Rates (Per 1000 Population aged 15 years and above) by Region, Citizenship and Gender, 2011

Citizenship / Gender	Total	Abu Dhabi	Al Ain	Al Gharbia
<b>Total</b>	<b>1.0</b>	<b>1.1</b>	<b>1.3</b>	<b>0.2</b>
Male Citizen	8.1	9.1	7.7	3.3
Female Citizen	6.8	7.5	6.1	5.1
Male Non-Citizen	0.6	0.7	0.6	0.1
Female Non-Citizen	2.9	3.0	2.9	1.7

Source: Statistics Centre - Abu Dhabi



## 4. Social Statistics

- . Education
- . Health
- . Social Welfare
- . Culture and Heritage

## 04. Social

This section reports statistics on a wide variety of areas broadly defined as social statistics, such as Health, Education and Criminal Justice. These statistics are important because they comprise composite measures of quality of life and therefore are indicators of the standard of living. There is a clear focus on to improving the lives of citizens of Abu Dhabi by investing heavily in infrastructure and social development programs.

For example, significant increases in the number of students enrolled in schools and universities have accompanied building new schools to meet the increased demand. In addition, the number of health services has increased dramatically and so too the workforce who staff them. A renewed focus on comprehensive financing of health services has resulted in insurance coverage reaching levels comparable to developed countries. Moreover, generous social welfare provisions are available to all citizens in need of these services.

### Key Indicators

#### Education

Government Schools	299
Private Schools	181
Students in Government Schools	125,949
Students in Private Schools	180,548
Pupils per Teacher	13.8
Pupils per Classroom	22.7
Universities	9
Illiterate population (10 years and over) (%)	7.5%

#### Health

Physians per 1000 population	2.3
Nurses per 1000 population	5.0
Hospitals	35
Health centres	494
Clinics	265
Pharmacies	427

#### Social Welfare

Social Aid Beneficiaries	25,373
Value of Social Aid Granted (000 AED)	665,490

#### Culture and Heritage

Visitors of Public Parks, Al Ain Museum and Al Ain Zoo ('000)	1,265
Books Available at National Library	393,587

2011



# 4.1. Education

The Abu Dhabi government is committed to the ongoing development of the nation. Education services are essential to achieving the aspirations of the Emirate and the government provides schools with all teachers and administrative staff to nurture the development of future generations and to contribute to the Emirate's progress.

This chapter provides detailed statistics on education for the academic year 2010/2011, in which the number of schools in the Emirate was 480 (299 government schools and 181 private), comprising 13,528 classrooms, 306,497 pupils, 22,218 teachers and 8,055 administrators. The number of pupils per teacher was 13.8 and the number of pupils per classroom was 22.7.

The 2010/2011 number of pupils enrolled in all educational stages up to the secondary level was 306,497, of whom 150,013 were females and 156,484 males (a 0.96 female/male ratio).

The female/male ratio in the secondary stage is 116.5 for government and 85.7 for private education, and 101.9 for the overall government and private school combined ratio. These ratios show that greater numbers of males than females attend private schools while the reverse is true for government schools.

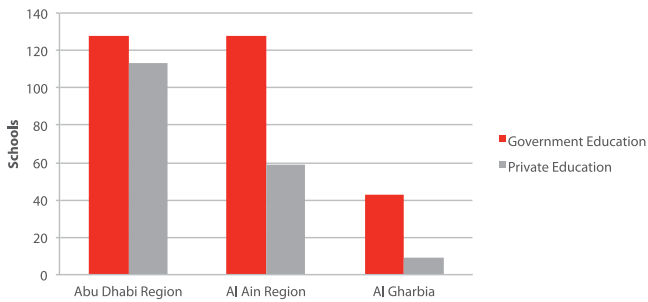
The gross enrolment ratio for the first education cycle<sup>1</sup> was 105.2, and 102.3 for cycle 2. The estimated illiteracy rate for those aged 10 years and older amongst males, females and overall was 7.4, 7.6 and 7.5 respectively.

There were 9 universities and 22 other institutions of higher education in Abu Dhabi for 2010/2011.

<b>4.1.1. Key Education Statistics, 2011</b>	
<b>Government Education:</b>	
Schools	299
Classrooms	5,618
Pupils	125,949
Teachers	11,384
Administrators	2,201
<b>Private Education:</b>	
Schools	181
Classes	7,910
Pupils	180,548
Teachers	10,834
Administrators	5,854
<b>Total Education:</b>	
Pupils per teacher	13.8
Pupils per classroom	22.7
Universities	9
Percentage illiterate population (10 years and over)	7.5
Percentage illiterate male population (10 years and over)	7.4
Percentage illiterate female population( 10 years and over)	7.6
Gross Enrollment ratio, first cycle ( 5 years primary education stage)	105.2

2011

Figure 4.4.1. Number of Schools by Region and Sector, 2010/2011



Source: Statistics Centre - Abu Dhabi, Abu Dhabi Education Council

4.1.1. Government and Private Schools by Educational Stages, 2010/2011

Stage	Government	Private	Total
Total	299	181	480
Kindergarten	46	7	53
Cycle1	90	0	90
Cycle2	54	0	54
Secondary	46	0	46
Multi-Stage	63	174	237

Source: Abu Dhabi Education Council

4.1.2. Higher Education Institutions by Type and Sector, 2010/2011

Type	Government	Private	Total
Total	3	28	31
Universities	3	6	9
Colleges	0	15	15
Institutes	0	7	7

Source: Ministry of Higher Education and Scientific Research

#### 4.1.3. Government and Private classrooms by Educational Stages, 2010/2011

Stage	Government	Private	Total
<b>Total</b>	<b>5,618</b>	<b>7,910</b>	<b>13,528</b>
Kindergarten	563	1,516	2,079
Cycle1	2,112	3,325	5,437
Cycle2	1,656	1,917	3,573
Secondary	1,287	1,152	2,439

Source: Abu Dhabi Education Council

#### 4.1.4. Government and Private pupils by Educational Stages, 2010/2011

Stage	Government	Private*	Total
<b>Total</b>	<b>125,949</b>	<b>180,530</b>	<b>306,479</b>
Kindergarten	12,109	35,029	47,138
Cycle1	45,775	81,181	126,956
Cycle2	39,920	42,480	82,400
Secondary	28,145	21,840	49,985

Source: Abu Dhabi Education Council

\* Excluding 18 Pupils in Special Education for whom education stage is not applicable

#### 4.1.5. Schools, Classrooms, Teachers and Administrators in Government and Private Education\*

Item	2005/2006	2008/2009	2009/2010	2010/2011
<b>Total Education</b>				
Schools	495	474	489	480
Classrooms	11,328	11,751	12,038	13,528
Pupils	250,909	275,758	291,512	306,497
Teachers	18,712	20,239	20,372	22,218
Administrators	n.a	5,114	5,299	8,055
<b>Government Education</b>				
Schools	322	301	305	299
Classrooms	5,492	5,285	5,272	5,618
Pupils	127,136	118,066	126,492	125,949
Teachers	10,436	10,518	10,854	11,384
Administrators	n.a	2,102	2,233	2,201
<b>Private Education</b>				
Schools	173	173	184	181
Classrooms	5,836	6,466	6,766	7,910
Pupils	123,773	157,692	165,020	180,548
Teachers	8,276	9,721	9,518	10,834
Administrators	n.a	3,012	3,066	5,854

Source: Abu Dhabi Education Council

\* Table comprises all stages

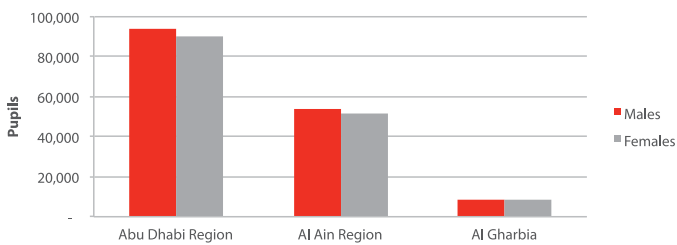
#### 4.1.6. Pupils, Teachers and Administrators by Region and Gender in Government and Private Education, 2010/ 2011 \*

Region and Gender	Pupils	Teachers	Administrators
<b>Total</b>			
<b>Abu Dhabi Emirate</b>	<b>306,497</b>	<b>22,218</b>	<b>8,055</b>
Males	156,484	6,603	3,395
Females	150,013	15,615	4,660
<b>Abu Dhabi</b>	<b>184,165</b>	<b>12,268</b>	<b>4,497</b>
Males	93,768	3,230	1,945
Females	90,397	9,038	2,552
<b>Al Ain</b>	<b>105,358</b>	<b>8,341</b>	<b>3,206</b>
Males	54,100	2,795	1,290
Females	51,258	5,546	1,916
<b>Al Gharbia</b>	<b>16,974</b>	<b>1,609</b>	<b>352</b>
Males	8,616	578	160
Females	8,358	1,031	192
<b>Government Education</b>			
<b>Abu Dhabi Emirate</b>	<b>125,949</b>	<b>11,384</b>	<b>2,201</b>
Males	60,114	4,354	746
Females	65,835	7,030	1,455
<b>Abu Dhabi</b>	<b>62,474</b>	<b>5,050</b>	<b>934</b>
Males	30,143	1,856	305
Females	32,331	3,194	629
<b>Al Ain</b>	<b>51,746</b>	<b>5,040</b>	<b>1,056</b>
Males	24,181	1,980	352
Females	27,565	3,060	704
<b>Al Gharbia</b>	<b>11,729</b>	<b>1,294</b>	<b>211</b>
Males	5,790	518	89
Females	5,939	776	122
<b>Private Education</b>			
<b>Abu Dhabi Emirate</b>	<b>180,548</b>	<b>10,834</b>	<b>5,854</b>
Males	96,370	2,249	2,649
Females	84,178	8,585	3,205
<b>Abu Dhabi</b>	<b>121,691</b>	<b>7,218</b>	<b>3,563</b>
Males	63,625	1,374	1,640
Females	58,066	5,844	1,923
<b>Al Ain</b>	<b>53,612</b>	<b>3,301</b>	<b>2,150</b>
Males	29,919	815	938
Females	23,693	2,486	1,212
<b>Al Gharbia</b>	<b>5,245</b>	<b>315</b>	<b>141</b>
Males	2,826	60	71
Females	2,419	255	70

Source: Abu Dhabi Education Council

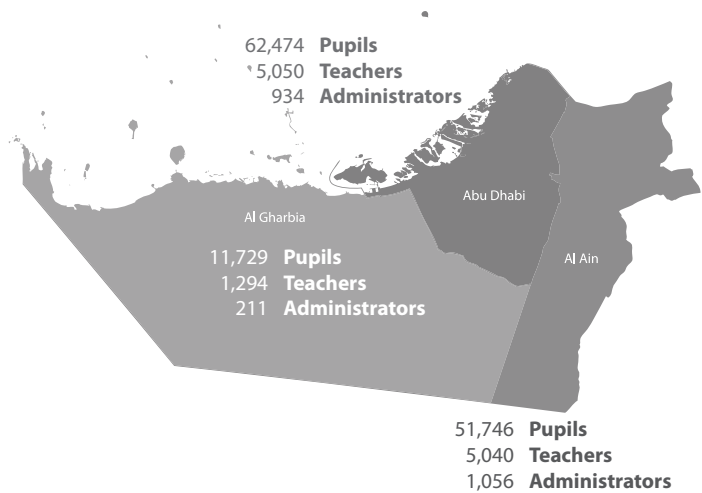
\* Table comprises all stages

**Figure 4.1.2. Pupils by Region and Gender in Government and Private Education 2010/2011**



Source: Abu Dhabi Education Council

**Figure 4.1.3. Pupils, Teachers and Administrators in Government Schools by Region 2010/ 2011**



Source: Statistics Centre - Abu Dhabi, Abu Dhabi Education Council

#### 4.1.7. Pupils in Government and Private Schools by Educational Stage, Gender and Females per 100 Males, 2010/2011

Stage	Males	Females	Total	Females per 100 Males
<b>Grand total</b>	<b>156,469</b>	<b>150,010</b>	<b>306,479</b>	<b>95.9</b>
Kindergarten	24,554	22,584	47,138	92.0
Cycle1	64,923	62,033	126,956	95.5
Cycle2	42,234	40,166	82,400	95.1
Secondary	24,758	25,227	49,985	101.9
<b>Government Education</b>	<b>60114</b>	<b>65835</b>	<b>125949</b>	<b>109.5</b>
Kindergarten	5,949	6,160	12,109	103.5
Cycle1	21,842	23,933	45,775	109.6
Cycle2	19,326	20,594	39,920	106.6
Secondary	12,997	15,148	28,145	116.5
<b>Private Education*</b>	<b>96355</b>	<b>84175</b>	<b>180530</b>	<b>87.4</b>
Kindergarten	18,605	16,424	35,029	88.3
Cycle1	43,081	38,100	81,181	88.4
Cycle2	22,908	19,572	42,480	85.4
Secondary	11,761	10,079	21,840	85.7

Source: Statistics Centre - Abu Dhabi, Abu Dhabi Education Council

\* Excluding 18 Pupils in Special Education for whom education stage is not appropriate

#### 4.1.8. Percentage of Pupils in Government Schools by Region, Citizenship, Gender and Education Stage, 2010/2011

Region, Stage and Citizenship	Cycle 1	Cycle 2	Secondary	Total
<b>Abu Dhabi Emirate</b>				
<b>Grand Total</b>	<b>36.1</b>	<b>48.4</b>	<b>56.3</b>	<b>43.9</b>
Males	33.6	45.8	52.5	41.1
Females	38.6	51.3	60.0	46.8
<b>Citizens</b>	<b>64.5</b>	<b>78.4</b>	<b>78.1</b>	<b>71.8</b>
Males	60.5	74.1	71.6	67.1
Females	68.6	82.8	84.0	76.4
<b>Non-Citizens</b>	<b>15.1</b>	<b>23.9</b>	<b>38.1</b>	<b>22.1</b>
Males	14.2	23.0	37.9	21.4
Females	16.0	24.8	38.4	22.9
<b>Abu Dhabi Region</b>				
<b>Total</b>	<b>29.0</b>	<b>40.6</b>	<b>49.2</b>	<b>36.5</b>
Males	27.2	39.3	46.4	34.6
Females	30.9	42.0	52.0	38.5
<b>Citizens</b>	<b>59.8</b>	<b>73.0</b>	<b>74.9</b>	<b>67.1</b>
Males	56.6	70.4	69.2	63.5
Females	63.1	75.7	79.9	70.6
<b>Non-Citizens</b>	<b>10.3</b>	<b>18.8</b>	<b>32.2</b>	<b>17.0</b>
Males	9.5	18.5	32.6	16.6
Females	11.1	19.0	31.9	17.4
<b>Al Ain Region</b>				
<b>Total</b>	<b>44.3</b>	<b>56.9</b>	<b>62.7</b>	<b>52.0</b>
Males	40.6	51.7	56.8	47.3
Females	48.2	62.6	68.6	56.9
<b>Citizens</b>	<b>67.3</b>	<b>82.5</b>	<b>79.3</b>	<b>74.7</b>
Males	62.0	75.6	70.8	68.2
Females	72.7	89.7	87.0	81.2
<b>Non-Citizens</b>	<b>20.6</b>	<b>28.0</b>	<b>42.8</b>	<b>27.1</b>
Males	19.3	25.9	41.5	25.6
Females	22.0	30.3	44.2	28.8
<b>Al Gharbia</b>				
<b>Total</b>	<b>61.3</b>	<b>78.2</b>	<b>90.6</b>	<b>72.2</b>
Males	59.6	76.8	91.1	70.7
Females	63.1	79.6	90.1	73.7
<b>Citizens</b>	<b>90.8</b>	<b>98.8</b>	<b>99.7</b>	<b>95.2</b>
Males	89.1	97.9	99.7	94.1
Females	92.5	99.7	99.7	96.4
<b>Non-Citizens</b>	<b>41.0</b>	<b>61.1</b>	<b>82.9</b>	<b>54.8</b>
Males	40.2	59.4	83.8	53.4
Females	41.9	62.9	82.2	56.2

Source: Statistics Centre - Abu Dhabi, Abu Dhabi Education Council



#### 4.1.9. Percentage of Pupils in Private Schools by Region, Citizenship, Gender and Education Stage, 2010/2011\*

Region, Stage and Citizenship	Cycle 1	Cycle 2	Secondary	Total
<b>Abu Dhabi Emirate</b>				
<b>Grand Total</b>	<b>63.9</b>	<b>51.6</b>	<b>43.7</b>	<b>56.1</b>
Males	66.4	54.2	47.5	58.9
Females	61.4	48.7	40.0	53.2
<b>Citizens</b>	<b>35.5</b>	<b>21.6</b>	<b>21.9</b>	<b>28.2</b>
Males	39.5	25.9	28.4	32.9
Females	31.4	17.2	16.0	23.6
<b>Non-Citizens</b>	<b>84.9</b>	<b>76.1</b>	<b>61.9</b>	<b>77.9</b>
Males	85.8	77.0	62.1	78.6
Females	84.0	75.2	61.6	77.1
<b>Abu Dhabi Region</b>				
<b>Total</b>	<b>71.0</b>	<b>59.4</b>	<b>50.8</b>	<b>63.5</b>
Males	72.8	60.7	53.6	65.4
Females	69.1	58.0	48.0	61.5
<b>Citizens</b>	<b>40.2</b>	<b>27.0</b>	<b>25.1</b>	<b>32.9</b>
Males	43.4	29.6	30.8	36.5
Females	36.9	24.3	20.1	29.4
<b>Non-Citizens</b>	<b>89.7</b>	<b>81.2</b>	<b>67.8</b>	<b>83.0</b>
Males	90.5	81.5	67.4	83.4
Females	88.9	81.0	68.1	82.6
<b>Al Ain Region</b>				
<b>Total</b>	<b>55.7</b>	<b>43.1</b>	<b>37.3</b>	<b>48.0</b>
Males	59.4	48.3	43.2	52.7
Females	51.8	37.4	31.4	43.1
<b>Citizens</b>	<b>32.7</b>	<b>17.5</b>	<b>20.7</b>	<b>25.3</b>
Males	38.0	24.4	29.2	31.8
Females	27.3	10.3	13.0	18.8
<b>Non-Citizens</b>	<b>79.4</b>	<b>72.0</b>	<b>57.2</b>	<b>72.9</b>
Males	80.7	74.1	58.5	74.4
Females	78.0	69.7	55.8	71.2
<b>Al Gharbia</b>				
<b>Total</b>	<b>38.7</b>	<b>21.8</b>	<b>9.4</b>	<b>27.8</b>
Males	40.4	23.2	8.9	29.3
Females	36.9	20.4	9.9	26.3
<b>Citizens</b>	<b>9.2</b>	<b>1.2</b>	<b>0.3</b>	<b>4.8</b>
Males	10.9	2.1	0.3	5.9
Females	7.5	0.3	0.3	3.6
<b>Non-Citizens</b>	<b>59.0</b>	<b>38.9</b>	<b>17.1</b>	<b>45.2</b>
Males	59.8	40.6	16.2	46.6
Females	58.1	37.1	17.8	43.8

Source: Statistics Centre - Abu Dhabi, Abu Dhabi Education Council

\* Excluding 18 Pupils in Special Education for whom education stage is not appropriate

#### 4.1.10. Ratio of Citizen Pupils to Non-Citizen Pupils by Region in Government and Private Schools, 2005/2006 - 2010/2011

Region and Sector	2005/2006	2008/2009	2009/2010	2010/2011
<b>Abu Dhabi Emirate</b>	<b>87.2</b>	<b>87.4</b>	<b>84.3</b>	<b>79.4</b>
Abu Dhabi Region	67.8	70.0	68.6	64.4
Al Ain Region	129.6	126.2	119.9	113.8
Al Gharbia	100.6	85.5	83.5	78.3
<b>Government Education</b>	<b>265.3</b>	<b>334.2</b>	<b>270.9</b>	<b>275.9</b>
Abu Dhabi Region	254.9	377.5	263.1	277.0
Al Ain Region	310.2	368.8	330.3	326.8
Al Gharbia	164.9	144.0	147.5	143.6
<b>Private Education</b>	<b>24.7</b>	<b>31.5</b>	<b>33.0</b>	<b>31.5</b>
Abu Dhabi Region	23.7	27.1	29.7	27.5
Al Ain Region	29.6	45.1	44.1	44.3
Al Gharbia	9.9	10.0	10.1	11.5

Source: Statistics Centre - Abu Dhabi, Abu Dhabi Education Council

#### 4.1.11. Special Need Students in Government Education by Region and Disabilities Type, 2010/2011

Disabilities Type	Abu Dhabi Region	Al Ain Region	Al Gharbia
<b>Total Emirate</b>	<b>2,305</b>	<b>1,138</b>	<b>143</b>
Students with learning disabilities	1,677	814	100
Visually impaired students	57	61	11
Students with hearing disabilities	141	54	10
Students of speech and language disorders	350	131	12
Students with physical disability or health problems	48	52	3
Students with hyperactivity	6	4	4
Autistic students	14	5	-
Intellectual disability and mental impairment	12	17	3

Source: Abu Dhabi Education Council

#### 4.1.12. Teachers by Education Stage and Gender in Government Education, 2010/2011

Stage	Males	Females	Total
<b>Total</b>	<b>4,354</b>	<b>7,030</b>	<b>11,384</b>
Kindergarten	0	982	982
Cycle 1	1,044	2,371	3,415
Cycle 2	1,151	1,091	2,242
Secondary	989	1,205	2,194
Multi-Stage	1,170	1,381	2,551

Source: Abu Dhabi Education Council

\*Number of Teachers in Private Education by Education Stages and Gender is not available

#### 4.1.13. Teaching Staff of Government Schools by Region, Citizenship, Gender and Education Stage, 2010/2011 \*

Region, Stage,Citizenship and Gender	Cycle 1	Cycle 2	Secondary	Total
<b>Abu Dhabi Emirate</b>				
<b>Grand Total</b>	<b>3415</b>	<b>2242</b>	<b>2194</b>	<b>7851</b>
Males	1044	1151	989	3184
Females	2371	1091	1205	4667
<b>Citizens</b>	<b>1468</b>	<b>946</b>	<b>694</b>	<b>3108</b>
Males	101	193	85	379
Females	1367	753	609	2729
<b>Non-Citizens</b>	<b>1947</b>	<b>1296</b>	<b>1500</b>	<b>4743</b>
Males	943	958	904	2805
Females	1004	338	596	1938
<b>Abu Dhabi Region</b>				
<b>Total</b>	<b>1614</b>	<b>1228</b>	<b>1214</b>	<b>4056</b>
Males	512	591	522	1625
Females	1102	637	692	2431
<b>Citizens</b>	<b>656</b>	<b>510</b>	<b>362</b>	<b>1528</b>
Males	53	111	56	220
Females	603	399	306	1308
<b>Non-Citizens</b>	<b>958</b>	<b>718</b>	<b>852</b>	<b>2528</b>
Males	459	480	466	1405
Females	499	238	386	1123
<b>Al Ain Region</b>				
<b>Total</b>	<b>1425</b>	<b>924</b>	<b>867</b>	<b>3216</b>
Males	420	541	439	1400
Females	1005	383	428	1816
<b>Citizens</b>	<b>713</b>	<b>415</b>	<b>326</b>	<b>1454</b>
Males	47	82	29	158
Females	666	333	297	1296
<b>Non-Citizens</b>	<b>712</b>	<b>509</b>	<b>541</b>	<b>1762</b>
Males	373	459	410	1242
Females	339	50	131	520
<b>Al Gharbia</b>				
<b>Total</b>	<b>376</b>	<b>90</b>	<b>113</b>	<b>579</b>
Males	112	19	28	159
Females	264	71	85	420
<b>Citizens</b>	<b>99</b>	<b>21</b>	<b>6</b>	<b>126</b>
Males	1	0	0	1
Females	98	21	6	125
<b>Non-Citizens</b>	<b>277</b>	<b>69</b>	<b>107</b>	<b>453</b>
Males	111	19	28	158
Females	166	50	79	295

Source: Abu Dhabi Education Council

\*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, 2010/2011

Region and Citizenship	Males	Females	Total
<b>Abu Dhabi Emirate</b>	<b>2,248</b>	<b>8,585</b>	<b>10,834</b>
Citizens	0	37	38
Non-Citizens	2,248	8,548	10,796
<b>Abu Dhabi Region</b>	<b>1,373</b>	<b>5,844</b>	<b>7,218</b>
Citizens	0	15	16
Non-Citizens	1,373	5,829	7,202
<b>Al Ain Region</b>	<b>815</b>	<b>2,486</b>	<b>3,301</b>
Citizens	0	22	22
Non-Citizens	815	2,464	3,279
<b>Al Gharbia</b>	<b>60</b>	<b>255</b>	<b>315</b>
Citizens	0	0	0
Non-Citizens	60	255	315

Source: Abu Dhabi Education Council

\*Number of Teachers in Private Education by Education Stages is not available

#### 4.1.15. Number of Pupils per Teacher by Region, Educational Stage and Gender in Government Education, 2010/2011

Region and Stage	Males	Females	Both Genders
<b>Abu Dhabi Emirate</b>	-	-	<b>11.0</b>
Cycle1	-	-	12.0
Cycle2	12.3	12.9	12.6
Secondary	10.3	9.9	10.1
Multi-Stage	8.8	9.4	9.1
<b>Abu Dhabi Region</b>	-	-	<b>12.4</b>
Cycle1	-	-	13.2
Cycle2	13.9	13.2	13.5
Secondary	11.5	10.5	11.0
Multi-Stage	11.0	10.5	10.8
<b>Al Ain Region</b>	-	-	<b>10.2</b>
Cycle1	-	-	11.2
Cycle2	10.7	12.5	11.4
Secondary	9.0	9.3	9.1
Multi-Stage	8.2	9.7	9.1
<b>Al Gharbia</b>	-	-	<b>8.8</b>
Cycle1	-	-	10.1
Cycle2	7.5	12.1	11.1
Secondary	7.5	8.5	8.2
Multi-Stage	8.3	7.4	7.9

Source: Statistics Centre - Abu Dhabi, Abu Dhabi Education Council

\* In KG and cycle 1, there are mixed class with female, so we cannot calculate pupils per teacher by gender

**4.1.16. Number of Pupils per Classroom and Number of Teachers per Classroom by Region, Educational Stage and Gender in Government Education, 2010/2011**

Region and Gender	Cycle 1	Cycle 2	Secondary	Total
<b>Abu Dhabi Emirate</b>				
Pupils/Classroom	21.7	24.1	21.9	22.5
Males	20.8	23.6	21.0	21.8
Females	22.5	24.6	22.6	23.2
Teachers/Classroom	1.6	1.4	1.7	1.6
Males	1.0	1.4	1.6	1.3
Females	2.2	1.3	1.8	1.8
<b>Abu Dhabi Region</b>				
Pupils/Classroom	22.9	26.0	24.8	24.4
Males	22.4	26.2	24.7	24.2
Females	23.4	25.7	24.9	24.6
Teachers/Classroom	1.7	1.6	2.1	1.7
Males	1.1	1.6	1.9	1.4
Females	2.2	1.6	2.2	2.0
<b>Al Ain Region</b>				
Pupils/Classroom	21.3	23.0	20.5	21.7
Males	20.0	21.8	19.0	20.3
Females	22.6	24.2	21.9	23.0
Teachers/Classroom	1.6	1.3	1.6	1.5
Males	0.9	1.5	1.6	1.3
Females	2.2	1.1	1.5	1.7
<b>Al Gharbia</b>				
Pupils/Classroom	18.0	20.5	15.7	18.2
Males	17.6	19.9	15.3	17.7
Females	18.5	21.3	16.2	18.7
Teachers/Classroom	1.5	0.5	0.7	1.0
Males	0.9	0.2	0.4	0.5
Females	2.2	0.8	1.1	1.5

Source: Statistics Centre - Abu Dhabi, Abu Dhabi Education Council

\*Number of teachers does not available in Multi-Stage schools

#### 4.1.17. Pupils per Classroom by Region and Education Stage in Private Education\*, 2010/2011

Region	Cycle 1	Cycle 2	Secondary	Total
Abu Dhabi Emirate	24.4	22.2	19.0	22.8
Abu Dhabi Region	25.2	23.6	21.3	24.0
Al Ain Region	23.1	19.6	15.4	20.5
Al Gharbia	22.0	19.2	13.6	20.5

Source: Statistics Centre - Abu Dhabi, Abu Dhabi Education Council

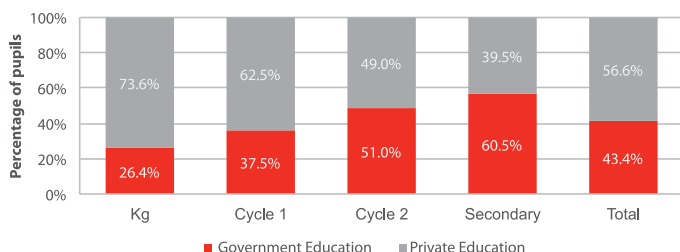
\* Excluding 18 Pupils in Special Education

#### 4.1.18. Pupils per Teacher and Number of Teachers per Classroom by Region in Private Education, 2010/2011

Region	Pupils per Teacher	Teachers per Classroom
Abu Dhabi Emirate	16.7	1.4
Abu Dhabi Region	16.9	1.4
Al Ain Region	16.2	1.3
Al Gharbia	16.7	1.3

Source: Statistics Centre - Abu Dhabi, Abu Dhabi Education Council

**Figure 4.1.4. Percentage Distribution of pupils by Sector & Stage , 2010/2011**



Source: Statistics Centre - Abu Dhabi/ Abu Dhabi Education Council

\* Excluding 18 Pupils in Special Education



## Educational Enrollment Ratios

The gross enrolment ratio is defined as the number of pupils (regardless of age) enrolled in an education stage divided by the number of population in the stages official age group, multiplied by 100. In 2010/2011 the gross enrolment rate for Cycle 1 was 103.9 for males, 106.7 for females, and 105.2 overall.

### 4.1.19. Gross Enrollment Ratio by Gender and Educational Stage, 2010/2011

Stage	Males	Females	Both Genders
Kindergarten	87.8	86.8	87.3
Class1	108.9	112.7	110.7
Cycle1	103.9	106.7	105.2
Cycle2	100.8	103.9	102.3
Secondary	84.2	92.1	88.0

Source: Statistics Centre - Abu Dhabi

### 4.1.20. Net Enrollment Ratio by Gender and Educational Stage, 2008/2009

Stage	Males	Females	Both Genders
Kindergarten	57.2	55.5	56.3
Cycle1	83.0	80.5	81.8
Cycle2	71.0	69.4	70.2
Secondary	60.3	62.2	61.3

Source: Statistics Centre - Abu Dhabi

### 4.1.21. Ratio of Pupils Enrolled in Private Education to All Pupils by Region

Region	2005/ 2006	2008/ 2009	2009/ 2010	2010/ 2011
Total Emirate	49.3	57.2	56.6	58.9
Abu Dhabi Region	59.7	65.6	64.1	66.1
Al Ain Region	36.3	48.0	48.2	50.9
Al Gharbia	22.7	25.9	28.0	30.9

Source: Statistics Centre - Abu Dhabi

# Progression and Dropout

In 2007/2008 the dropout rate in all grades of the first cycle of government education was 0.7%, and the corresponding rate for males and females was 1.0% and 0.4% respectively. The dropout rate increases with education stage, with 0.7% dropping out in the first education cycle, increasing to 1.3% for the second education cycle, and finally increasing to 4.1% for the secondary education stage.

The gradual increase in the rate of dropout holds true for both citizens and non-citizens alike, as well as in all three main regions of the Abu Dhabi Emirate.

In 2010/2011 the number at pupils who progressed from primary to secondary school for males, females and overall was 9,231, 9,156 and 18,387 respectively. The statistics show that while more females (101.3%) progress than males (97.2%), overall the 18,387 students progressing in 2010/2011 was marginally lower than those from the previous year, 18,538, reducing by 0.81%.

## 4.1.22. Ratio of Progression to Secondary School by Gender

Stage	Males	Females	Both Genders
Class 10 (2010/2011)	9231	9156	18387
Class 10 (2009/2010)	9501	9037	18538
% *	97.2	101.3	99.2

Source: Abu Dhabi Education Council, Statistics Center- Abu Dhabi

\* Ratio of progression > 100 due to migration, repetition

#### 4.1.23. Drop out Rate by Region, Educational Stage, Citizenship and Gender in Government Schools, 2007/2008

Region, Stage and Citizenship	Males	Females	Both Genders
<b>Total</b>	2.4	1.1	1.8
Cycle 1	1.0	0.4	0.7
Cycle 2	1.9	0.6	1.3
Secondary	5.5	2.8	4.1
<b>Abu Dhabi Region</b>	<b>1.9</b>	<b>1.0</b>	<b>1.4</b>
Cycle 1	1.0	0.3	0.6
Cycle 2	1.0	0.4	0.7
Secondary	4.5	2.8	3.6
<b>Al Ain Region</b>	<b>3.0</b>	<b>1.2</b>	<b>2.1</b>
Cycle 1	0.9	0.4	0.7
Cycle 2	2.8	0.8	1.8
Secondary	7.1	2.9	4.8
<b>Al Gharbia</b>	<b>2.7</b>	<b>1.2</b>	<b>1.9</b>
Cycle 1	1.3	1.0	1.2
Cycle 2	3.0	0.4	1.7
Secondary	4.5	2.7	3.6
<b>Citizens</b>			
<b>Total</b>	<b>2.5</b>	<b>1.0</b>	<b>1.7</b>
Cycle 1	0.9	0.3	0.6
Cycle 2	2.0	0.6	1.3
Secondary	6.8	3.0	4.7
<b>Abu Dhabi Region</b>	<b>1.9</b>	<b>1.0</b>	<b>1.5</b>
Cycle 1	1.0	0.3	0.6
Cycle 2	1.0	0.3	0.7
Secondary	5.6	3.3	4.4
<b>Al Ain</b>	<b>3.2</b>	<b>1.1</b>	<b>2.1</b>
Cycle 1	0.9	0.3	0.6
Cycle 2	2.9	0.8	1.9
Secondary	8.5	2.9	5.2
<b>Al Gharbia</b>	<b>2.7</b>	<b>1.0</b>	<b>1.8</b>
Cycle 1	0.8	0.9	0.8
Cycle 2	3.3	0.4	1.9
Secondary	5.3	2.2	3.7
<b>Non-Citizens</b>			
<b>Total</b>	<b>2.3</b>	<b>1.3</b>	<b>1.8</b>
Cycle 1	1.2	0.7	1.0
Cycle 2	1.7	0.6	1.2
Secondary	3.6	2.4	3.0
<b>Abu Dhabi Region</b>	<b>1.8</b>	<b>1.0</b>	<b>1.4</b>
Cycle 1	0.9	0.5	0.7
Cycle 2	0.9	0.6	0.8
Secondary	3.0	1.7	2.4
<b>Al Ain Region</b>	<b>2.6</b>	<b>1.5</b>	<b>2.1</b>
Cycle 1	1.0	0.7	0.9
Cycle 2	2.3	0.8	1.5
Secondary	4.6	3.1	3.8
<b>Al Gharbia</b>	<b>2.7</b>	<b>1.5</b>	<b>2.1</b>
Cycle 1	2.1	1.3	1.7
Cycle 2	2.7	0.3	1.5
Secondary	3.6	3.4	3.5

Source: Statistics Centre - Abu Dhabi

# Adult Education

The number of literacy centres and adult education facilities remained at 37. Home schooling was offered in 77 locations in 2010/2011. A total of 15,242 pupils attended these centres with 10,517 being citizens. Most pupils are attending secondary education (69%), with 21% in Cycle 2 and 10% in Cycle 1. There were 250 teachers including 137 citizens.

## 4.1.24. Literacy Centres and Adult Education by Type, 2009-2010 and 2010-2011

Centers	2009-2010	2010-2011
<b>Total</b>	<b>37</b>	<b>114</b>
Family Development	11	11
Centres	26	26
Home Schooling	-	77

Source: Abu Dhabi Education Council

## 4.1.25. Literacy Centres and Adult Education by Region and Gender, 2009-2010 and 2010-2011

Region and Gender	2009-2010	2010-2011*
<b>Total Emirate</b>	<b>37</b>	<b>114</b>
Male	14	56
Female	23	58
<b>Abu Dhabi Region</b>	<b>14</b>	<b>30</b>
Male	6	16
Female	8	14
<b>Al Ain Region</b>	<b>13</b>	<b>58</b>
Male	4	28
Female	9	30
<b>Al Gharbia</b>	<b>10</b>	<b>26</b>
Male	4	12
Female	6	14

Source: Abu Dhabi Education Council

\* including Home Schooling Centres.

#### 4.1.26. Pupils in Literacy Centres and Adult Education by Region, Stage, Citizenship and Gender, 2010-2011

Region, Stage and Citizenship	Cycle 1	Cycle 2	Secondary	Total
<b>Abu Dhabi Emirate</b>				
<b>Grand Total</b>	<b>1521</b>	<b>3231</b>	<b>10490</b>	<b>15242</b>
Males	251	1931	7005	9187
Females	1270	1300	3485	6055
<b>Citizens</b>	<b>697</b>	<b>2095</b>	<b>7725</b>	<b>10517</b>
Males	89	1282	5353	6724
Females	608	813	2372	3793
<b>Non-Citizens</b>	<b>824</b>	<b>1136</b>	<b>2765</b>	<b>4725</b>
Males	162	649	1652	2463
Females	662	487	1113	2262
<b>Abu Dhabi Region</b>				
<b>Total</b>	<b>720</b>	<b>1354</b>	<b>5030</b>	<b>7104</b>
Males	122	758	3357	4237
Females	598	596	1673	2867
<b>Citizens</b>	<b>266</b>	<b>906</b>	<b>4101</b>	<b>5273</b>
Males	39	561	2826	3426
Females	227	345	1275	1847
<b>Non-Citizens</b>	<b>454</b>	<b>448</b>	<b>929</b>	<b>1831</b>
Males	83	197	531	811
Females	371	251	398	1020
<b>Al Ain Region</b>				
<b>Total</b>	<b>638</b>	<b>1477</b>	<b>4605</b>	<b>6720</b>
Males	88	912	3079	4079
Females	550	565	1526	2641
<b>Citizens</b>	<b>313</b>	<b>901</b>	<b>3033</b>	<b>4247</b>
Males	25	521	2133	2679
Females	288	380	900	1568
<b>Non-Citizens</b>	<b>325</b>	<b>576</b>	<b>1572</b>	<b>2473</b>
Males	63	391	946	1400
Females	262	185	626	1073
<b>Al Gharbia</b>				
<b>Total</b>	<b>163</b>	<b>400</b>	<b>855</b>	<b>1418</b>
Males	41	261	569	871
Females	122	139	286	547
<b>Citizens</b>	<b>118</b>	<b>288</b>	<b>591</b>	<b>997</b>
Males	25	200	394	619
Females	93	88	197	378
<b>Non-Citizens</b>	<b>45</b>	<b>112</b>	<b>264</b>	<b>421</b>
Males	16	61	175	252
Females	29	51	89	169

Source: Abu Dhabi Education Council

#### 4.1.27. Teachers in Literacy Centres and Adult Education by Region, Citizenship and Gender, 2009-2010 and 2010-2011

Region,Citizenship and Gender	2009-2010	2010-2011
<b>Total Emirate</b>	<b>258</b>	<b>250</b>
Citizens	155	137
Males	5	4
Females	150	133
Non-Citizens	103	113
Males	0	16
Females	103	97
<b>Abu Dhabi Region</b>	<b>102</b>	<b>79</b>
Citizens	62	52
Males	4	4
Females	58	48
Non-Citizens	40	27
Males	0	13
Females	40	14
<b>Al Ain Region</b>	<b>72</b>	<b>83</b>
Citizens	55	63
Males	1	0
Females	54	63
Non-Citizens	17	20
Males	0	3
Females	17	17
<b>Al Gharbia</b>	<b>84</b>	<b>88</b>
Citizens	38	22
Males	0	0
Females	38	22
Non-Citizens	46	66
Males	0	0
Females	46	66

Source: Abu Dhabi Education Council

## Educational Attainment

The estimate mid-2010 distribution of the population aged 10 years and older by educational attainment shows that there were 138,478 who identified as illiterate, of whom 101,220 were males and 37,258 were females.

The percentage distribution of illiteracy among males, females and overall was 7.4%, 7.6%, and 7.5% respectively.

The corresponding figure showing the distribution of illiteracy amongst the citizen sub-population for males, females and overall was 3.5%, 8.7%, and 6% respectively.

The percentage of the population aged 10 years and older who attained university or higher certificate among males, females and overall was 13.5%, 16.3%, and 14.2% respectively.

The corresponding figure showing the distribution of citizens aged 10 years and older who attained university or higher certificate among males, females and overall was 11.2%, 10.7% and 11.0% respectively.

### 4.1.28. Percentage Distribution of Higher Education Students\* by Sector, Citizenship and Gender, 2010/2011

Sector and Citizenship	Males	Females	Both Genders
<b>Citizens</b>	<b>73.2</b>	<b>77.0</b>	<b>75.5</b>
Government	83.7	89.0	87.5
Private	65.3	50.2	58.4
<b>Non-Citizens</b>	<b>26.8</b>	<b>23.0</b>	<b>24.5</b>
Government	16.3	11.0	12.5
Private	34.7	49.8	41.6

Sources: Statistics Center - Abu Dhabi, Ministry of Higher Education and Scientific Research, UAE University, Zayed University and Higher College of Technology

\*Excluding 365 students in Zayed University unknown Citizenship

### 4.1.29. Percentage Distribution of Higher Education Graduates by Citizenship, Gender and Sector, 2010/2011

Sector and Citizenship	Males	Females	Both Genders
<b>Citizens</b>	<b>68.0</b>	<b>63.0</b>	<b>64.7</b>
Government	87.5	87.9	86.7
Private	39.1	52.6	29.8
<b>Non-Citizens</b>	<b>32.0</b>	<b>37.0</b>	<b>35.3</b>
Government	12.5	12.1	13.3
Private	60.9	47.4	70.2

Sources: Statistics Center - Abu Dhabi, Ministry of Higher Education and Scientific Research, UAE University, Zayed University and Higher College of Technology

#### 4.1.30. Illiteracy Rate (%) Among Population (10 years and above) by Citizenship and Gender

Citizenship and Gender	2005	2009	2010	2011
<b>Total Emirate</b>	<b>12.6</b>	<b>8.3</b>	<b>7.9</b>	<b>7.5</b>
Males	14.2	9.2	8.7	7.4
Females	9.1	6.6	6.4	7.6
<b>Citizens</b>	<b>8.3</b>	<b>6.3</b>	<b>6.1</b>	<b>6.0</b>
Males	5.0	3.7	3.5	3.5
Females	11.5	9.0	8.8	8.7
<b>Non-Citizens</b>	<b>13.9</b>	<b>8.9</b>	<b>8.4</b>	<b>7.8</b>
Males	16.0	10.2	9.7	8.0
Females	7.9	5.4	5.2	7.0

Source: Statistics Centre - Abu Dhabi

#### 4.1.31. Literacy Rate (%) Among Population (10 years and above) by Citizenship and Gender

Citizenship and Gender	2005	2009	2010	2011
<b>Total Emirate</b>	<b>87.4</b>	<b>91.7</b>	<b>92.1</b>	<b>92.5</b>
Males	85.8	90.8	91.3	92.6
Females	90.9	93.4	93.6	92.4
<b>Citizens</b>	<b>91.7</b>	<b>93.7</b>	<b>93.9</b>	<b>94.0</b>
Males	95.0	96.3	96.5	96.5
Females	88.5	91.0	91.2	91.3
<b>Non-Citizens</b>	<b>86.1</b>	<b>91.1</b>	<b>91.6</b>	<b>92.2</b>
Males	84.0	89.8	90.3	92.0
Females	92.1	94.6	94.8	93.0

Source: Statistics Centre - Abu Dhabi



#### 4.1.32. Illiteracy Rate (%) Among Youth Population ( 15-24 years) by Citizenship and Gender

Citizenship and Gender	2005	2009	2010	2011
<b>Total Emirate</b>	<b>5.8</b>	<b>3.7</b>	<b>3.5</b>	<b>6.4</b>
Males	7.5	4.7	4.5	7.1
Females	3.7	2.5	2.4	4.9
<b>Citizens</b>	<b>0.8</b>	<b>0.5</b>	<b>0.5</b>	<b>0.6</b>
Males	0.6	0.4	0.4	0.6
Females	1.0	0.6	0.6	0.6
<b>Non-Citizens</b>	<b>9.1</b>	<b>5.6</b>	<b>5.3</b>	<b>8.6</b>
Males	11.2	6.8	6.5	9.0
Females	5.8	3.9	3.7	7.6

Source: Statistics Centre - Abu Dhabi

#### 4.1.33. Literacy Rate (%) Among Youth Population ( 15-24 years) by Citizenship and Gender

Citizenship and Gender	2005	2009	2010	2011
<b>Total Emirate</b>	<b>94.2</b>	<b>96.3</b>	<b>96.5</b>	<b>93.6</b>
Males	92.5	95.3	95.5	92.9
Females	96.3	97.5	97.6	95.1
<b>Citizens</b>	<b>99.2</b>	<b>99.5</b>	<b>99.5</b>	<b>99.4</b>
Males	99.4	99.6	99.6	99.4
Females	99.0	99.4	99.4	99.4
<b>Non-Citizens</b>	<b>90.9</b>	<b>94.4</b>	<b>94.7</b>	<b>91.4</b>
Males	88.8	93.2	93.5	91.0
Females	94.2	96.1	96.3	92.4

Source: Statistics Centre - Abu Dhabi

#### 4.1.34. Total Population Estimates ( 10 years and over) by Region, Education Status and Gender, Mid 2011

Region and Educational Status	Males	Females	Total
<b>Abu Dhabi Emirate</b>	<b>1,361,968</b>	<b>493,154</b>	<b>1,855,122</b>
Illiterate	101,220	37,258	138,478
Read and Write	258,576	63,327	321,903
Primary	219,910	69,769	289,679
Preparatory	244,247	75,204	319,451
Secondary	297,266	141,325	438,591
Above Secondary and Below University	57,425	25,667	83,093
University	157,221	72,133	229,354
Higher Diploma	6,111	2,724	8,835
Master	14,443	4,632	19,076
Ph.D.	5,549	1,115	6,664
<b>Abu Dhabi Region</b>	<b>831,665</b>	<b>314,750</b>	<b>1,146,415</b>
Illiterate	62,345	23,526	85,871
Read and Write	159,251	41,089	200,340
Primary	134,058	44,114	178,172
Preparatory	148,456	47,382	195,837
Secondary	180,165	89,086	269,251
Above Secondary and Below University	35,147	16,875	52,022
University	96,273	47,054	143,328
Higher Diploma	3,714	1,773	5,487
Master	8,846	3,111	11,957
Ph.D.	3,410	740	4,150
<b>Al Ain Region</b>	<b>336,400</b>	<b>159,120</b>	<b>495,520</b>
Illiterate	23,916	12,251	36,167
Read and Write	61,124	19,823	80,947
Primary	54,775	22,889	77,663
Preparatory	61,724	24,825	86,549
Secondary	76,167	46,612	122,779
Above Secondary and Below University	14,019	7,834	21,853
University	38,290	22,350	60,640
Higher Diploma	1,545	847	2,392
Master	3,514	1,354	4,868
Ph.D.	1,328	334	1,662
<b>Al Gharbia</b>	<b>193,903</b>	<b>19,284</b>	<b>213,187</b>
Illiterate	14,959	1,480	16,439
Read and Write	38,201	2,415	40,616
Primary	31,077	2,766	33,843
Preparatory	34,067	2,997	37,064
Secondary	40,934	5,628	46,562
Above Secondary and Below University	8,259	959	9,218
University	22,658	2,728	25,386
Higher Diploma	852	103	955
Master	2,083	167	2,251
Ph.D.	812	41	853

Source: Statistics Centre - Abu Dhabi

#### 4.1.35. Citizens Population Estimates ( 10 years and over) by Region, Education Status and Gender, Mid 2011

Region and Educational Status	Males	Females	Total
<b>Abu Dhabi Emirate</b>	<b>164,071</b>	<b>154,105</b>	<b>318,176</b>
Illiterate	5,628	13,423	19,050
Read and Write	14,552	15,067	29,619
Primary	29,262	24,722	53,984
Preparatory	37,869	27,836	65,706
Secondary	52,412	51,994	104,406
Above Secondary and Below University	5,922	4,553	10,476
University	15,653	15,390	31,042
High Diploma	950	608	1,558
Master	1,415	362	1,776
Ph.D.	408	151	559
<b>Abu Dhabi Region</b>	<b>88,401</b>	<b>83,294</b>	<b>171,695</b>
Illiterate	3,032	7,255	10,287
Read and Write	7,841	8,144	15,984
Primary	15,766	13,362	29,129
Preparatory	20,404	15,045	35,449
Secondary	28,240	28,103	56,343
Above Secondary and Below University	3,191	2,461	5,652
University	8,434	8,318	16,752
High Diploma	512	329	841
Master	762	196	958
Ph.D.	220	81	301
<b>Al Ain Region</b>	<b>64,373</b>	<b>63,412</b>	<b>127,785</b>
Illiterate	2,208	5,523	7,731
Read and Write	5,709	6,200	11,909
Primary	11,481	10,173	21,654
Preparatory	14,858	11,454	26,312
Secondary	20,564	21,395	41,959
Above Secondary and Below University	2,324	1,874	4,197
University	6,141	6,333	12,474
Higher Diploma	373	250	623
Master	555	149	704
Ph.D.	160	62	222
<b>Al Gharbia</b>	<b>11,297</b>	<b>7,399</b>	<b>18,696</b>
Illiterate	387	644	1,032
Read and Write	1,002	723	1,725
Primary	2,015	1,187	3,202
Preparatory	2,607	1,336	3,944
Secondary	3,609	2,496	6,105
Above Secondary and Below University	408	219	626
University	1,078	739	1,817
Higher Diploma	65	29	95
Master	97	17	115
Ph.D.	28	7	35

Source: Statistics Centre - Abu Dhabi

#### 4.1.36. Non-Citizens Population Estimates ( 10 years and over) by Region, Education Status and Gender, Mid 2011

Region and Educational Status	Males	Females	Total
<b>Abu Dhabi Emirate</b>	<b>1,197,897</b>	<b>339,049</b>	<b>1,536,946</b>
Illiterate	95,592	23,835	119,427
Read and Write	244,024	48,260	292,284
Primary	190,648	45,046	235,694
Preparatory	206,377	47,368	253,745
Secondary	244,853	89,331	334,185
Above Secondary and Below University	51,503	21,114	72,617
University	141,569	56,743	198,312
Higher Diploma	5,160	2,116	7,277
Master	13,029	4,270	17,299
Ph.D.	5,141	964	6,106
<b>Abu Dhabi Region</b>	<b>743,264</b>	<b>231,456</b>	<b>974,720</b>
Illiterate	59,312	16,271	75,584
Read and Write	151,410	32,945	184,356
Primary	118,292	30,751	149,044
Preparatory	128,052	32,336	160,388
Secondary	151,925	60,983	212,908
Above Secondary and Below University	31,956	14,414	46,370
University	87,840	38,736	126,576
Higher Diploma	3,202	1,445	4,646
Master	8,084	2,915	10,999
Ph.D.	3,190	658	3,848
<b>Al Ain Region</b>	<b>272,027</b>	<b>95,708</b>	<b>367,735</b>
Illiterate	21,708	6,728	28,436
Read and Write	55,415	13,623	69,038
Primary	43,294	12,716	56,010
Preparatory	46,866	13,371	60,237
Secondary	55,603	25,217	80,820
Above Secondary and Below University	11,696	5,960	17,656
University	32,148	16,018	48,166
Higher Diploma	1,172	597	1,769
Master	2,959	1,205	4,164
Ph.D.	1,168	272	1,440
<b>Al Gharbia</b>	<b>182,606</b>	<b>11,885</b>	<b>194,491</b>
Illiterate	14,572	836	15,407
Read and Write	37,199	1,692	38,890
Primary	29,062	1,579	30,641
Preparatory	31,460	1,660	33,120
Secondary	37,325	3,131	40,457
Above Secondary and Below University	7,851	740	8,591
University	21,581	1,989	23,570
Higher Diploma	787	74	861
Master	1,986	150	2,136
Ph.D.	784	34	818

Source: Statistics Centre - Abu Dhabi

## 4.2. Health

Health services in Abu Dhabi have experienced remarkable expansion and transformation over the past 20 years. This is evidenced in a host of ways but is most evident in the significant rise in the number of hospitals and other health facilities over this period, which proves that the Emirate still strives for developed world standards in health care.

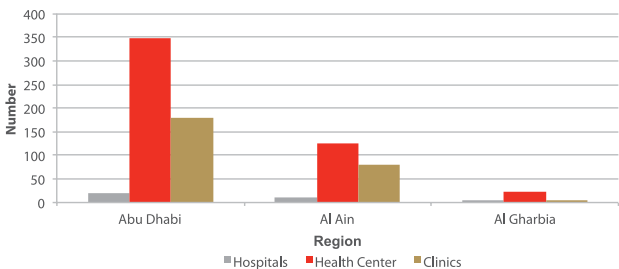
Data for 2011 point to a small decrease in the number of health professionals, with the number of physicians per 1000 population dropping from 2.6 in 2009 to 2.3 in 2011. There are 5 nurses per 1000 population.

Similarly, the number of government hospital beds has declined slightly from 2,582 to 2,415, with a total of 3,659 beds in all government and private hospitals. This translates to 1,335,535 available hospital bed days per year.

A focus on increasing levels of health funding in the Emirate has resulted in proliferation of insurance companies and the health insurance products available. The number of ‘enhanced’ health insurance products purchased in 2010 was 1,044,734 which increased to 1,053,893 in 2011. There has been a steady increase each year since 2008 in ‘enhanced’ health insurance products purchased in Abu Dhabi.

Key Health Statistics		
2011	Physicians per 1000 populations	2.3
	Beds per 1000 populations	1.7
	Nurses per 1000 population	5.0
	Hospitals	35
	Hospital Beds	3,659
	Health centres	494
	Clinics	265
	Pharmacies	427
	Physicians	4,900
	Nurses	10,504

Figure 4.2.1. Hospitals, Health Centres and Clinics by Region, 2011



Source: Statistics Centre - Abu Dhabi, Health Authority - Abu Dhabi

#### 4.2.1. Summary of Government Health Statistics

Details	2008	2009	2010	2011
Hospitals	12	12	12	12
Clinics	51	59	48	n.a
Beds	2596	2,652	2,582	2,415
Patients Admitted	106200	105,100	105,200	84,000
Doctors	2786	1,822	2,026	1,966
Out - Patients	1379800	1,331,900	1,386,700	2,233,400

Source: Health Authority - Abu Dhabi

#### 4.2.2. Hospitals by Region and Sector

Region and Sector	2008	2009	2010	2011
<b>Adu Dhabi Emirate</b>	<b>39</b>	<b>39</b>	<b>33</b>	<b>35</b>
Government	12	12	12	12
Private	25	25	19	21
Military	2	2	2	2
<b>Abu Dhabi Region</b>	<b>24</b>	<b>23</b>	<b>18</b>	<b>19</b>
Government	4	4	4	4
Private	19	18	13	14
Military	1	1	1	1
<b>Al Ain Region</b>	<b>9</b>	<b>10</b>	<b>9</b>	<b>10</b>
Government	3	3	3	3
Private	5	6	5	6
Military	1	1	1	1
<b>Al Gharbia</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>
Government	5	5	5	5
Private	1	1	1	1
Military	0	0	0	0

Source: Health Authority - Abu Dhabi

#### 4.2.3. Hospitals, Health Centres and Clinics by Region

Region	2008	2009	2010	2011
<b>Total</b>				
Hospitals	39	39	*33	35
Health Centres	386	360	435	494
Clinics	196	207	239	265
<b>Abu Dhabi Region</b>				
Hospitals	24	23	18	19
Health Centres	286	260	310	348
Clinics	125	134	168	180
<b>Al Ain Region</b>				
Hospitals	9	10	9	10
Health Centres	95	95	110	124
Clinics	66	68	68	81
<b>Al Gharbia</b>				
Hospitals	6	6	6	6
Health Centres	5	5	15	22
Clinics	5	5	3	4

Source: Health Authority - Abu Dhabi

\* In 2010 day surgery hospitals were re-classified as health centres in accordance with the applicable Health Facilities Licensing Criteria. In addition, one new hospital was granted a license to operate.

#### 4.2.4. Death Rate (Per 100,000 Population) by Causes of Death, 2011

Causes of Death	Rate
Diseases of the Circulatory System	51.35
External Causes of Morbidity and Mortality	22.68
Neoplasms	21.74
Diseases of the respiratory System	5.85
Symptoms, signs and abnormal clinical and laboratory findings not elsewhere classified	5.52
Injury, Poisoning and certain other consequences of external causes	4.76
Endocrine, Nutritional and Metabolic diseases	4.62
Certain conditions originating in the prenatal period	4.10
Certain Infectious and Parasitic Diseases	3.82
Congenital Malformations, Deformations and Chromosomal	3.40
Diseases of the digestive system	2.92
Diseases of the genitourinary system	1.98
Diseases of the nervous system	1.70
Diseases of the blood and blood - forming organs and certain disorders involving the immune mechanism	0.80
Diseases of the musculoskeletal system and connective tissues	0.66
Diseases of the skin and subcutaneous tissues	0.09
Pregnancy, childbirth and the puerperium	0.09
Diseases of the ear and mastoid process	0.05
Diseases of the eye and adnexa	0.05
Mental and behavioral disorders	0.05
NA	0.66

Source: Statistics Centre - Abu Dhabi, Health Authority - Abu Dhabi



#### 4.2.5. Clinicians per 100,000 population by Region

Region	2008	2009	2010	2011
<b>Abu Dhabi Emirate</b>				
Physicians	312	237	242	231
Nurses	406	446	418	495
Dentists	49	45	45	41
<b>Abu Dhabi Region</b>				
Physicians	-	294	258	242
Nurses	-	498	433	532
Dentists	-	57	50	44
<b>Al Ain Region</b>				
Physicians	-	222	251	249
Nurses	-	515	449	518
Dentists	-	41	45	42
<b>Al Gharbia</b>				
Physicians	-	116	118	118
Nurses	-	260	244	222
Dentists	-	16	13	14

Sources: Health Authority - Abu Dhabi , Statistics Centre - Abu Dhabi

#### 4.2.6. Notifications of Infectious Diseases

Infectious Diseases	2005	2009	2010	2011
<b>Total</b>	<b>12,345</b>	<b>13,355</b>	<b>14,322</b>	<b>20,295</b>
Acute Flaccid Paralysis	6307	7219	7429	11768
Chicken Pox	570	1393	1415	2731
Measles	384	518	711	673
Mumps	191	479	668	580
Rubella	42	495	654	585
Tetanus	111	309	471	667
Whooping Cough	239	192	450	383
Influenza	45	133	335	394
Campylobacter food poisoning	51	65	318	243
Para Typhoid	53	0	248	282
Salmonella food poisoning	117	200	221	194
Salmonella Others	186	181	193	138
Staphylococcus food poisoning	0	79	175	183
Other food poisoning	71	175	105	239
Typhoid Fever	0	0	90	0
Hepatitis A	10	40	73	39
Hepatitis B Cases	335	145	62	99
Hepatitis C Cases	25	27	62	42
V Hepatitis Other	863	36	55	82
Meningococcal Meningitis	28	45	52	75
H Influenza Meningitis	32	52	51	0
Viral Mening	18	34	50	49
Viral Mening Asep	76	0	36	37
Other Bacterial Meningitis	0	12	26	1
Leprosy	23	48	22	42
Malaria	15	30	12	0
Scabies	14	11	11	15
Scarlet Fever	6	10	10	10
Cholera	0	3	1	3
Seasonal Influenza	5	36	1	0
Pulmonary Tuberculosis	0	0	0	0
Extra Pulmonary Tuberculosis	105	205	0	0
Syphilis	0	0	0	0
Other STD	1	0	0	0
Ascariasis	0	0	0	0
Bacillary Dysentery	15	24	0	0
Other bacterial Dysentery	0	33	0	0
Amoebic Dysentery	3	0	0	0
Gonorrhoea	2	0	0	0
Brucellosis	0	951	0	0
Ancylostomiasis	1037	0	0	0
Strep-pneumonia	0	123	0	0
Schistosomiasis	470	0	0	0
Other intestinal parasites	193	0	0	0
Acute Encephalites	6	0	0	0
Giardia Lambia	672	0	0	0
Other	24	52	315	741

Source: Health Authority - Abu Dhabi

#### 4.2.7. Beds and Admissions in Government Hospitals by Region

Region	2008	2009	2010	2011
<b>Abu Dhabi Emirate</b>				
Beds	2596	2,652	2,582	2,610
Patients Admitted	106200	105,100	105,200	84,000
<b>Abu Dhabi Region</b>				
Beds	1492	1,550	1,504	1,511
Patients Admitted	59000	58,700	59,100	45,900
<b>Al Ain Region</b>				
Beds	831	851	824	837
Patients Admitted	39100	38,400	38,900	32,000
<b>Al Gharbia</b>				
Beds	273	251	254	262
Patients Admitted	8100	8,000	7,200	6,100

Source: Health Authority - Abu Dhabi

#### 4.2.8. Immunizations Carried Out by Type

Vaccinations	2008	2009
<b>Total</b>	<b>750,881</b>	<b>588,451</b>
Poliomyelitis	169,418	73,803
Pneumococcal Conjugate	87,429	75,462
Homophiles Influenza Type B	84,049	74,927
Diphtheria	83,271	74,480
Tetanus	83,271	74,480
Pertussis	82,836	74,225
Measles	27,421	18,539
Rubella	27,421	18,539
Meningococcal C - Conjugate	6	19
Mumps	27,421	18,539
Hepatitis A	399	433
Hepatitis - B	26,687	68,846
Bacilla Calmette - Guerin	26,318	12,410
Tetavalent	8,683	0
Rotavirus	769	1,730
Varicella (Chicken pox)	505	573
Influenza	217	360
Others	14,760	1,086

Source: Health Authority - Abu Dhabi

#### 4.2.9. Persons Insured by Health Insurance Companies \*

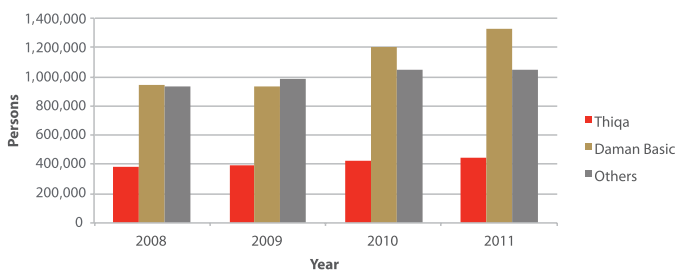
Insurance Company	2008	2009	2010	2011
Thiqa	383,795	394,618	422,239	442,261
Daman Basic	944,344	936,207	1,204,418	1,322,804
<b>Total Enhanced</b>	<b>932,610</b>	<b>981,744</b>	<b>1,044,734</b>	<b>1,053,893</b>
Daman Enhanced	304,649	301,447	299,089	335,593
Abu Dhabi National Insurance Company	97,058	90,190	151,654	151,247
Al Dhafra Insurance Company	14,087	957	12,590	73,549
Oman Insurance Company	155,735	205,690	171,478	70,101
Al Buhaira National Insurance Company	25,083	51,215	49,838	63,263
Al Wathba National Insurance Company	0	41,583	48,038	56,059
Green Crescent Insurance Company	0	21,341	70,881	48,591
Emirate Insurance Company	26,517	15,167	17,721	32,083
Arab Orient Insurance company	24,337	1,524	26,742	29,997
Abu Dhabi Takaful	0	0	1,131	22,988
Axa Insurance- Gulf	3,044	3,537	886	22,449
Al Hilal Tkaful -PSC	0	5,003	11,075	21,723
Methaq Takaful	0	0	17,002	20,523
Al Sagr National Insurance Company	94,758	27,661	0	17,710
Qatar Insurance Company	10,381	9,332	6,305	12,304
Al Khazna Insurance Company	90,229	137,648	78,147	11,167
Ras al Khaimah National Insurance company	8,827	11,368	10,508	9,508
American Life Insurance Company	6,431	1,030	10,384	9,239
Lebanese Insurance Company	1,437	3,596	7,044	6,457
Al Fujairah National Insurance Company	2,112	36	4,099	5,269
Dubai Islamic Insurance & Reinsurance Co (Aman)	916	258	286	4,764
Al Ain Ahlia Insurance Company	4,707	23,857	24,419	4,269
Al ittihad	0	0	0	3,781

United Insurance Company	1,887	3,645	825	3,403
Sharjah Insurance Company	0	0	0	3,299
Saudi Arabian Insurance Company	469	2,445	0	3,057
NoorTakaful	0	47	2,094	1,801
Arabian Insurance Company	49	443	1,076	1,662
Arabian Scandinavian Insurance Company	4,489	1	29	1,332
Union Insurance Company	0	0	0	1,269
PSC	0	0	0	1,216
Royal and Sun alliance Insurance (Middle East)Ltd	9	781	1,381	1,216
National General Insurance Company	792	627	2,798	937
Islamic Arab Insurance Company (Salama)	926	1,726	622	745
Alliance Insurance Company	40,960	881	14,822	588
Dubai Insurance Company	0	2,486	170	383
Tkaful Emarat Insurance	12,721	16,222	1,600	328
Dubai National	0	0	0	23

Source: Health Authority - Abu Dhabi

\* Some numbers may be inflated, as in year cancellations are not excluded, with the exception of Thiqa and Daman Basic all insurers are considered Enhanced

**Figure 4.2.2. Persons Insured by Insurance Companies**



Source: Statistics Centre - Abu Dhabi, Health Authority - Abu Dhabi

## 4.3. Social Welfare

The Abu Dhabi government maintains generous social welfare provisions to citizens in need. This vital safety net supports those experiencing difficult economic conditions and gives them the opportunity to contribute to the economy and social fabric of the Emirate. Abu Dhabi's social welfare policies contribute to the development of the Emirate by strengthening the prosperity of the people.

The value of social assistance provided to UAE citizens residing in Abu Dhabi grew to AED 665,490,333 with 25,373 beneficiaries in 2011. The monthly average was over AED 55,000,000 of social welfare funding distributed to 11,748 cases.

The most frequent type of social welfare assistance provided to women in the Emirate was for divorce, with 2,744 cases, followed by female old age, with 1,986 cases. For men it was for 1126 cases of old age.

The number of nurseries increased from 46 in 2009 to 66 in 2010, with 836 employees looking after 6,225 children.

### 4.3.1. Non-Government Organizations by Activity

Activity	2005	2008	2009	2010
<b>Total</b>	<b>42</b>	<b>46</b>	<b>47</b>	<b>50</b>
Women	4	4	2	2
Professional	7	7	8	8
Popular Art	4	4	4	4
Cultural and Public Services	10	12	13	15
Humanitarian Services	1	2	3	4
Theatres	3	4	4	4
Foreign Associations	13	13	13	13

Source: Ministry of Social Affairs

### 4.3.2. Non Government Organizations (NGO's) and Members (Active and Associate) by Type of Activity, 2010

Type of Activity	Number	Members		
		Active	Associate	Total
<b>Total</b>	<b>50</b>	<b>23,594</b>	<b>3,022</b>	<b>26,616</b>
Women	2	31	0	31
Professional	8	11,522	2,301	13,823
Popular Art	4	1,951	168	2,119
Cultural and Public Services	15	1,090	371	1,461
Humanitarian Services	4	283	126	409
Theatres	4	132	56	188
Foreign Associations	13	8,585	0	8,585

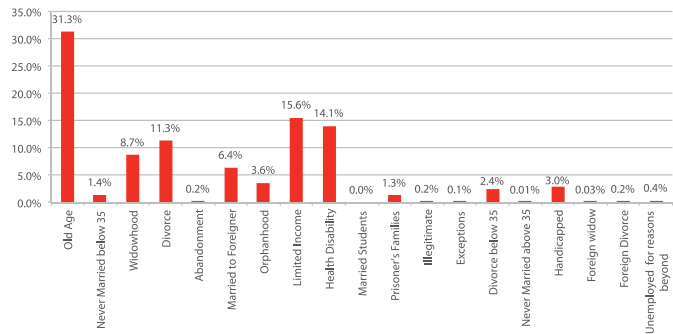
Source: Ministry of Social Affairs

### 4.3.3. Cases and Beneficiaries of Social Aid Offered to Citizens by Gender, 2011

Case Type	Cases		Beneficiaries	
	Males	Females	Males	Females
<b>Total</b>	<b>3,370</b>	<b>8,378</b>	<b>13,610</b>	<b>11,763</b>
Old Age	1,126	1,986	5,358	2,575
Never Married below 35	0	349	0	349
Widowhood	0	718	0	2,206
Divorce	0	2,744	0	2,869
Abandonment	0	19	0	47
Married to Foreigner	0	1,231	0	1,623
Orphanhood	139	220	361	563
Limited Income	859	211	3,683	271
Health Disability	511	162	3,263	304
Married Students	0	0	0	0
Prisoner's Families	37	63	103	222
Illegitimate	8	5	0	47
Exceptions	8	16	8	5
Divorce below 35	0	594	0	616
Never Married above 35	0	2	0	2
Handicapped	664	15	744	15
Foreign widow	0	2	0	8
Foreign Divorce	0	41	0	41
Unemployed for reasons beyond	18	0	90	0

Source: Ministry of Social Affairs, Statistics Centre - Abu Dhabi

**Figure 4.3.1. Distribution of Beneficiaries of Social Aid by Reason of Aid, 2011**



Source: Statistics Centre - Abu Dhabi

**4.3.4. Benefits Paid by Month of Aid, 2011**

Month	Benefits (AED)
Total	665,5
January	54,9
February	55,1
March	55,2
April	55,2
May	55,2
June	55,2
July	54,9
August	55,0
September	54,8
October	56,5
November	56,7
December	56,8

Source: Ministry of Social Affairs



#### 4.3.5. Nurseries , Employees and Children in Nurseries\*

Item	2005	2008	2009	2010
Number of Nurseries	31	42	46	66
Number of employees at Nurseries	282	436	653	836
Number of Children at Nurseries	2275	3620	3970	6225

Source: Ministry of Social Affairs

\* Operating Under the Supervision of the Ministry of Social Affairs

#### 4.3.6. Nurseries , Employees and Children Ratios in Nurseries\*

Item	2005	2008	2009	2010
Children per Nursery	73.4	86.2	86.3	94.3
Children per Employee at Nurseries	8.1	8.3	6.1	7.4
Employees at Nurseries per Nursery	9.1	10.4	14.2	12.7

Source: Statistics Centre - Abu Dhabi

\* Operating Under the Supervision of the Ministry of Social Affairs

#### 4.3.7. Children in Nurseries\* by Citizenship, Gender and Age

Items	2005	2008	2009	2010
<b>Total</b>	2,275	3,620	3,970	6,225
Citizens	481	894	776	1,755
Non-Citizens	1,794	2,726	3,194	4,470
Females	1,172	1,886	1,910	3,262
Males	1,103	1,734	2,060	2,963
Infants	321	336	257	565
Non-Infants	1954	3,284	3713	5660

Source: Ministry of Social Affairs

\* Operating Under the Supervision of the Ministry of Social Affairs

#### 4.3.8. Disabled Students in Government and Private Care Centres by Citizenship and Gender, 2011

Item	Males	Females	Total
<b>Total</b>	<b>1,175</b>	<b>699</b>	<b>1,874</b>
<b>Citizens</b>	<b>748</b>	<b>467</b>	<b>1,215</b>
Al Ain Rehab & Care Center for Special Needs	160	102	262
Special Care Center	0	0	0
Al Ain Private Center for Care & Rehabilitation	45	22	67
Al Najah Private Rehabilitation Center	8	1	9
Future Special Care Center	27	28	55
Abu Dhabi Autism Center	31	5	36
Gulf Autism Center	15	4	19
Al Waeda Center for Children with Special Needs	0	2	2
Al Sela Rehab & Care Center for Special Needs	21	9	30
Gayathi Rehab & Care Center for Special Needs	13	9	22
Al Quaa Rehab	10	12	22
Dalma Rehab & Care Center for Special Needs	2	4	6
Madinat Zayed Rehab & Care Center for Special Needs	10	17	27
Al Noor Training Center for Children with Special Needs	8	4	12
Abu Dhabi rehab and Care Center	303	221	524
Stars for Special Abilities	3	3	6
Zayed Agricultural Center for Rehabilitation & Development	43	0	43
Al Amal Center for Care & Children with Special Needs	3	3	6
Emirates Autism Center	15	8	23
The Handicapped Abilities Development Center	5	1	6
New England Center for Children	23	10	33
Hamad Center	2	0	2
Ability Center for Special Needs	1	2	3
<b>Non-Citizens</b>	<b>427</b>	<b>232</b>	<b>659</b>
Al Ain Rehab & Care Center for Special Needs	19	9	28
Special Care Center	37	23	60
Al Ain Private Center for Care & Rehabilitation	56	20	76
Al Najah Private Rehabilitation Center	21	17	38
Future Special Care Center	64	41	105
Abu Dhabi Autism Center	0	0	0
Gulf Autism Center	12	4	16
Al Waeda Center for Children with Special Needs	27	9	36
Al Sela Rehab & Care Center for Special Needs	3	1	4
Gayathi Rehab & Care Center for Special Needs	3	2	5
Al Quaa Rehab	6	4	10
Dalma Rehab & Care Center for Special Needs	0	1	1
Madinat Zayed Rehab & Care Center for Special Needs	12	6	18
Al Noor Training Center for Children with Special Needs	62	43	105
Abu Dhabi rehab and Care Center	22	19	41
Stars for Special Abilities	8	6	14
Zayed Agricultural Center for Rehabilitation & Development	0	0	0
Al Amal Center for Care & Children with Special Needs	3	4	7
Emirates Autism Center	19	6	25
The Handicapped Abilities Development Center	28	8	36
New England Center for Children	3	0	3
Hamad Center	7	1	8
Ability Center for Special Needs	15	8	23

Source: Ministry of Social Affairs

## 4.5. Culture and Heritage

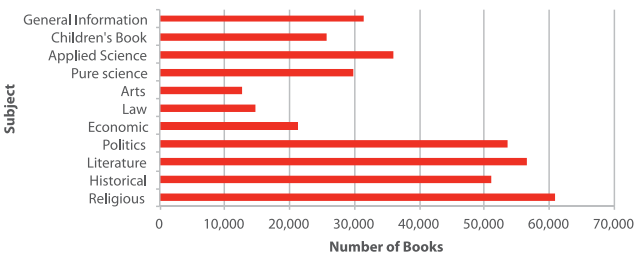
Abu Dhabi contains many important historical sites and in some of these artefacts have been recovered. Given the rich history of the region there is a strong desire to preserve historical sites and objects as part of the cultural heritage of the Emirate.

The total number of cultural lectures organised by the Cultural Foundation has decreased from 62 in 2009 to 54 in 2011, and follows a consistent downward trend since 2005. The number of visitors to the National Library rose from 123,772 in 2008 to 132,859 in 2009, while the number of borrowers increased from 19,600 to 22,332 during the same period. The number of books available at the National Library increased from 343,909 in 2008 to 393,587 in 2011.

There are four museums in Abu Dhabi Emirate including the Al Ain Museum, the Al Jahli Fort Museum, Al Ain Palace Museum and the new Dalma Museum. The number of visitors to the zoo, museums and public parks declined from 3,178,865 in 2009 to 2,682,801 in 2011.

The number of programmes broadcast by Abu Dhabi Radio Station was down from 43 in 2010 to 41 in 2011.

**Figure 4.5.1. Books Available at Citizen Library by Subject, 2011**



Source: Abu Dhabi Authority for Culture and Heritage

### 4.5.1. Cultural Season's Lectures by Subject

Lecture Subject	2005	2009	2010	2011
Total	72	62	58	54
Scientific	26	9	9	8
Religious	10	14	8	7
Arts	6	18	20	15
Politics and Economics	13	12	12	14
Technical	17	9	9	10

Source: Cultural Foundation

#### 4.5.2. Books Available at National Library by Subject

Subject	2005	2009	2010	2011
<b>Total</b>	<b>240,220</b>	<b>366,758</b>	<b>375,923</b>	<b>393,587</b>
Religious	35,500	57,116	58,112	60,911
Historical	34,200	48,350	49,830	51,125
Literature	41,800	52,012	53,814	56,590
Politics	38,000	52,623	52,840	53,490
Economic	9,700	19,600	19,960	21,316
Law	7,800	13,230	13,818	14,703
Arts	7,000	11,712	12,314	12,690
Pure science	17,300	26,400	28,265	29,916
Applied Science	18,000	32,432	33,162	35,906
Children's Book	15,200	23,661	23,890	25,600
General Information	15,720	29,622	29,918	31,340

Source: Abu Dhabi Authority for Culture and Heritage

#### 4.5.3. Visitors and Borrowers at the National Library by Gender \*

Item	2005	2008	2009	2011
Visitors	170,339	123,772	132,859	9,741
Males	91,541	70,960	77,216	n.a
Females	78,798	52,812	55,643	n.a
Borrowers	10,524	19,600	22,332	357
Males	5,682	12,168	14,520	n.a
Females	4,842	7,432	7,812	n.a

Source: Abu Dhabi Authority for Culture and Heritage

\* The Library was closed in 2010 for rehabilitation of the building

#### 4.5.4. Visitors to the Zoo, Museums and Public Parks

	2006	2009	2010	2011
<b>Total</b>	<b>2,628,486</b>	<b>3,178,865</b>	<b>2,716,251</b>	<b>2,682,801</b>
Zoo	619,042	761,715	954,006	917,748
Hili Fun City	235,132	205,942	338,073	318,995
Public Parks	1,664,640	2,075,024	1,295,057	1,318,791
Al Ain Museum	53,110	38,195	38,634	32,987
Al Ain Palace Museum	56,562	82,776	77,119	74,825
Dalma Museum*	*	1,804	1,918	873
Al Jahili Fort Museum**	**	13,409	11,444	18,582

Source: Municipalities of Abu Dhabi city, AL Gharbia , Al Hili Fun City , Al Ain Wildlife Park and Resort and Abu Dhabi Authority for Culture and Heritage

\* Started in 2009

\*\*Started in 2010 if it stored in 2010, how come it has 13409 visitors in 2009?

#### 4.5.5. Printing Press Shops, Book Stores, Publishers, Advertisers and Cinemas by Region, 2009

Item	Total	Abu Dhabi Region	Al Ain Region	Al Gharbia
Printing Press Shop	110	89	21	0
Book Stores	206	128	70	8
Publishers*	180	158	21	1
Newspapers/Magazines	83	70	12	1
Advertisers	328	309	17	2
Cinemas	17	10	7	0

Source: Citizen Media Council

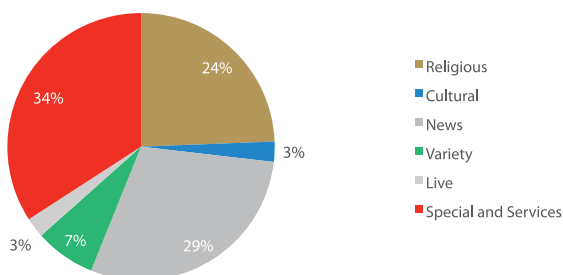
\*Include Publication and Distribution

#### 4.5.6. Programs Broadcasted by Abu Dhabi Radio Stations by Type of Program


Type of Program	2009	2010	2011
<b>Total</b>	<b>44</b>	<b>43</b>	<b>41</b>
Religious	7	5	10
Cultural	2	8	1
News	21	17	12
Variety	10	7	3
Live	1	3	1
Special and Services	3	3	14

Source: Abu Dhabi Media Company

**Figure 4.5.2. Percentage of Programs Broadcasted by Abu Dhabi Radio Stations by Type of Program, 2011**



Source: Statistics Centre - Abu Dhabi



## 5. Labour Force

- Labour Force Structure
- Occupational Structure
- Unemployment
- Employment by Economic Activity

# 05. Labour Force

Due to the ongoing economic growth of Abu Dhabi, the Emirate has seen a significant increase in the labour force. The size of the labour force grew from 297,406 in 1985 to 815,311 in 2005, according to the results of the population censuses taken in those years. In 2011, the labour force was estimated to have been over 1.4 million, of which total figures for all citizens, males and females citizens are 132,000 and 94,500 and 37,500, respectively, while the corresponding figures for all non-citizens, and non-citizen males and females are 1,311,800 , and 1,131,800 and 180,000 , respectively. Of the total labour force 9.1% are citizens. Females make up 15.1% of the labour force.

## key Indicators

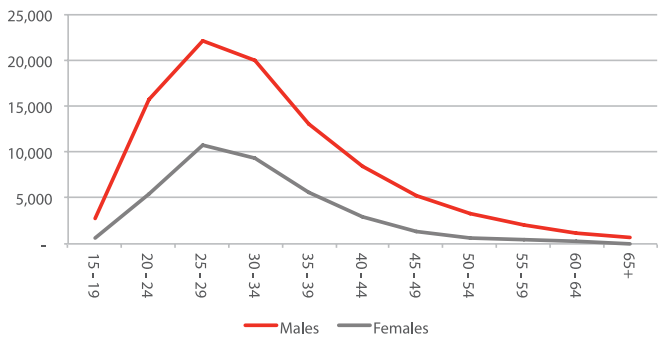
2011	Percentage of the population in the labour force	68.1%
	Females as a percentage of total labour force	15.1%
	Economic Dependency Ratio	46.9%

## 5.1. Labour Force Structure

The Labour force comprises both employed and unemployed persons who are 15 years and older. The number of employed reached 786,738 in 2005 while it was 294,524 in 1985, according to the results of the population censuses taken in those years. SCAD's 2011 estimates shows that the number of employed is 1,403,400 people (15 years and older), and 8.3% of the employed are citizens and 14.0% are females.

The 2011 age structure of the labour force reveals that the age group 25 to 29 years represents the largest proportion in the total labour force with 24.7%, and among citizens the proportion in the age group 25 to 29 years is 24.9%.

**Figure 5.1.1. Citizens Labour Force Estimates (15 years and over) by Age Group and Gender, Mid 2011**



Source: Statistics Centre - Abu Dhabi

### 5.1.1. Labour Force by Employment Status and Citizenship, Census Years

Indicator	1985	1995	2001	2005
<b>Labour Force</b>	<b>297,406</b>	<b>532,881</b>	<b>676,547</b>	<b>815,311</b>
Citizens	22,358	43,183	71,651	85,838
Non-Citizens	275,048	489,698	604,896	729,473
<b>Employed</b>	<b>294,524</b>	<b>525,457</b>	<b>649,342</b>	<b>786,738</b>
Citizens	21,579	40,981	60,753	75,518
Non-Citizens	272,945	484,476	588,589	711,220
<b>Unemployed</b>	<b>2,882</b>	<b>7,424</b>	<b>27,205</b>	<b>28,573</b>
Citizens	779	2,202	10,898	10,320
Non-Citizens	2,103	5,222	16,307	18,253

Source: Ministry of Economy , Department of Economic Development

### 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
<b>Total</b>	<b>9.1</b>	<b>6.0</b>	<b>4.4</b>	<b>10.8</b>
Males	8.5	5.9	3.7	10.7
Females	20.7	6.8	9.2	11.6
<b>Citizens</b>	<b>6.1</b>	<b>6.8</b>	<b>7.1</b>	<b>8.0</b>
Males	5.9	6.1	5.9	5.9
Females	13.5	16.9	14.4	14.9
<b>Non - Citizens</b>	<b>9.4</b>	<b>5.9</b>	<b>4.1</b>	<b>11.1</b>
Males	8.8	5.9	3.5	11.1
Females	21.1	6.1	8.6	11.0

Source: Statistics Centre - Abu Dhabi



### 5.1.3 Unemployment Rate by Citizenship and Gender, Census Years

(%)

Citizenship and Gender	1985	1995	2001	2005
<b>Total</b>	<b>1.0</b>	<b>1.4</b>	<b>4.0</b>	<b>3.5</b>
Males	0.8	1.3	2.8	2.8
Females	2.5	2.4	12.5	7.6
<b>Citizens</b>	<b>3.5</b>	<b>5.1</b>	<b>15.2</b>	<b>12.0</b>
Males	3.5	5.1	12.6	11.1
Females	4.2	4.9	26.6	15.5
<b>Non-Citizens</b>	<b>0.8</b>	<b>1.1</b>	<b>2.7</b>	<b>2.5</b>
Males	0.6	1.0	1.8	1.9
Females	2.4	2.1	9.8	6.3

Source: Statistics Centre - Abu Dhabi

#### 5.1.4. Total Labour Force Estimates (15 years and over) by Age Group, Citizenship and Gender, Mid 2011

Age Group / Citizenship	Males	Females	Total
<b>Grand Total</b>	<b>1,226,300</b>	<b>217,500</b>	<b>1,443,700</b>
15 - 19	9,900	4,200	14,100
20 - 24	153,300	34,100	187,400
25 - 29	300,500	56,800	357,300
30 - 34	256,100	46,900	303,000
35 - 39	184,300	32,300	216,600
40 - 44	134,500	20,000	154,500
45 - 49	83,200	11,300	94,500
50 - 54	56,600	6,700	63,300
55 - 59	32,100	3,400	35,500
60 - 64	11,500	1,300	12,800
65+	4,300	400	4,700
<b>Citizens</b>	<b>94,500</b>	<b>37,500</b>	<b>132,000</b>
15 - 19	2,800	600	3,400
20 - 24	15,800	5,400	21,100
25 - 29	22,100	10,800	32,900
30 - 34	20,100	9,300	29,400
35 - 39	13,000	5,700	18,600
40 - 44	8,400	2,900	11,300
45 - 49	5,300	1,400	6,800
50 - 54	3,300	700	4,000
55 - 59	2,000	400	2,400
60 - 64	1,100	200	1,300
65+	700	0	700
<b>Non-Citizens</b>	<b>1,131,800</b>	<b>180,000</b>	<b>1,311,800</b>
15 - 19	7,000	3,600	10,600
20 - 24	137,600	28,700	166,300
25 - 29	278,400	46,000	324,400
30 - 34	236,000	37,600	273,700
35 - 39	171,300	26,600	198,000
40 - 44	126,100	17,100	143,100
45 - 49	77,800	9,900	87,800
50 - 54	53,300	6,000	59,300
55 - 59	30,100	3,100	33,200
60 - 64	10,500	1,000	11,500
65+	3,600	300	4,000

Source: Statistics Centre - Abu Dhabi

### 5.1.5. Labour Force Estimates (15 years and over) by Age Group, Citizenship and Gender - Abu Dhabi, Mid 2011

Age Group / Citizenship	Males	Females	Total
<b>Grand Total</b>	<b>750,300</b>	<b>141,000</b>	<b>891,300</b>
15 - 19	4,700	2,100	6,700
20 - 24	89,200	19,800	109,000
25 - 29	187,800	35,900	223,800
30 - 34	161,800	31,000	192,800
35 - 39	112,300	21,900	134,200
40 - 44	80,600	13,800	94,400
45 - 49	49,200	8,000	57,200
50 - 54	33,800	4,800	38,600
55 - 59	20,100	2,500	22,600
60 - 64	7,800	1,000	8,800
65+	3,000	300	3,300
<b>Citizens</b>	<b>51,200</b>	<b>21,400</b>	<b>72,600</b>
15 - 19	1,300	300	1,600
20 - 24	7,800	2,900	10,700
25 - 29	11,500	6,000	17,500
30 - 34	10,700	5,300	16,000
35 - 39	7,300	3,300	10,600
40 - 44	5,000	1,800	6,800
45 - 49	3,300	900	4,200
50 - 54	2,000	500	2,500
55 - 59	1,200	200	1,500
60 - 64	600	100	800
65+	400	0	400
<b>Non-Citizens</b>	<b>699,100</b>	<b>119,600</b>	<b>818,700</b>
15 - 19	3,400	1,800	5,100
20 - 24	81,400	16,900	98,300
25 - 29	176,300	29,900	206,200
30 - 34	151,000	25,800	176,800
35 - 39	105,000	18,600	123,600
40 - 44	75,600	12,000	87,600
45 - 49	45,900	7,100	53,000
50 - 54	31,800	4,300	36,100
55 - 59	18,900	2,300	21,200
60 - 64	7,200	800	8,000
65+	2,600	200	2,800

Source: Statistics Centre - Abu Dhabi

**5.1.6. Labour Force Estimates (15 years and over) by Age Group, Citizenship and Gender - Al Ain, Mid 2011**

Age Group / Citizenship	Males	Females	Total
<b>Grand Total</b>	<b>287,900</b>	<b>69,300</b>	<b>357,200</b>
15 - 19	3,600	1,900	5,500
20 - 24	40,200	12,800	53,000
25 - 29	66,800	19,100	85,800
30 - 34	56,400	14,500	70,900
35 - 39	43,100	9,500	52,600
40 - 44	32,300	5,600	37,800
45 - 49	20,600	3,000	23,600
50 - 54	13,900	1,700	15,600
55 - 59	7,600	800	8,400
60 - 64	2,500	300	2,800
65+	1,100	100	1,200
<b>Citizens</b>	<b>35,100</b>	<b>14,500</b>	<b>49,600</b>
15 - 19	1,300	300	1,600
20 - 24	6,500	2,100	8,600
25 - 29	8,500	4,300	12,800
30 - 34	7,400	3,700	11,100
35 - 39	4,700	2,200	6,800
40 - 44	2,800	1,000	3,800
45 - 49	1,600	500	2,100
50 - 54	1,000	200	1,200
55 - 59	600	100	700
60 - 64	400	100	500
65+	200	0	200
<b>Non-Citizens</b>	<b>252,800</b>	<b>54,800</b>	<b>307,600</b>
15 - 19	2,300	1,700	3,900
20 - 24	33,700	10,700	44,400
25 - 29	58,300	14,700	73,000
30 - 34	48,900	10,800	59,700
35 - 39	38,500	7,300	45,800
40 - 44	29,500	4,500	34,000
45 - 49	18,900	2,600	21,500
50 - 54	12,900	1,500	14,300
55 - 59	6,900	700	7,600
60 - 64	2,200	200	2,400
65+	800	100	900

Source: Statistics Centre - Abu Dhabi

**5.1.7. Labour Force Estimates (15 years and over) by Age Group, Citizenship and Gender - AL Gharbia, Mid 2011**

Age Group / Citizenship	Males	Females	Total
<b>Grand Total</b>	<b>188,000</b>	<b>7,200</b>	<b>195,200</b>
15 - 19	1,600	200	1,800
20 - 24	23,900	1,400	25,400
25 - 29	45,900	1,800	47,700
30 - 34	38,000	1,400	39,400
35 - 39	28,800	1,000	29,800
40 - 44	21,600	600	22,200
45 - 49	13,400	300	13,700
50 - 54	9,000	200	9,200
55 - 59	4,400	100	4,500
60 - 64	1,100	0	1,200
65+	300	0	300
<b>Citizens</b>	<b>8,100</b>	<b>1,600</b>	<b>9,700</b>
15 - 19	200	0	300
20 - 24	1,400	400	1,800
25 - 29	2,100	500	2,600
30 - 34	1,900	400	2,200
35 - 39	1,000	200	1,200
40 - 44	600	100	700
45 - 49	400	0	500
50 - 54	300	0	300
55 - 59	200	0	200
60 - 64	100	0	100
65+	0	0	0
<b>Non-Citizens</b>	<b>179,900</b>	<b>5,600</b>	<b>185,500</b>
15 - 19	1,400	200	1,600
20 - 24	22,500	1,100	23,600
25 - 29	43,800	1,400	45,200
30 - 34	36,100	1,000	37,100
35 - 39	27,900	800	28,600
40 - 44	21,000	500	21,600
45 - 49	13,000	300	13,300
50 - 54	8,700	200	8,900
55 - 59	4,300	100	4,300
60 - 64	1,100	0	1,100
65+	200	0	200

Source: Statistics Centre - Abu Dhabi

### 5.1.8. Estimates of Total Employed (15 years and over) by Age Group, Citizenship and Gender, Mid 2011

Age Group / Citizenship	Males	Females	Total
<b>Grand Total</b>	<b>1,207,200</b>	<b>196,200</b>	<b>1,403,400</b>
15 - 19	7,700	3,000	10,700
20 - 24	148,600	28,900	177,500
25 - 29	296,900	51,700	348,600
30 - 34	253,800	43,700	297,500
35 - 39	182,600	30,200	212,800
40 - 44	133,100	18,500	151,600
45 - 49	82,200	10,300	92,400
50 - 54	55,800	5,900	61,600
55 - 59	31,400	2,800	34,200
60 - 64	10,900	900	11,700
65+	4,300	400	4,700
<b>Citizens</b>	<b>87,700</b>	<b>28,700</b>	<b>116,400</b>
15 - 19	1,800	100	1,900
20 - 24	13,800	2,900	16,700
25 - 29	20,800	8,400	29,200
30 - 34	19,200	8,000	27,200
35 - 39	12,500	5,000	17,400
40 - 44	8,100	2,400	10,500
45 - 49	5,100	1,100	6,200
50 - 54	3,100	500	3,600
55 - 59	1,800	200	2,000
60 - 64	900	100	1,000
65+	700	0	700
<b>Non-Citizens</b>	<b>1,119,600</b>	<b>167,500</b>	<b>1,287,000</b>
15 - 19	5,900	2,900	8,800
20 - 24	134,800	26,000	160,800
25 - 29	276,200	43,200	319,400
30 - 34	234,600	35,700	270,300
35 - 39	170,100	25,300	195,400
40 - 44	125,000	16,100	141,100
45 - 49	77,100	9,100	86,200
50 - 54	52,700	5,400	58,100
55 - 59	29,500	2,600	32,100
60 - 64	10,000	800	10,700
65+	3,600	300	4,000

Source: Statistics Centre - Abu Dhabi

### 5.1.9. Estimates of Total Employed (15 years and over) by Age Group, Citizenship and Gender - Abu Dhabi, Mid 2011

Age Group / Citizenship	Males	Females	Total
<b>Grand Total</b>	<b>740,200</b>	<b>128,200</b>	<b>868,400</b>
15 - 19	3,700	1,500	5,200
20 - 24	86,800	17,000	103,800
25 - 29	185,900	33,100	219,000
30 - 34	160,500	29,100	189,600
35 - 39	111,300	20,500	131,800
40 - 44	79,900	12,700	92,600
45 - 49	48,600	7,200	55,800
50 - 54	33,300	4,200	37,500
55 - 59	19,700	2,100	21,800
60 - 64	7,500	700	8,100
65+	3,000	300	3,300
<b>Citizens</b>	<b>47,800</b>	<b>17,600</b>	<b>65,300</b>
15 - 19	800	100	900
20 - 24	6,900	1,900	8,800
25 - 29	10,900	5,100	15,900
30 - 34	10,200	4,700	15,000
35 - 39	7,000	3,000	10,000
40 - 44	4,800	1,500	6,300
45 - 49	3,100	800	3,900
50 - 54	1,900	300	2,200
55 - 59	1,100	100	1,300
60 - 64	600	100	600
65+	400	0	400
<b>Non-Citizens</b>	<b>692,400</b>	<b>110,700</b>	<b>803,100</b>
15 - 19	2,900	1,400	4,300
20 - 24	79,900	15,100	95,000
25 - 29	175,100	28,000	203,100
30 - 34	150,200	24,400	174,600
35 - 39	104,300	17,500	121,800
40 - 44	75,000	11,200	86,200
45 - 49	45,500	6,400	52,000
50 - 54	31,400	3,900	35,300
55 - 59	18,600	1,900	20,500
60 - 64	6,900	600	7,500
65+	2,600	200	2,800

Source: Statistics Centre - Abu Dhabi

### 5.1.10. Estimates of Total Employed (15 years and over) by Age Group, Citizenship and Gender - Al Ain, Mid 2011

Age Group / Citizenship	Males	Females	Total
<b>Grand Total</b>	<b>279,900</b>	<b>61,600</b>	<b>341,500</b>
15 - 19	2,600	1,400	4,000
20 - 24	38,100	10,700	48,900
25 - 29	65,300	16,900	82,200
30 - 34	55,400	13,300	68,700
35 - 39	42,500	8,900	51,400
40 - 44	31,700	5,200	36,900
45 - 49	20,200	2,700	23,000
50 - 54	13,500	1,500	15,000
55 - 59	7,200	700	7,900
60 - 64	2,300	200	2,500
65+	1,100	100	1,200
<b>Citizens</b>	<b>32,200</b>	<b>10,000</b>	<b>42,200</b>
15 - 19	800	100	900
20 - 24	5,600	800	6,500
25 - 29	7,900	3,000	10,900
30 - 34	7,100	3,000	10,100
35 - 39	4,500	1,800	6,300
40 - 44	2,700	800	3,500
45 - 49	1,600	300	1,900
50 - 54	900	100	1,100
55 - 59	600	0	600
60 - 64	300	0	300
65+	200	0	200
<b>Non-Citizens</b>	<b>247,700</b>	<b>51,600</b>	<b>299,300</b>
15 - 19	1,800	1,400	3,100
20 - 24	32,500	9,900	42,400
25 - 29	57,400	13,900	71,300
30 - 34	48,300	10,400	58,700
35 - 39	38,000	7,100	45,100
40 - 44	29,000	4,300	33,400
45 - 49	18,700	2,400	21,100
50 - 54	12,600	1,300	13,900
55 - 59	6,700	600	7,300
60 - 64	2,000	100	2,100
65+	800	100	900

Source: Statistics Centre - Abu Dhabi



### 5.1.11. Estimates of Total Employed (15 years and over) by Age Group, Citizenship and Gender - Al Gharbia , Mid 2011

Age Group / Citizenship	Males	Females	Total
<b>Grand Total</b>	<b>187,100</b>	<b>6,400</b>	<b>193,500</b>
15 - 19	1,400	200	1,600
20 - 24	23,700	1,200	24,900
25 - 29	45,700	1,700	47,400
30 - 34	37,900	1,300	39,200
35 - 39	28,800	900	29,700
40 - 44	21,500	600	22,100
45 - 49	13,300	300	13,600
50 - 54	8,900	200	9,100
55 - 59	4,400	100	4,500
60 - 64	1,100	0	1,100
65+	300	0	300
<b>Citizens</b>	<b>7,700</b>	<b>1,200</b>	<b>8,800</b>
15 - 19	100	0	100
20 - 24	1,300	200	1,500
25 - 29	2,000	400	2,400
30 - 34	1,900	300	2,200
35 - 39	1,000	200	1,100
40 - 44	600	100	600
45 - 49	400	0	400
50 - 54	300	0	300
55 - 59	100	0	100
60 - 64	100	0	100
65+	0	0	0
<b>Non-Citizens</b>	<b>179,400</b>	<b>5,200</b>	<b>184,600</b>
15 - 19	1,300	100	1,500
20 - 24	22,400	1,000	23,400
25 - 29	43,700	1,300	45,000
30 - 34	36,000	1,000	37,000
35 - 39	27,800	700	28,500
40 - 44	21,000	500	21,500
45 - 49	12,900	300	13,200
50 - 54	8,700	200	8,800
55 - 59	4,200	100	4,300
60 - 64	1,100	0	1,100
65+	200	0	200

Source: Statistics Centre - Abu Dhabi

### 5.1.12. Percentage of Employed Population (15 years and Over) by Age Group, Citizenship and Gender, Mid 2011

(%)

Age Group / Citizenship	Males	Females	Total
<b>Grand Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
15 - 19	0.6	1.5	0.8
20 - 24	12.3	14.7	12.7
25 - 29	24.6	26.3	24.8
30 - 34	21.0	22.3	21.2
35 - 39	15.1	15.4	15.2
40 - 44	11.0	9.4	10.8
45 - 49	6.8	5.2	6.6
50 - 54	4.6	3.0	4.4
55 - 59	2.6	1.4	2.4
60 - 64	0.9	0.4	0.8
65+	0.4	0.2	0.3
<b>Citizens</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
15 - 19	2.0	0.4	1.6
20 - 24	15.8	10.1	14.4
25 - 29	23.7	29.3	25.1
30 - 34	21.9	27.8	23.4
35 - 39	14.2	17.3	15.0
40 - 44	9.2	8.4	9.0
45 - 49	5.8	3.9	5.3
50 - 54	3.5	1.7	3.1
55 - 59	2.1	0.6	1.7
60 - 64	1.0	0.3	0.9
65+	0.7	0.2	0.6
<b>Non- Citizens</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
15 - 19	0.5	1.7	0.7
20 - 24	12.0	15.5	12.5
25 - 29	24.7	25.8	24.8
30 - 34	21.0	21.3	21.0
35 - 39	15.2	15.1	15.2
40 - 44	11.2	9.6	11.0
45 - 49	6.9	5.5	6.7
50 - 54	4.7	3.2	4.5
55 - 59	2.6	1.6	2.5
60 - 64	0.9	0.5	0.8
65+	0.3	0.2	0.3

Source: Statistics Centre - Abu Dhabi

### 5.1.13. Percentage of Employed Population ( 15 years and Over) by Age Group, Citizenship and Gender - Abu Dhabi , Mid 2011

(%)

Age Group / Citizenship	Males	Females	Total
<b>Grand Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
15 - 19	0.5	1.1	0.6
20 - 24	11.7	13.2	11.9
25 - 29	25.1	25.8	25.2
30 - 34	21.7	22.7	21.8
35 - 39	15.0	16.0	15.2
40 - 44	10.8	9.9	10.7
45 - 49	6.6	5.6	6.4
50 - 54	4.5	3.3	4.3
55 - 59	2.7	1.6	2.5
60 - 64	1.0	0.5	0.9
65+	0.4	0.2	0.4
<b>Citizens</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
15 - 19	1.7	0.4	1.4
20 - 24	14.5	10.8	13.5
25 - 29	22.7	29.0	24.4
30 - 34	21.4	26.9	22.9
35 - 39	14.7	16.9	15.3
40 - 44	10.1	8.5	9.7
45 - 49	6.5	4.3	5.9
50 - 54	3.9	2.0	3.4
55 - 59	2.4	0.7	1.9
60 - 64	1.2	0.3	0.9
65+	0.8	0.2	0.7
<b>Non-Citizens</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
15 - 19	0.4	1.3	0.5
20 - 24	11.5	13.6	11.8
25 - 29	25.3	25.3	25.3
30 - 34	21.7	22.0	21.7
35 - 39	15.1	15.8	15.2
40 - 44	10.8	10.1	10.7
45 - 49	6.6	5.8	6.5
50 - 54	4.5	3.5	4.4
55 - 59	2.7	1.7	2.6
60 - 64	1.0	0.6	0.9
65+	0.4	0.2	0.4

Source: Statistics Centre - Abu Dhabi

#### 5.1.14. Percentage of Employed Population (15 years and Over) by Age Group, Citizenship and Gender - Al Ain, Mid 2011

(%)

Age Group / Citizenship	Males	Females	Total
<b>Grand Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
15 - 19	0.9	2.3	1.2
20 - 24	13.6	17.4	14.3
25 - 29	23.3	27.4	24.1
30 - 34	19.8	21.6	20.1
35 - 39	15.2	14.4	15.0
40 - 44	11.3	8.4	10.8
45 - 49	7.2	4.5	6.7
50 - 54	4.8	2.4	4.4
55 - 59	2.6	1.1	2.3
60 - 64	0.8	0.3	0.7
65+	0.4	0.2	0.3
<b>Citizens</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
15 - 19	2.5	0.5	2.0
20 - 24	17.5	8.1	15.3
25 - 29	24.6	29.8	25.8
30 - 34	22.1	29.6	23.9
35 - 39	13.9	18.4	14.9
40 - 44	8.3	8.4	8.3
45 - 49	4.8	3.2	4.4
50 - 54	2.9	1.2	2.5
55 - 59	1.7	0.5	1.4
60 - 64	0.9	0.2	0.8
65+	0.7	0.1	0.6
<b>Non-Citizens</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
15 - 19	0.7	2.6	1.0
20 - 24	13.1	19.2	14.2
25 - 29	23.2	27.0	23.8
30 - 34	19.5	20.1	19.6
35 - 39	15.3	13.7	15.1
40 - 44	11.7	8.4	11.2
45 - 49	7.5	4.7	7.0
50 - 54	5.1	2.6	4.7
55 - 59	2.7	1.2	2.4
60 - 64	0.8	0.3	0.7
65+	0.3	0.2	0.3

Source: Statistics Centre - Abu Dhabi

**5.1.15. Percentage of Employed Population (15 years and Over) by Age Group, Citizenship and Gender - AL Gharbia, Mid 2011**

Age Group / Citizenship	Males	Females	Total
<b>Grand Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
15 - 19	0.8	2.4	0.8
20 - 24	12.7	18.8	12.9
25 - 29	24.4	25.9	24.5
30 - 34	20.3	20.2	20.3
35 - 39	15.4	14.0	15.3
40 - 44	11.5	9.3	11.4
45 - 49	7.1	4.7	7.0
50 - 54	4.8	2.8	4.7
55 - 59	2.3	1.4	2.3
60 - 64	0.6	0.2	0.6
65+	0.1	0.2	0.1
<b>Citizens</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
15 - 19	1.5	0.8	1.4
20 - 24	16.8	17.2	16.9
25 - 29	26.0	31.4	26.7
30 - 34	24.3	24.8	24.3
35 - 39	12.6	14.0	12.8
40 - 44	7.3	6.6	7.2
45 - 49	5.3	3.2	5.0
50 - 54	3.4	1.1	3.1
55 - 59	1.8	0.6	1.7
60 - 64	0.7	0.2	0.6
65+	0.3	0.2	0.3
<b>Non-Citizens</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
15 - 19	0.7	2.8	0.8
20 - 24	12.5	19.1	12.7
25 - 29	24.4	24.7	24.4
30 - 34	20.1	19.2	20.1
35 - 39	15.5	14.1	15.5
40 - 44	11.7	9.9	11.6
45 - 49	7.2	5.0	7.1
50 - 54	4.8	3.2	4.8
55 - 59	2.4	1.5	2.3
60 - 64	0.6	0.2	0.6
65+	0.1	0.2	0.1

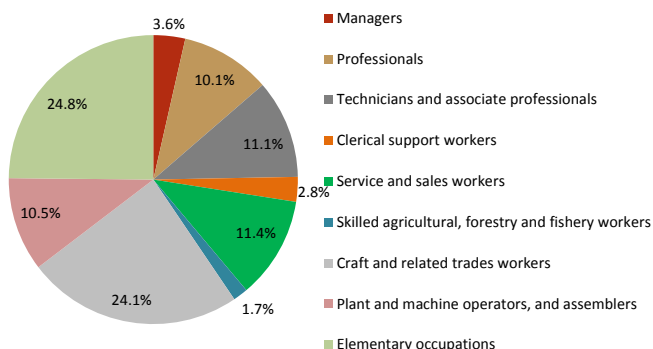
Source: Statistics Centre - Abu Dhabi

## 5.2. Occupational Structure

Among the employed population the largest proportion had their main occupation classified as Elementary occupations 24.8%, closely followed by Craft and related trades workers with 24.1%, and then Service and sales workers 11.4%, Technicians and associate professionals 11.1%, Plant and machine operators, and assemblers 10.5%, with 18.1% in all the other occupational categories.

For citizens, however, the main occupational category accounting for largest proportion of the employed population is that of Technicians and Associated professionals 38.5%, followed by Service and sales workers 22.0%, Professionals 18.0% and other occupational categories in considerably smaller proportion totaling 21.3%

**Percentage Distribution of Estimated Employed Population (15 years and over) by Main Occupation, Mid 2011**



Source: Statistics Centre - Abu Dhabi

### 5.2.1. Estimated Employed Population (15 years and over) by Main Occupation and Gender, Mid 2011

Main Occupation	Males	Females	Total
<b>Total</b>	<b>1,207,200</b>	<b>196,200</b>	<b>1,403,400</b>
Managers	43,600	6,300	49,900
Professionals	101,600	40,000	141,600
Technicians and associate professionals	132,500	22,700	155,200
Clerical support workers	27,300	11,600	38,900
Service and sales workers	123,200	36,700	159,900
Skilled agricultural, forestry and fishery workers	23,300	0	23,300
Craft and related trades workers	336,900	1,300	338,200
Plant and machine operators, and assemblers	144,400	3,300	147,800
Elementary occupations	274,400	74,200	348,700

Source: Statistics Centre - Abu Dhabi

### 5.2.2. Occupation Distribution of Estimated Employed Population (15 years and over) by Gender, Mid 2011

(%)

Main Occupation	Males	Females	Total
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Managers	3.6	3.2	3.6
Professionals	8.4	20.4	10.1
Technicians and associate professionals	11.0	11.6	11.1
Clerical support workers	2.3	5.9	2.8
Service and sales workers	10.2	18.7	11.4
Skilled agricultural, forestry and fishery workers	1.9	0.0	1.7
Craft and related trades workers	27.9	0.7	24.1
Plant and machine operators, and assemblers	12.0	1.7	10.5
Elementary occupations	22.7	37.8	24.8

Source: Statistics Centre - Abu Dhabi

### 5.2.3. Estimated Employed Citizens (15 years and over) by Main Occupation and Gender, Mid 2011

Main Occupation	Males	Females	Total
<b>Total</b>	<b>87,700</b>	<b>28,700</b>	<b>116,400</b>
Managers	8,800	1,900	10,700
Professionals	11,400	9,600	21,000
Technicians and associate professionals	33,500	11,400	44,900
Clerical support workers	3,700	3,300	7,000
Service and sales workers	23,500	2,100	25,600
Skilled agricultural, forestry and fishery workers	200	-	200
Craft and related trades workers	2,600	100	2,600
Plant and machine operators, and assemblers	2,400	-	2,400
Elementary occupations	1,700	300	2,000

Source: Statistics Centre - Abu Dhabi

### 5.2.4. Occupation Distribution of Estimated Employed Citizens (15 years and over) by Gender, Mid 2011

(%)

Main Occupation	Males	Females	Total
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Managers	10.0	6.7	9.2
Professionals	13.0	33.4	18.0
Technicians and associate professionals	38.2	39.5	38.5
Clerical support workers	4.2	11.6	6.0
Service and sales workers	26.8	7.5	22.0
Skilled agricultural, forestry and fishery workers	0.2	0.0	0.1
Craft and related trades workers	2.9	0.2	2.2
Plant and machine operators, and assemblers	2.7	0.2	2.1
Elementary occupations	1.9	0.9	1.7

Source: Statistics Centre - Abu Dhabi



### 5.2.5. Estimated Employed Non-Citizens (15 years and over) by Main Occupation and Gender, Mid 2011

Main Occupation	Males	Females	Total
<b>Total</b>	<b>1,119,600</b>	<b>167,500</b>	<b>1,287,000</b>
Managers	34,800	4,400	39,200
Professionals	90,200	30,400	120,600
Technicians and associate professionals	99,000	11,300	110,300
Clerical support workers	23,600	8,200	31,900
Service and sales workers	99,700	34,600	134,300
Skilled agricultural, forestry and fishery workers	23,100	-	23,200
Craft and related trades workers	334,300	1,200	335,600
Plant and machine operators, and assemblers	142,000	3,300	145,300
Elementary occupations	272,700	74,000	346,700

Source: Statistics Centre - Abu Dhabi

### 5.2.6. Occupation Distribution of Estimated Employed Non-Citizens (15 years and over) by Gender, Mid 2011

(%)

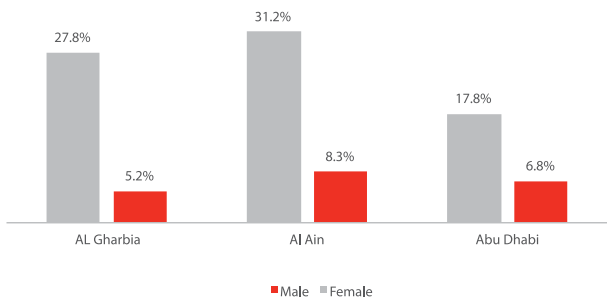
Main Occupation	Males	Females	Total
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Managers	3.1	2.6	3.0
Professionals	8.1	18.1	9.4
Technicians and associate professionals	8.8	6.8	8.6
Clerical support workers	2.1	4.9	2.5
Service and sales workers	8.9	20.7	10.4
Skilled agricultural, forestry and fishery workers	2.1	0.0	1.8
Craft and related trades workers	29.9	0.7	26.1
Plant and machine operators, and assemblers	12.7	2.0	11.3
Elementary occupations	24.4	44.2	26.9

Source: Statistics Centre - Abu Dhabi

### 5.3. Unemployment

The estimated unemployed population reached 40,300 people in 2011, an increase from 28,573 people in 2005. Some 38.7% of the unemployed are citizens, and 52.8% are females. The age group 20 to 24 years represents the largest portion of the unemployed at 24.3%. This finding applies to citizens and non-citizens, males and females. For the unemployed, holders of university degrees represent the largest proportion with 27.6%, followed by secondary school certificates 27.3%, whereas those with over secondary and below university (11.6%) and other educational categories represent smaller proportions. The 2011 unemployment rates among citizens, non-citizens and the total labour force were 11.8%, 1.9% and 2.8% respectively.

**Figure 5.3.1. Estimates of Unemployment Rate for Citizens by Region and Gender, Mid-2011**



Source: Statistics Centre - Abu Dhabi

### 5.3.1. Estimates of Total Unemployed (15-64 Years) by Region, Citizenship and Gender, Mid-2011

Citizenship/Gender	Abu Dhabi	Al Ain	Al Gharbia	Total
<b>Total</b>	<b>22,900</b>	<b>15,700</b>	<b>1,700</b>	<b>40,300</b>
Males	10,100	8,000	900	19,000
Females	12,800	7,700	800	21,300
<b>Citizens</b>	<b>7,300</b>	<b>7,400</b>	<b>900</b>	<b>15,600</b>
Males	3,500	2,900	400	6,800
Females	3,800	4,500	400	8,800
<b>Non-Citizens</b>	<b>15,600</b>	<b>8,300</b>	<b>800</b>	<b>24,700</b>
Males	6,700	5,100	500	12,200
Females	8,900	3,200	400	12,500

Source: Statistics Centre - Abu Dhabi

### 5.3.2. Estimates of Total Unemployed (15- 64 years) by Age Group, Citizenship and Gender, Mid- 2011

Age Group / Citizenship	Males	Females	Total
<b>Grand Total</b>	<b>19,000</b>	<b>21,300</b>	<b>40,300</b>
15 - 19	2,100	1,200	3,400
20 - 24	4,700	5,200	9,800
25 - 29	3,500	5,100	8,700
30 - 34	2,300	3,200	5,500
35 - 39	1,700	2,100	3,800
40 - 44	1,400	1,500	2,900
45 - 49	1,000	1,100	2,100
50 - 54	900	800	1,700
55 - 59	800	600	1,400
60 - 64	600	400	1,100
<b>Citizens</b>	<b>6,800</b>	<b>8,800</b>	<b>15,600</b>
15 - 19	1,100	500	1,500
20 - 24	1,900	2,500	4,400
25 - 29	1,300	2,400	3,700
30 - 34	800	1,300	2,200
35 - 39	500	700	1,200
40 - 44	400	500	800
45 - 49	300	300	600
50 - 54	200	300	500
55 - 59	200	200	400
60 - 64	100	200	300
<b>Non-Citizens</b>	<b>12,200</b>	<b>12,500</b>	<b>24,700</b>
15 - 19	1,100	700	1,800
20 - 24	2,800	2,700	5,500
25 - 29	2,200	2,800	5,000
30 - 34	1,500	1,900	3,400
35 - 39	1,200	1,400	2,600
40 - 44	1,000	1,000	2,000
45 - 49	700	800	1,500
50 - 54	700	600	1,200
55 - 59	600	400	1,000
60 - 64	500	300	700

Source: Statistics Centre - Abu Dhabi

### 5.3.3. Estimates of Unemployed (15- 64 years) by Age Group, Citizenship and Gender - Abu Dhabi, Mid 2011

Age Group / Citizenship	Males	Females	Total
<b>Grand Total</b>	<b>10,100</b>	<b>12,800</b>	<b>22,900</b>
15 - 19	1,000	600	1,600
20 - 24	2,400	2,800	5,200
25 - 29	1,900	2,800	4,700
30 - 34	1,300	1,900	3,200
35 - 39	1,000	1,400	2,400
40 - 44	800	1,000	1,800
45 - 49	600	800	1,400
50 - 54	500	600	1,100
55 - 59	400	400	800
60 - 64	400	300	700
<b>Citizens</b>	<b>3,500</b>	<b>3,800</b>	<b>7,300</b>
15 - 19	500	200	700
20 - 24	900	1,000	1,900
25 - 29	700	900	1,600
30 - 34	500	500	1,000
35 - 39	300	300	600
40 - 44	200	300	500
45 - 49	200	200	300
50 - 54	100	200	300
55 - 59	100	100	200
60 - 64	100	100	200
<b>Non-Citizens</b>	<b>6,700</b>	<b>8,900</b>	<b>15,600</b>
15 - 19	500	400	900
20 - 24	1,500	1,800	3,300
25 - 29	1,300	1,900	3,200
30 - 34	800	1,400	2,200
35 - 39	700	1,100	1,800
40 - 44	600	800	1,300
45 - 49	400	600	1,000
50 - 54	300	400	800
55 - 59	300	300	700
60 - 64	300	200	500

Source: Statistics Centre - Abu Dhabi

### 5.3.4. Estimates of Unemployed (15- 64 years) by Age Group, Citizenship and Gender - Al Ain, Mid 2011

Age Group / Citizenship	Males	Females	Total
<b>Grand Total</b>	<b>8,000</b>	<b>7,700</b>	<b>15,700</b>
15 - 19	1,000	500	1,600
20 - 24	2,000	2,100	4,100
25 - 29	1,500	2,100	3,700
30 - 34	900	1,200	2,100
35 - 39	700	600	1,300
40 - 44	500	400	900
45 - 49	400	300	600
50 - 54	300	200	600
55 - 59	300	200	500
60 - 64	200	100	400
<b>Citizens</b>	<b>2,900</b>	<b>4,500</b>	<b>7,400</b>
15 - 19	500	200	700
20 - 24	900	1,300	2,200
25 - 29	600	1,400	1,900
30 - 34	300	700	1,100
35 - 39	200	300	500
40 - 44	100	200	300
45 - 49	100	100	200
50 - 54	100	100	200
55 - 59	100	100	100
60 - 64	100	100	100
<b>Non-Citizens</b>	<b>5,100</b>	<b>3,200</b>	<b>8,300</b>
15 - 19	500	300	800
20 - 24	1,200	800	2,000
25 - 29	900	800	1,700
30 - 34	600	400	1,000
35 - 39	500	300	700
40 - 44	400	200	600
45 - 49	300	200	400
50 - 54	300	100	400
55 - 59	200	100	300
60 - 64	200	100	200

Source: Statistics Centre - Abu Dhabi

### 5.3.5. Estimates of Unemployed (15- 64 years) Age Group, Citizenship and Gender - Al Gharbia, Mid 2011

Age Group / Citizenship	Males	Females	Total
<b>Grand Total</b>	<b>900</b>	<b>800</b>	<b>1,700</b>
15 - 19	100	100	200
20 - 24	200	300	500
25 - 29	100	200	300
30 - 34	100	100	200
35 - 39	100	100	100
40 - 44	100	0	100
45 - 49	100	0	100
50 - 54	100	0	100
55 - 59	0	0	100
60 - 64	0	0	0
<b>Citizens</b>	<b>400</b>	<b>400</b>	<b>900</b>
15 - 19	100	0	100
20 - 24	100	200	300
25 - 29	100	100	200
30 - 34	0	100	100
35 - 39	0	0	100
40 - 44	0	0	0
45 - 49	0	0	0
50 - 54	0	0	0
55 - 59	0	0	0
60 - 64	0	0	0
<b>Non-Citizens</b>	<b>500</b>	<b>400</b>	<b>800</b>
15 - 19	100	0	100
20 - 24	100	100	200
25 - 29	0	100	100
30 - 34	0	0	100
35 - 39	100	0	100
40 - 44	100	0	100
45 - 49	100	0	100
50 - 54	0	0	100
55 - 59	0	0	0
60 - 64	0	0	0

Source: Statistics Centre - Abu Dhabi

### 5.3.6. Estimated Unemployed Population (15- 64 years) by Educational Status and Gender, Mid 2011

Educational Status	Males	Females	Total
<b>Total</b>	<b>19,000</b>	<b>21,300</b>	<b>40,300</b>
Illiterate	1400	1000	2400
Read and write	1500	900	2400
Primary cycle 1	2100	1000	3100
Preparatory cycle 2	2200	1000	3100
Secondary	5700	5300	11000
Over secondary below uni	1700	3000	4700
University	3600	7500	11100
Higher diploma	300	700	1100
Master	300	900	1200
Ph.D.	100	100	200

Source: Statistics Centre - Abu Dhabi

### 5.3.7. Percentage Distribution of the Emirate Unemployed Population (15- 64 years) by Educational Status and Gender, Mid 2011

(%)

Educational Status	Males	Females	Total
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Illiterate	7.5	4.5	5.9
Read and write	7.9	4.1	5.9
Primary cycle 1	11.2	4.7	7.8
Preparatory cycle 2	11.3	4.6	7.8
Secondary	30.1	24.9	27.3
Over secondary below uni	9.1	13.9	11.6
University	19.0	35.2	27.6
Higher diploma	1.7	3.5	2.7
Master	1.8	4.0	3.0
Ph.D.	0.4	0.5	0.4

Source: Statistics Centre - Abu Dhabi



### 5.3.8. Estimated Unemployed Citizens (15- 64 years) by Educational Status and Gender, Mid 2011

Educational Status	Males	Females	Total
<b>Total</b>	<b>6,800</b>	<b>8,800</b>	<b>15,600</b>
Illiterate	400	500	900
Read and write	500	400	900
Primary cycle 1	1000	600	1600
Preparatory cycle 2	1000	500	1600
Secondary	2400	2700	5100
Over secondary below uni	600	1300	1800
University	700	2500	3100
Higher diploma	100	300	400
Master	0	100	100
Ph.D.	0	0	0

Source: Statistics Centre - Abu Dhabi

### 5.3.9. Percentage Distribution of the Emirate Unemployed Citizens (15- 64 years) by Educational Status and Gender, Mid 2011

(%)

Educational Status	Males	Females	Total
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Illiterate	6.1	6.0	6.0
Read and write	7.0	4.8	5.7
Primary cycle 1	15.1	6.3	10.2
Preparatory cycle 2	15.4	6.2	10.2
Secondary	35.8	30.3	32.7
Over secondary below uni	8.4	14.3	11.8
University	10.0	27.9	20.1
Higher diploma	1.2	3.3	2.4
Master	0.7	0.8	0.8
Ph.D.	0.1	0.2	0.1

Source: Statistics Centre - Abu Dhabi

### 5.3.10. Estimated Unemployed Non-Citizens (15-64 years) by Educational Status and Gender, Mid 2011

Educational Status	Males	Females	Total
<b>Total</b>	<b>12,200</b>	<b>12,500</b>	<b>24,700</b>
Illiterate	1000	400	1400
Read and write	1000	400	1500
Primary cycle 1	1100	400	1600
Preparatory cycle 2	1100	400	1600
Secondary	3300	2600	5900
Over secondary below uni	1100	1700	2900
University	2900	5000	8000
Higher diploma	200	500	700
Master	300	800	1100
Ph.D.	100	100	100

Source: Statistics Centre - Abu Dhabi

### 5.3.11. Percentage Distribution of Unemployed Non-Citizens (15-64 years) by Educational Status and Gender, Mid 2011

(%)

Educational Status	Males	Females	Total
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Illiterate	8.3	3.5	5.9
Read and write	8.5	3.6	6.0
Primary cycle 1	9.1	3.5	6.3
Preparatory cycle 2	9.1	3.5	6.3
Secondary	26.9	21.1	24.0
Over secondary below uni	9.4	13.7	11.6
University	24.0	40.4	32.3
Higher diploma	2.0	3.7	2.8
Master	2.4	6.3	4.4
Ph.D.	0.5	0.7	0.6

Source: Statistics Centre - Abu Dhabi

## 5.4. Employment by Economic Activity

The 2011 distribution of employed population by main economic activity shows that the Construction represents the economic activity category accounting for the largest proportion of the employed population with 31.7%, followed by Activities of households as employers undifferentiated goods & services 9.7%, Real estate activities 8.2%. This pattern is very similar to that of non-citizens, while the corresponding pattern for citizens is different, with six out of every ten of employed citizens working in public administration and defense.

### 5.4.1. Estimated Employed Population ( 15 years and over) by Economic Activity and Gender, Mid 2011

Economic Activity	Males	Females	Total
<b>Total</b>	<b>1,207,200</b>	<b>196,200</b>	<b>1,403,400</b>
Agriculture, forestry & fishing	81,200	100	81,400
Mining and quarrying	53,800	2,500	56,200
Manufacturing	65,700	1,500	67,200
Electricity, gas, steam & air conditioning supply	5,900	500	6,400
Water supply; sewerage, waste management & remediation activities	3,400	100	3,500
Construction	438,200	6,600	444,700
Wholesale & retail trade repair of motor vehicles and motorcycles	76,700	9,100	85,900
Transportation & storage	42,700	3,700	46,400
Accommodation & food service activities	60,700	7,500	68,200
Information & communication	10,500	1,800	12,300
Financial & insurance activities	14,000	5,500	19,500
Real estate activities	113,500	1,100	114,600
Professional, scientific & technical activities	19,100	3,200	22,300
Administrative & support service activities	47,100	7,100	54,100
Public administration & defence; compulsory social security	86,100	18,100	104,200
Education	15,900	21,200	37,000
Human health & social work activities	12,100	14,100	26,200
Arts, entertainment & recreation	4,200	700	4,900
Other service activities	7,800	2,900	10,700
Activities of households as employers undifferentiated goods & services	47,800	88,500	136,300
Activities of extraterritorial organizations & bodies	900	300	1,200

Source: Statistics Centre - Abu Dhabi

#### 5.4.2. Percentage Distribution of Employed Population (15 years and over) by Economic Activity and Gender, Mid 2011

(%)

Economic Activity	Males	Females	Total
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Agriculture, forestry & fishing	6.7	0.1	5.8
Mining and quarrying	4.5	1.3	4.0
Manufacturing	5.4	0.8	4.8
Electricity, gas, steam & air conditioning supply	0.5	0.3	0.5
Water supply; sewerage, waste management & remediation activities	0.3	0.1	0.2
Construction	36.3	3.4	31.7
Wholesale & retail trade repair of motor vehicles and motorcycles	6.4	4.7	6.1
Transportation & storage	3.5	1.9	3.3
Accommodation & food service activities	5.0	3.8	4.9
Information & communication	0.9	0.9	0.9
Financial & insurance activities	1.2	2.8	1.4
Real estate activities	9.4	0.6	8.2
Professional, scientific & technical activities	1.6	1.6	1.6
Administrative & support service activities	3.9	3.6	3.9
Public administration & defence; compulsory social security	7.1	9.2	7.4
Education	1.3	10.8	2.6
Human health & social work activities	1.0	7.2	1.9
Arts, entertainment & recreation	0.3	0.3	0.3
Other service activities	0.6	1.5	0.8
Activities of households as employers undifferentiated goods & services	4.0	45.1	9.7
Activities of extraterritorial organizations & bodies	0.1	0.2	0.1

Source: Statistics Centre - Abu Dhabi

#### 5.4.3. Estimated Employed Citizens (15 years and over) by Economic Activity and Gender, Mid 2011

Economic Activity	Males	Females	Total
<b>Total</b>	<b>87,700</b>	<b>28,700</b>	<b>116,400</b>
Agriculture, forestry & fishing	400	-	400
Mining and quarrying	5,400	1,100	6,500
Manufacturing	1,300	300	1,600
Electricity, gas, steam & air conditioning supply	600	300	1,000
Water supply; sewerage, waste management & remediation activities	100	100	200
Construction	3,700	200	3,900
Wholesale & retail trade repair of motor vehicles and motorcycles	2,000	400	2,400
Transportation & storage	1,900	700	2,600
Accommodation & food service activities	600	100	600
Information & communication	1,000	600	1,500
Financial & insurance activities	1,600	1,700	3,300
Real estate activities	1,000	100	1,100
Professional, scientific & technical activities	1,000	400	1,400
Administrative & support service activities	2,200	900	3,000
Public administration & defence; compulsory social security	61,300	13,700	75,000
Education	1,700	5,500	7,200
Human health & social work activities	1,100	2,200	3,300
Arts, entertainment & recreation	300	100	400
Other service activities	200	200	300
Activities of households as employers undifferentiated goods & services	500	100	600
Activities of extraterritorial organizations & bodies	100	0	100

Source: Statistics Centre - Abu Dhabi

#### 5.4.4. Percentage Distribution of Employed Citizens (15 years and over) by Economic Activity and Gender, Mid 2011

(%)

Economic Activity	Males	Females	Total
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Agriculture, forestry & fishing	0.5	0.1	0.4
Mining and quarrying	6.1	3.8	5.6
Manufacturing	1.5	0.9	1.3
Electricity, gas, steam & air conditioning supply	0.7	1.2	0.8
Water supply; sewerage, waste management & remediation activities	0.2	0.2	0.2
Construction	4.2	0.7	3.4
Wholesale & retail trade repair of motor vehicles and motorcycles	2.3	1.5	2.1
Transportation & storage	2.1	2.6	2.2
Accommodation & food service activities	0.6	0.2	0.5
Information & communication	1.1	1.9	1.3
Financial & insurance activities	1.8	5.9	2.8
Real estate activities	1.1	0.3	0.9
Professional, scientific & technical activities	1.1	1.5	1.2
Administrative & support service activities	2.5	3.0	2.6
Public administration & defence; compulsory social security	69.9	47.7	64.4
Education	1.9	19.2	6.2
Human health & social work activities	1.2	7.8	2.8
Arts, entertainment & recreation	0.3	0.3	0.3
Other service activities	0.2	0.7	0.3
Activities of households as employers undifferentiated goods & services	0.5	0.5	0.5
Activities of extraterritorial organizations & bodies	0.1	0.1	0.1

Source: Statistics Centre - Abu Dhabi

#### 5.4.5. Estimated Employed Non-Citizens (15 years and over) by Economic Activity and Gender, Mid 2011

(%)

Economic Activity	Males	Females	Total
<b>Total</b>	<b>1,119,600</b>	<b>167,500</b>	<b>1,287,000</b>
Agriculture, forestry & fishing	80,800	100	80,900
Mining and quarrying	48,400	1,400	49,800
Manufacturing	64,400	1,200	65,700
Electricity, gas, steam & air conditioning supply	5,300	200	5,400
Water supply; sewerage, waste management & remediation activities	3,200	100	3,300
Construction	434,400	6,400	440,800
Wholesale & retail trade repair of motor vehicles and motorcycles	74,700	8,700	83,400
Transportation & storage	40,900	2,900	43,800
Accommodation & food service activities	60,100	7,500	67,600
Information & communication	9,500	1,300	10,800
Financial & insurance activities	12,500	3,800	16,300
Real estate activities	112,600	1,000	113,600
Professional, scientific & technical activities	18,100	2,800	20,900
Administrative & support service activities	44,900	6,200	51,100
Public administration & defence; compulsory social security	24,800	4,400	29,200
Education	14,200	15,700	29,800
Human health & social work activities	11,100	11,900	22,900
Arts, entertainment & recreation	3,900	600	4,500
Other service activities	7,600	2,800	10,400
Activities of households as employers undifferentiated goods & services	47,400	88,300	135,700
Activities of extraterritorial organizations & bodies	800	300	1,100

Source: Statistics Centre - Abu Dhabi

#### 5.4.6. Percentage Distribution of Employed Non-Citizens ( 15 years and over) by Economic Activity and Gender, Mid 2011

Economic Activity	Males	Females	Total
Total (%)	100.0	100.0	100.0
Agriculture, forestry & fishing	7.2	0.1	6.3
Mining and quarrying	4.3	0.8	3.9
Manufacturing	5.8	0.7	5.1
Electricity, gas, steam & air conditioning supply	0.5	0.1	0.4
Water supply; sewerage, waste management & remediation activities	0.3	0.0	0.3
Construction	38.8	3.8	34.2
Wholesale & retail trade repair of motor vehicles and motorcycles	6.7	5.2	6.5
Transportation & storage	3.7	1.8	3.4
Accommodation & food service activities	5.4	4.5	5.2
Information & communication	0.8	0.8	0.8
Financial & insurance activities	1.1	2.3	1.3
Real estate activities	10.1	0.6	8.8
Professional, scientific & technical activities	1.6	1.7	1.6
Administrative & support service activities	4.0	3.7	4.0
Public administration & defence; compulsory social security	2.2	2.7	2.3
Education	1.3	9.4	2.3
Human health & social work activities	1.0	7.1	1.8
Arts, entertainment & recreation	0.4	0.3	0.4
Other service activities	0.7	1.6	0.8
Activities of households as employers undifferentiated goods & services	4.2	52.7	10.5
Activities of extraterritorial organizations & bodies	0.1	0.2	0.1

Source: Statistics Centre - Abu Dhabi





## **6. Agriculture and Environment**

- Agriculture
- Environment

## 6. Agriculture and environment

Agriculture and landscapes are of great importance in preserving and protecting the environment, where they play an important role absorbing carbonoxides which pollute the environment, benefiting from watersheds, and preserving biodiversity, in addition to its essential role in meeting the growing demand for food and agricultural products. Agriculture remains the largest user of natural resources, thus contributing to the depletion of groundwater and increasing the pollution resulting from the use of agricultural chemicals. Degradation of natural resources leads to the loss of resources necessary for agricultural production, increasing exposure to risks and significant economic losses. However, to mitigate the risks, reform measurements must be taken in terms of policies to benefit from the institutional and technological innovations and reduce the environmental impact of agricultural activities.

Environment in the Emirate of Abu Dhabi enjoys a special interest that stems from the keenness of the wise government to develop the community, preserve its health and safety in recognition of both human and economic capital. As a result, there is an increasing interest to provide environmental statistics covering various areas such as climate, air quality, pollutant emissions, water statistics, health and occupational safety and waste statistics. These statistics provide support to policy and decision makers to achieve a sustainable environment in the Emirate of Abu Dhabi.

Statistics Centre - Abu Dhabi is keen to provide agricultural and environmental statistics that monitor the real status and cover all aspects as well as monitor the development taking place in both areas, agriculture and environment, to achieve sustainable development.

### Agriculture

2011

Total number of holdings (plant holdings)	24,394
Total agriculture area (donums)	752,839
Area cultivated with field crops	179,513
Area cultivated with of vegetables	13,875
Area cultivated with fruit trees	293,022
Number of sheep and goats	2,080,623
Number of cattle	57,167
Number of camels	277,577
Number of commercial farms	25
Broiler - chicken meat production (tons)	17,350
Egg production (thousand eggs)	150,541
Milk production of commercial farms (tons)	70,975
Quantity of fish caught (tons)	3,922
Value of fish caught (million AED)	69.4
Exported agricultural goods (thousand AED)	584,835
Re - exported agricultural goods (thousand AED)	116,382

**Environment**

Average minimum temperature ( oC)	22.5
Average minimum relative humidity (%)	30.7
Average rainfall in millimeters	21.5
Average maximum temperature( oC)	34.0
Average maximum relative humidity (%)	78.4
Average atmospheric pressure (hPA)	1008.2
% increase in CO2 emissions - oil and gas sector	21.3
% increase in CO2 emissions - water and electricity production sector	6.2
Number of working wells	71,165
Average withdrawal of groundwater (MCM)	2,217.9
Average water consumption per cultivated hectare (cubic meters)	10,126.5
Total non-conventional water resources (MCM)	1,095.0
Quantity of treated wastewater (MCM)	243.1
Total amount of waste generated (tons)	10,336,635
Daily average of waste generated (tons)	28,320

## 6.1. Agriculture

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 the GDP, in addition to being the main supplier of food commodities and raw materials for many of the food industry in the Emirate.

From this point of view, there must be an agricultural database relying on documented numbers and statistics. Attaining advanced degrees of growth cannot be achieved without development plans and programs that contain specific goals and strategies; any given country cannot take the initiative to implement its different plans without accurate and reliable statistical data.

The Statistical Yearbook includes data on the numbers of farms, size of agricultural area, indicators of crop area and agricultural production quantities and values. The number of agricultural holdings in the Emirate of Abu Dhabi totaled 24,394 holdings, with a total area of 752,839 donums, of which 87% were used for agriculture purposes.

The total number of sheep and goats in the Emirate of Abu Dhabi totaled 2.4 million heads, with the majority of them (63%) in Al Ain Region area. Meanwhile, the total number of camels equaled 277,577 heads, mostly in Al Ain Region area (59%).

### *Plant production*

Plant production statistics provide data on the changes taking place in this activity, which vary from one season to another. The area cultivated with fruits in 2011 forms 45% of the total cultivated area, followed by the area cultivated with field crops at 28%, and finally the area cultivated with vegetable crops at 2% of the total cultivated 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.

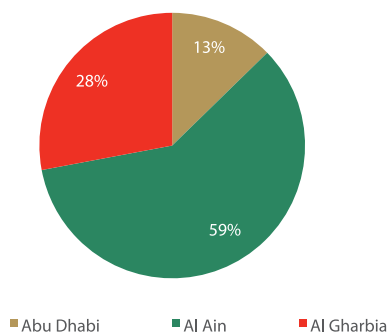
### 6.1.1. Number and Area of Plant Holdings by Region

(Donums)

Region	2005	2009	2010	2011
<b>Total Emirate</b>				
Number	23,704	24,097	24,290	24,394
Area	739,686	737,957	747,679	752,839
<b>Abu Dhabi Region</b>				
Number	4,793	3,814	3,837	3,837
Area	111,452	94,380	95,483	95,483
<b>Al Ain Region</b>				
Number	11,529	11,782	11,894	11,985
Area	438,820	436,656	441,637	446,898
<b>Al Gharbia</b>				
Number	7,382	8,501	8,559	8,572
Area	189,414	206,921	210,559	210,458

Source: Abu Dhabi Food Control Authority

Figure 6.1.1. Percentage Distribution of Plant Holdings Area by Region, 2011



Source: Statistics Centre - Abu Dhabi

### 6.1.2. Number of Farms by Area Category and Region, 2011

Area category	Total	Abu Dhabi Region	Al Ain Region	Al Gharbia
<b>Total</b>	<b>24,394</b>	<b>3,837</b>	<b>11,985</b>	<b>8,572</b>
Less than 20 Donum	3,738	722	537	2,479
20-29 Donum	6,413	2,941	1,130	2,342
30 - 39 Donum	10,898	87	9,612	1,199
40 - 49 Donum	2,757	55	231	2,471
50 -59 Donum	163	13	120	30
More than 60 Donum	425	19	355	51

**Source:** Abu Dhabi Food Control Authority

### 6.1.3. Area of Farms by Area Category and Region, 2011

(Donums)

Area category	Total	Abu Dhabi Region	Al Ain Region	Al Gharbia
<b>Total</b>	<b>752,839</b>	<b>95,483</b>	<b>446,898</b>	<b>210,458</b>
Less than 20 Donum	42,176	9,721	8,109	24,346
20-29 Donum	155,347	76,544	27,525	51,278
30 - 39 Donum	356,985	2,931	323,088	30,966
40 - 49 Donum	110,068	2,308	9,870	97,890
50 -59 Donum	8,740	699	6,365	1,676
More than 60 Donum	79,523	3,280	71,941	4,302

**Source:** Abu Dhabi Food Control Authority

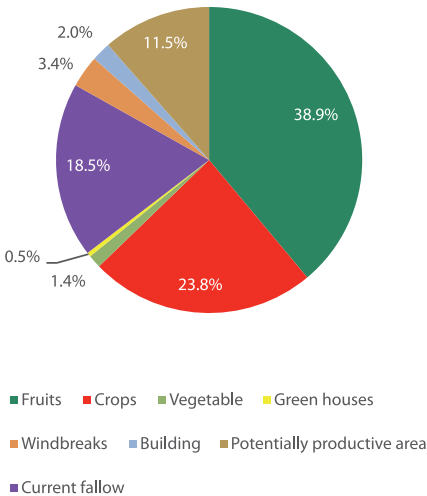
### 6.1.4. Area of Plant Holdings by Land Use and Region, 2011

(Donums)

Item	Total	Abu Dhabi Region	Al Ain Region	Al Gharbia
<b>Total area of holdings</b>	<b>752,839</b>	<b>95,483</b>	<b>446,898</b>	<b>210,458</b>
Fruits	293,022	27,183	187,557	78,282
Crops	179,513	29,684	120,757	29,072
Vegetable	10,500	3,420	3,598	3,482
Green houses	3,375	325	1,954	1,096
Current fallow	139,404	11,478	72,024	55,902
Windbreaks	25,460	6,260	8,340	10,860
Building	15,306	4,026	6,911	4,370
Potentially productive area	86,260	13,108	45,757	27,395

Source: Abu Dhabi Food Control Authority

**Figure 6.1.2. Percentage Distribution of Plant Holdings Area by Land Use, 2011**



Source: Statistics Centre - Abu Dhabi

### 6.1.5. Area Cultivated With Field Crops by Region

(Donums)

Region	2005	2009	2010	2011
<b>Total Emirate</b>	<b>200,541</b>	<b>232,143</b>	<b>231,919</b>	<b>179,513</b>
Abu Dhabi Region	27,310	29,470	33,708	29,684
Al Ain Region	118,682	139,048	134,734	120,757
Al Gharbia	54,549	63,625	63,477	29,072

**Source:** Abu Dhabi Food Control Authority

### 6.1.6. Quantity of Production of Field Crops by Region

(Tons)

Region	2005	2009	2010	2011
<b>Total Emirate</b>	<b>1,329,889</b>	<b>1,206,638</b>	<b>1,041,325</b>	<b>1,503,841</b>
Abu Dhabi Region	210,578	165,466	153,663	220,486
Al Ain Region	758,609	683,936	667,801	965,049
Al Gharbia	360,702	357,236	219,861	318,306

**Source:** Abu Dhabi Food Control Authority

### 6.1.7. Value of Field Crops by Region

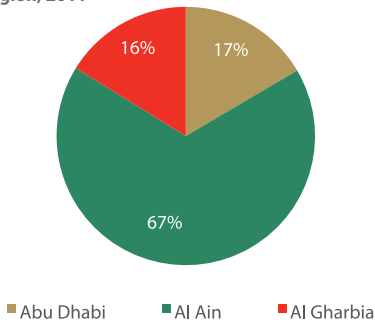
(Thousand AED)

Region	2005	2009	2010	2011
<b>Total Emirate</b>	<b>2,123,580</b>	<b>1,990,953</b>	<b>1,699,723</b>	<b>2,183,570</b>
Abu Dhabi Region	338,036	273,019	250,819	324,340
Al Ain Region	1,204,466	1,128,495	1,090,031	1,414,382
Al Gharbia	581,078	589,439	358,873	444,848

**Source:** Abu Dhabi Food Control Authority



**Figure 6.1.3. Percentage Distribution of Area Cultivated With Field Crops by Region, 2011**



Source: Statistics Centre - Abu Dhabi

**6.1.8. Quantity of Production, Cultivated Area, and Average Yield of Vegetables by Type, 2011**

Type	Production (Tons)	Cultivated area (Donums)	Average yield (Tons/Domum)
Tomato	30,511.0	7,396	4.13
Pepper	127.5	180	0.71
Cucumber	52.2	1,072	0.05
Marrow	118.6	701	0.17
Watermelon	22.5	29	0.78
Sweet Melon	8.8	70	0.13
Onion	2,451.3	2,447	1.00
Eggplant	391.5	196	2.00
Cauliflower	92.3	93	0.99
B. Bean	4.7	8	0.59
Cabbage	1,599.1	768	2.08
J.Mallow	18.2	30	0.61
Beets	33.9	71	0.48
Corn	163.6	158	1.04
Turnip	2.1	3	0.70
Carrot	42.9	51	0.84
Beans	360.0	468	0.77
Other vegetables	29.4	134	

Source: Abu Dhabi Food Control Authority

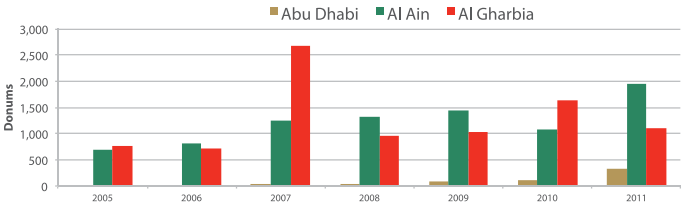
### 6.1.9. Number and Area of Greenhouses by Region

(Donums)

Region	2005	2009	2010	2011
<b>Total Emirates</b>				
Number	4,514	7,683	8,363	10,003
Area	1,473	2,554	2,825	3,375
<b>Abu Dhabi Region</b>				
Number	54	191	243	720
Area	22	87	113	325
<b>Al Ain Region</b>				
Number	2,141	4,313	3,268	5,832
Area	693	1,443	1,080	1,954
<b>Al Gharbia</b>				
Number	2,319	3,179	4,852	3,451
Area	758	1,025	1,632	1,096

Source: Abu Dhabi Food Control Authority

Figure 6.1.4. Area of Greenhouses by Region



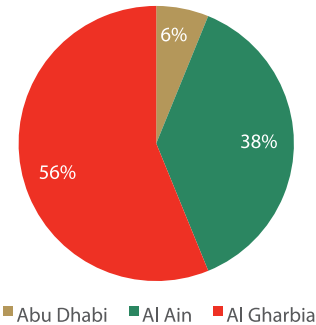
Source: Abu Dhabi Food Control Authority

6.1.10. Number of Productive Greenhouses by Region

Region	2010	2011
Total Emirate	4,864	5,633
Abu Dhabi Region	160	347
Al Ain Region	1,699	2,122
Al Gharbia	3,005	3,164

Source: Abu Dhabi Food Control Authority

Figure 6.1.5. Percentage Distribution of The Number of Productive Greenhouse by Region, 2011



Source: Abu Dhabi Food Control Authority

### 6.1.11. Number and Area of Fruit Trees by Type

(Donums)

Fruit trees*	2010		2011	
	Number	Area	Number	Area
<b>Total</b>	<b>96,134</b>	<b>2,817</b>	<b>181,642</b>	<b>5,524</b>
Lemon	33,459	941	33,649	982
Orange	9,176	275	9,240	273
Mango	11,870	378	11,908	384
Pomegranate	4,989	118	5,127	152
Figs	14,485	315	14,627	354
Guavas	5,728	144	5,721	158
Grapes	1,516	42	5,341	183
Mulberry	1,950	65	1,972	68
Almonds	1,139	40	1,116	103
Banana	1,555	52	1,540	47
Cider	10,124	442	91,249	2,815
Others	143	5	152	5

**Source:** Abu Dhabi Food Control Authority

\* Excluding date palms

### 6.1.12. Number and Area of Fruit Trees by Type - Abu Dhabi

(Donums)

Fruit trees*	2010		2011	
	Number	Area	Number	Area
<b>Total</b>	<b>3,750</b>	<b>104</b>	<b>54,875</b>	<b>1,344</b>
Lemon	2,000	75	3,000	75
Orange	250	6	250	6
Mango	500	12	500	12
Pomegranate	300	8	300	8
Figs	300	2	300	2
Guavas	400	1	400	1
Grapes	0	0	0	0
Mulberry	0	0	0	0
Almonds	0	0	0	0
Banana	0	0	0	0
Cider	0	0	50,125	1,240
Others	0	0	0	0

**Source:** Abu Dhabi Food Control Authority

\* Excluding date palms

### 6.1.13. Number and Area of Fruit Trees by Type - Al Ain

(Donums)

Fruit trees*	2010		2011	
	Number	Area	Number	Area
<b>Total</b>	<b>52,673</b>	<b>1,749</b>	<b>69,666</b>	<b>2,386</b>
Lemon	19,241	640	19,259	643
Orange	7,136	240	7,200	237
Mango	10,431	347	10,446	348
Pomegranate	2,528	86	2,613	87
Figs	3,929	129	3,958	131
Guavas	3,105	103	3,072	103
Grapes	1,516	42	5,341	183
Mulberry	1,950	65	1,972	68
Almonds	1,139	40	1,116	103
Banana	1,555	52	1,540	47
Ziziphus	0	0	12,997	431
Others	143	5	152	5

Source: Abu Dhabi Food Control Authority

\* Excluding date palms

### 6.1.14. Number and Area of Fruit Trees by Type - Al Gharbia

(Donums)

Fruit trees*	2010		2011	
	Number	Area	Number	Area
<b>Total</b>	<b>39,711</b>	<b>964</b>	<b>57,101</b>	<b>1,794</b>
Lemon	12,218	226	11,390	264
Orange	1,790	29	1,790	30
Mango	939	19	962	24
Pomegranate	2,161	24	2,214	57
Figs	10,256	184	10,369	221
Guavas	2,223	40	2,249	54
Grapes	0	0	0	0
Mulberry	0	0	0	0
Almonds	0	0	0	0
Banana	0	0	0	0
Ziziphus	10,124	442	28,127	1,144
Others	0	0	0	0

Source: Abu Dhabi Food Control Authority

\* Excluding date palms

#### 6.1.15. Quantity of Dates Produced by Region

(Tons)

Region	2008	2009	2010	2011
<b>Total Emirate</b>	<b>65,657</b>	<b>62,594</b>	<b>72,900</b>	<b>76,980</b>
Abu Dhabi Region	2,675	2,632	5,175	5,705
Al Ain Region	39,358	35,329	45,660	46,955
Al Gharbia	23,625	24,633	22,065	24,320

**Source:** Al Foah Company

#### 6.1.16. Value of Dates Produced by Region

(Thousand AED)

Region	2008	2009	2010	2011
<b>Total Emirate</b>	<b>389,317</b>	<b>428,532</b>	<b>439,873</b>	<b>516,369</b>
Abu Dhabi Region	11,750	13,724	33,109	41,319
Al Ain Region	236,273	233,507	265,596	298,908
Al Gharbia	141,294	181,301	141,168	176,142

**Source:** Al Foah Company

#### 6.1.17. Number and Area of Windbreak Trees by Region, 2011

(Donums)

Region	Number	Area
<b>Total Emirate</b>	<b>1,011,190</b>	<b>25,460</b>
Abu Dhabi Region	252,500	6,260
Al Ain Region	328,637	8,340
Al Gharbia	430,053	10,860

**Source:** Abu Dhabi Food Control Authority

### 6.1.18. Quantity And Value of Agricultural Products Supplied to The Agriculture Marketing Centre

(Quantity in tons, value in thousand AED)

Product	2010		2011	
	Quantity	Value	Quantity	Value
<b>Total</b>	<b>1,054,941.3</b>	<b>1,722,949.0</b>	<b>3,092,841.7</b>	<b>6,491,425.4</b>
Tomato	9,112.6	12,804.6	30,511.0	46,289.6
Pepper	47.6	101.0	127.5	221.6
Cucumber	214.8	424.4	52.2	111.3
Marrow	87.1	157.1	118.6	221.5
Watermelon	54.4	70.5	22.5	29.6
Sweet melon	7.7	11.4	8.8	14.0
Onion	622.1	1,621.0	2,451.3	7,404.4
Cowpeas	0.1	0.5	0.0	0.0
Cucumber	0.0	0.0	0.0	0.0
Beans	104.8	521.4	360.1	1,795.9
Peas	0.4	2.1	1.7	9.1
Eggplant	32.0	29.2	391.5	381.9
Rocket	1.0	0.5	0.0	0.0
Cauliflower	20.8	29.0	92.3	129.1
Bean	0.2	1.1	4.7	26.8
Cabbage	1,807.2	1,803.1	1,599.1	1,597.6
Lettuce	1.8	3.3	0.0	0.0
Spinach	0.0	0.0	0.0	0.0
Mallow	14.5	14.5	18.2	22.8
Coriander	0.6	0.6	2.5	2.3
Beets	53.6	48.1	33.9	32.2
Parsley	7.6	11.0	24.2	35.5
Potato	0.0	0.0	1.0	4.2
Corn	1,417.2	5,561.0	163.6	545.7
Turnip	3.5	4.2	2.1	2.4
Carrot	4.8	6.3	42.9	47.9
Grass/Hay (Live-stock fed)	1,041,325.0	1,699,723.0	3,056,812.0	6,432,500.0

**Source:** Abu Dhabi Food Control Authority

### 6.1.19. Agriculture Producers Price Index

(2005 = 100)

Crop	2008	2009	2010	2011
<b>All Products</b>	<b>95.2</b>	<b>104.8</b>	<b>103.5</b>	<b>104.6</b>
Tomato	95.2	97.3	94.7	102.3
Pepper	74.8	115.3	74.8	61.2
Cucumber	101.8	100.9	100.2	108.1
Marrow	100.2	98.5	93.1	96.4
Cucumber	-	89.2	-	-
Watermelon	119.9	99.5	100.3	101.8
Sweet melon	102.1	99.5	104.4	110.8
Onion	113.6	108.9	108.2	125.5
Cowpeas	100.9	110.0	100.0	-
Beans	100.6	100.3	100.5	100.8
Peas	101.2	100.9	100.5	105.1
Eggplant	97.7	101.0	96.5	103.2
Cauliflower	97.5	102.7	103.7	104.1
Bean	99.4	98.5	100.0	115.0
Cabbage	86.7	104.9	105.3	105.5
Lettuce	104.4	107.6	129.3	-
Spinach	82.4	100.0	-	-
Mallow	115.9	107.7	110.0	137.5
Coriander	105.1	94.9	104.4	93.9
Beets	93.6	89.8	89.7	95.0
Parsley	101.1	103.0	102.4	104.1
Potato	107.2	111.2	-	105.2
Corn	112.4	108.9	114.6	105.5
Turnip	97.2	100.0	100.0	95.8
Carrot	111.6	101.9	96.3	80.7
Rocket	-	106.0	105.5	-

**Source:** Statistics Centre - Abu Dhabi



### 6.1.20. Quantity of Pesticides Used by Type and Region, 2011

Item	Abu Dhabi Region	Al Ain Region	Al Gharbia	Total
<b>Insecticides</b>				
Liter	58	162,679	1,713	164,450
Kilogram	621	307	23	951
<b>Fungicides</b>				
Liter	0	0	0	0
Kilogram	262	55,193	86	55,541
<b>Acaroids</b>				
Liter	0	53,103	3,032	56,135
Kilogram	0	72	24	96
<b>Phostoxin</b>				
Number	0	0	0	0
Kilogram	0	1,823	482	2,305
<b>Pheromones (Number)</b>	<b>26,643</b>	<b>151,474</b>	<b>110,571</b>	<b>288,688</b>
<b>Others</b>				
Liter	0	6,307	3	6,310
Kilogram	0	588	0	588

Source: Abu Dhabi Food Control Authority

### 6.1.21. Total loans Given to the Farmers in Agricultural Sector by Region

(Thousand AED)

Region	2005	2009	2010	2011
<b>Total Emirate*</b>	<b>46,509.0</b>	<b>25,755.1</b>	<b>26,718.8</b>	<b>18,487.9</b>
Abu Dhabi Region and Al Gharbia	5,688.7	4,280.3	4,966.9	51.8
Al Ain Region	40,820.3	21,474.8	21,751.9	18,436.1

Source: Abu Dhabi Food Control Authority

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

# Livestock and fisheries

Livestock is deemed to be a key activity to economic development in the Emirate of Abu Dhabi; hence it is 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.

Sheep and goats in the Emirate of Abu Dhabi represented around 87% of the total number of livestock, followed by camels at 11% and cows at 2%.

Coastlines are considered a significant source to meet the population's need for fish, which is the basic food for inhabitants of coastal areas. Fisheries are one of the important renewable economic resources and essential source of national income.

## 6.1.22. Number of livestock by Type

Type	2005	2009	2010	2011
Total	2,078,608	2,726,671	2,357,065	2,397,892
Sheep and goats	1,761,713	2,305,603	2,041,902	2,080,623
Cattle*	30,630	42,992	39,778	39,692
Camels	286,265	378,076	275,385	277,577

Source: Abu Dhabi Food Control Authority

\* Excludes cattle in commercial farms

## 6.1.23. Number of livestock by Type - Abu Dhabi Region

Type	2005	2009	2010	2011
Total	306,141	570,437	387,379	429,110
Sheep and goats	253,145	473,193	340,699	379,883
Cattle*	5,125	11,799	3,764	3,948
Camels	47,871	85,445	42,916	45,279

Source: Abu Dhabi Food Control Authority

\* Excludes cattle in commercial farms

#### 6.1.24. Number of livestock by Type - Al Ain Region

Type	2005	2009	2010	2011
<b>Total</b>	<b>1,429,327</b>	<b>1,667,948</b>	<b>1,516,657</b>	<b>1,507,623</b>
Sheep and goats	1,255,408	1,443,121	1,316,938	1,308,974
Cattle*	15,800	22,000	34,911	34,640
Camels	158,119	202,827	164,808	164,009

**Source:** Abu Dhabi Food Control Authority

\* Excludes cattle in commercial farms

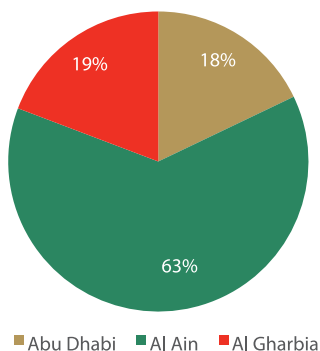
#### 6.1.25. Number of livestock by Type - Al Gharbia

Type	2005	2009	2010	2011
<b>Total</b>	<b>343,140</b>	<b>488,286</b>	<b>453,029</b>	<b>461,159</b>
Sheep and goats	253,160	389,289	384,265	391,766
Cattle*	9,705	9,193	1,103	1,104
Camels	80,275	89,804	67,661	68,289

**Source:** Abu Dhabi Food Control Authority

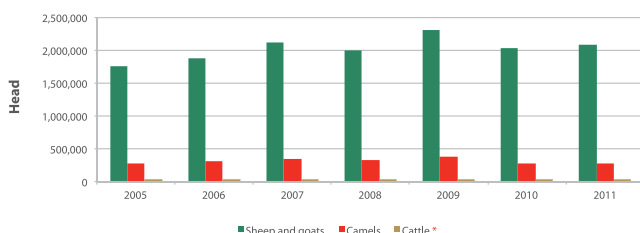
\* Excludes cattle in commercial farms

**Figure 6.1.6. Percentage Distribution of Number of livestock by Region, 2011**



**Source:** Statistics Centre - Abu Dhabi

**Figure 6.1.7. Number of livestock by type**



**Source:** Statistics Centre - Abu Dhabi

\* Excludes cattle in commercial farms

#### 6.1.26. Number of Animal Holdings by Region

(Thousand AED)

Region	2010	2011
<b>Total</b>	<b>17,963</b>	<b>19,030</b>
Abu Dhabi Region	3,659	3,971
Al Ain Region	10,692	11,381
Al Gharbia Region	3,612	3,678

**Source:** Abu Dhabi Food Control Authority

#### 6.1.27. Number of Slaughtered Animals by Type

Type	2009	2010	2011
<b>Total</b>	<b>788,976</b>	<b>706,266</b>	<b>716,982</b>
Sheep and goats	763,809	671,783	679,128
Cattle	9,175	13,942	13,788
Camels	15,992	20,541	24,066

**Source:** Department of Municipal Affairs - Abu Dhabi

#### 6.1.28. Quantity of Meat Produced From Slaughter by Type

(Tons)

Type	2009	2010	2011
<b>Total</b>	<b>12,440</b>	<b>14,669</b>	<b>12,982</b>
Sheep and goats	7,866	9,937	6,879
Cattle	1,376	2,465	2,853
Camels	3,198	2,267	3,250

**Source:** Department of Municipal Affairs - Abu Dhabi

### 6.1.29. Value of Meat Produced from Slaughter by Type

(Thousand AED)

Type	2009	2010	2011
<b>Total</b>	<b>511,580</b>	<b>473,000</b>	<b>609,758</b>
Sheep and goats	335,092	331,000	396,828
Cattle	35,776	74,000	49,346
Camels	140,712	68,000	163,585

**Source:** Department of Municipal Affairs - Abu Dhabi

### 6.1.30. Number of Commercial Farms by Type of Farm

Type	2008	2009	2010	2011
<b>Total</b>	<b>31</b>	<b>25</b>	<b>25</b>	<b>25</b>
Broiler farms	9	7	8	8
Layer farms	4	3	4	4
Cattle farms	18	15	13	13

**Source:** Abu Dhabi Food Control Authority

### 6.1.31. Quantity of Production in Commercial Farms by Type

Type	Unit	2009	2010	2011
Chicken meat	(Tons)	13,228	15,225	17,350
Table eggs	(1000 Egg)	155,648	127,013	150,541
Cattle milk	(Tons)	75,807	66,086	70,975

**Source:** Abu Dhabi Food Control Authority

### 6.1.32. Quantity and Value of Fish Caught by Major Fish Families

(Quantity in tons, value in million AED)

Fish Families	2010		2011	
	Quantity	Value	Quantity	Value
<b>Total</b>	<b>6,556</b>	<b>127.0</b>	<b>3,922</b>	<b>69.4</b>
Carangidae	1,059	14.5	557	8.1
Haemulidae	684	4.0	379	2.6
Lethrinidae	948	13.9	839	12.8
Lutjanidae	133	1.9	36	0.2
Portunidae	76	1.3	85	1.6
Scombridae	1,618	45.7	780	13.1
Serranidae	1,064	35.8	825	26.4
Sparidae	121	1.6	80	0.8
Others	853	8.3	341	3.9

**Source:** Environment Agency - Abu Dhabi

### 6.1.33. Quantity of Fish Caught by Month

(Tons)

Month	2008	2009	2010	2011
<b>Total</b>	<b>5,363</b>	<b>5,979</b>	<b>6,556</b>	<b>3,922</b>
Jan	596	681	1,387	380
Feb	444	543	691	408
Mar	684	524	471	302
Apr	492	444	604	436
May	414	532	514	380
Jun	269	395	251	303
Jul	239	196	212	238
Aug	284	250	173	128
Sep	191	194	199	175
Oct	456	431	418	298
Nov	813	540	759	395
Dec	481	1,249	876	481

**Source:** Environment Agency - Abu Dhabi

#### 6.1.34. Number of Animals Treated at Veterinary Clinics by Region

Region	2008	2009	2010	2011
<b>Total Emirate</b>	<b>3,102,291</b>	<b>2,714,613</b>	<b>1,127,777</b>	<b>1,133,637</b>
Abu Dhabi Region and Al Gharbia	1,166,816	1,132,559	530,499	453,172
Al Ain Region	1,935,475	1,582,054	597,278	680,465

**Source:** Abu Dhabi Food Control Authority

#### 6.1.35. Number of Cases vaccinated by Type of Animal and Region, 2011

Type of Animal	Total Emirate	Abu Dhabi Region	Al Ain Region	Al Gharbia
<b>Total</b>	<b>6,428,620</b>	<b>1,253,445</b>	<b>3,737,913</b>	<b>1,437,262</b>
Sheep	3,276,989	650,737	1,821,812	804,440
Goats	3,116,999	600,732	1,884,173	632,094
Cattle	34,632	1,976	31,928	728

**Source:** Abu Dhabi Food Control Authority

#### 6.1.36. Number of Incidence of Poultry Diseases by Region

Region	2005	2009	2010	2011
<b>Total</b>	<b>201,992</b>	<b>743,469</b>	<b>124,613</b>	<b>98,817</b>
Abu Dhabi Region and Al Gharbia	175,365	97,601	74,017	54,341
Al Ain Region	26,627	645,868	50,596	44,476

**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.

## 6.1.37. Value of the Emirate of Abu Dhabi Imports of Agricultural Goods and Foods

(Thousand AED)

Item	2005	2009	2010	2011
<b>Total</b>	<b>3,317,479</b>	<b>6,395,953</b>	<b>6,705,979</b>	<b>8,275,498</b>
Live animals and their products	980,136	1,784,291	1,891,753	2,186,142
Vegetable products	1,257,529	2,869,276	2,816,473	3,635,564
Animals or vegetable fats, oils and waxes	182,638	268,108	328,253	509,402
Foodstuffs, beverages, spirits and tobacco	812,332	1,408,733	1,581,916	1,859,382
Fertilizers	61,320	38,648	52,728	55,944
Pesticides and rodents, fungi, weeds	23,524	26,898	34,857	29,064

Source: Statistics Centre - Abu Dhabi

## 6.1.38. Value of the Emirate of Abu Dhabi Exports of Agricultural Goods and Foods

(Thousand AED)

Item	2005	2009	2010	2011
<b>Total</b>	<b>293,298</b>	<b>447,497</b>	<b>561,997</b>	<b>584,835</b>
Live animals and their products	48,647	107,913	112,270	94,626
Vegetable products	34,120	37,667	60,009	64,565
Animals or vegetable fats, oils and waxes	125,751	107,554	154,475	175,404
Foodstuffs, beverages, spirits and tobacco	47,761	143,326	181,108	188,735
Fertilizers	37,020	51,036	53,929	61,426
Pesticides and rodents, fungi, weeds	0	0	205	81

Source: Statistics Centre - Abu Dhabi



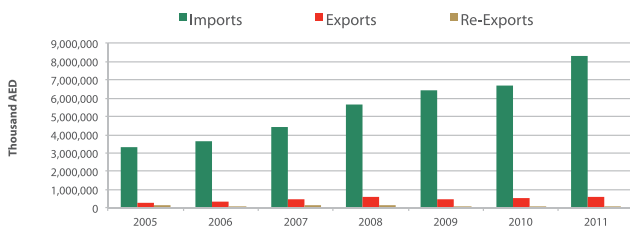
### 6.1.39. Value Of Re-Exports of Agricultural Goods and Foods Through The Ports of The Emirate of Abu Dhabi

(Thousand AED)

Item	2005	2009	2010	2011
<b>Total</b>	<b>163,206</b>	<b>91,691</b>	<b>115,902</b>	<b>116,382</b>
Live animals and their products	37,679	32,854	20,673	24,552
Vegetable products	45,012	18,965	64,978	59,342
Animals or vegetable fats, oils and waxes	27,766	9,655	1,106	1,581
Foodstuffs, beverages, spirits and tobacco	50,855	29,004	28,416	29,383
Fertilizers	682	948	630	1,334
Pesticides and rodents, fungi, weeds	1,213	264	98	190

Source: Statistics Centre - Abu Dhabi

Figure 6.1.8. Value Of Import, Export and Re-Exports of Agricultural Goods and Foods Through The Ports of The Emirate of Abu Dhabi



Source: Statistics Centre - Abu Dhabi

6.1.40. Quantity and Value of Imports, Exports And Re-Exports of Agricultural Fertilizers Through The Ports of The Emirate of Abu Dhabi

(Quantity in tons, value in thousand AED)

Description	2005	2009	2010	2011
Imports				
Quantity	85,897	18,690	24,707	24,472
Value	61,320	38,648	52,728	55,944
Exports				
Quantity	18,805	19,138	18,935	18,692
Value	37,020	51,036	53,929	61,425
Re-Exports				
Quantity	310	103	300	403
Value	682	948	630	1,334

Source: Statistics Centre - Abu Dhabi

## **6.2. Environment**

The Emirate of Abu Dhabi is concerned about achieving notable developments in the fields of environmental protection and conservation of natural resources. Environmental statistics provide information and statistics about the impact of development and change in key environmental elements, such as climate, air, water and waste management.

In 2011, the average minimum temperature of the Abu Dhabi Emirate was 22.5 °C while the average maximum temperature was 34.0 °C. Average annual rainfall decreased from 23.2 mm in 2010 to 21.5 mm in 2011. Average minimum relative humidity was 30.7% while average maximum relative humidity was 78.4%. Average atmospheric pressure was 1,008.2 hPa and the maximum daily solar radiation exceeded 8,000 Watt /m<sup>2</sup>/h during the summer months.

Regarding air quality, the concentrations of air pollutants in 2011 were within their permissible limits. Annual average concentration of particulate matter, with a diameter of 10 micron or less, ranged between 137 and 203 mcg/m<sup>3</sup> in the urban areas of the Emirate.

The quantity of treated wastewater in 2011 reached 243.1 MCM where Abu Dhabi Region's share accounted for about 74% of the quantity of treated wastewater, and Al Gharbia's share did not exceed 4% of the total. The average withdrawal of groundwater decreased by 1.5% and reached 2,217.9 MCM.

In 2011, there were 71 cases of fatal occupational incidents and 12 fatal occupational road incidents in the Emirate of Abu Dhabi. There were 1,356 cases of foodborne illnesses and food poisoning caused by consuming foods or drinks contaminated with bacteria and viruses.

Regarding waste statistics, the Emirate of Abu Dhabi generated more than 28.3 thousand tons of waste per day in 2011, which adds up to approximately 10.3 million tons annually. Construction and demolition waste constituted the highest percentage with 74% 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 cost 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 kilometres, 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 kilometres coastline.

The topography of the Emirate is dominated by low-lying sandy terrain dotted with sand dunes exceeding 300 metres 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 metres, is located south of Al Ain city.

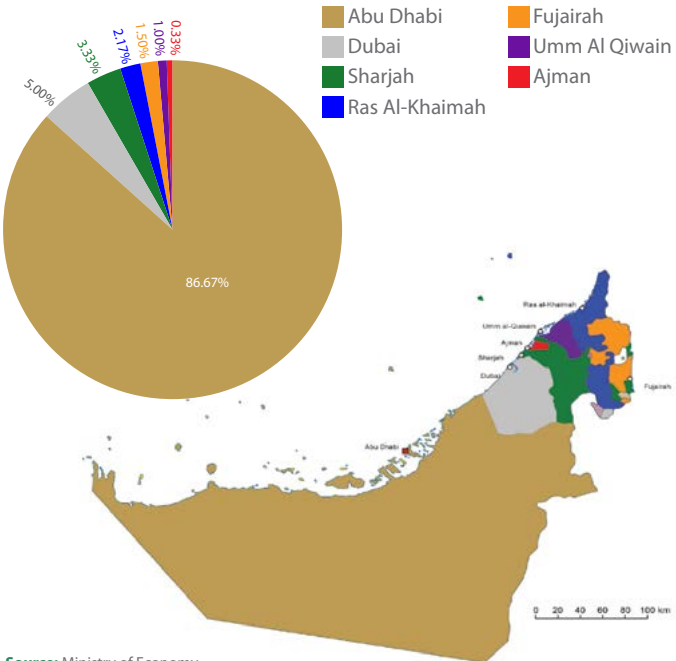
### 6.2.1 Area\* of the United Arab Emirates

Emirate	Sq. mile	Sq. kilometre	%
<b>Total</b>	<b>30,000.14</b>	<b>77,700</b>	<b>100</b>
Abu Dhabi	26,000.12	67,340	86.67
Dubai	1,500.01	3,885	5.00
Sharjah	1,000.00	2,590	3.33
Ras Al-Khaimah	650.20	1,684	2.17
Fujairah	449.81	1,165	1.50
Umm Al Qiwain	300.00	777	1.00
Ajman	100.00	259	0.33

Source: Ministry of Economy

\* Excluding islands

Figure 6.2.1. Area\* of the United Arab Emirates



Source: Ministry of Economy

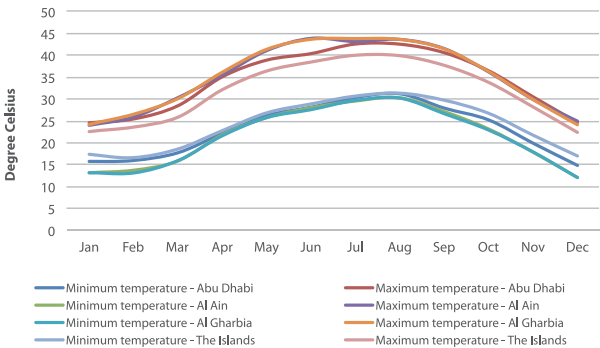
\* Excluding islands

# 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 characterised 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.

**Figure 6.2.2. Average maximum and minimum air temperature by month and region, 2011**



**Source:** National Centre for Meteorology and Seismology

### 6.2.2. Air Air Temperature by Month - Abu Dhabi , 2011

(Degree Celsius)

Month	Absolute minimum	Average minimum	Absolute maximum	Average maximum
January	6.7	15.7	30.3	24.6
February	8.9	16.0	34.8	25.5
March	9.5	17.7	39.5	28.5
April	14.2	22.2	41.3	35.1
May	18.5	26.2	46.9	38.9
June	23.2	28.1	48.3	40.4
July	25.3	30.4	49.0	42.6
August	26.0	31.2	48.9	42.5
September	20.0	27.9	45.4	40.6
October	15.6	25.2	42.9	36.5
November	11.4	19.9	36.1	30.5
December	6.2	14.8	28.0	24.7

**Source:** National Centre for Meteorology and Seismology

### 6.2.3. Air Temperature by Month - Al Ain, 2011

(Degree Celsius)

Month	Absolute minimum	Average minimum	Absolute maximum	Average maximum
January	6.0	13.2	30.8	24.0
February	5.9	13.7	37.6	25.9
March	7.6	15.9	39.0	30.3
April	13.8	21.8	41.9	35.5
May	17.6	25.8	48.9	41.1
June	20.2	28.0	49.7	43.9
July	18.7	29.6	48.9	43.1
August	22.4	30.3	49.1	43.6
September	22.2	27.1	46.3	41.5
October	17.5	23.2	43.5	36.2
November	12.4	17.9	37.4	29.9
December	6.0	12.1	30.4	25.0

**Source:** National Centre for Meteorology and Seismology

#### 6.2.4. Air Air Temperature by Month - Al Gharbia , 2011

(Degree Celsius)

Month	Absolute minimum	Average minimum	Absolute maximum	Average maximum
January	5.6	13.2	31.8	24.3
February	5.0	13.1	37.3	26.5
March	9.0	15.9	40.8	30.1
April	15.5	21.6	41.8	36.1
May	17.8	25.8	48.6	41.4
June	23.2	27.6	49.1	43.7
July	24.6	29.7	49.4	43.8
August	25.3	30.2	49.9	43.6
September	21.4	26.7	46.4	41.5
October	15.4	22.9	43.4	36.3
November	9.8	17.9	36.1	29.9
December	4.2	12.1	28.7	24.1

**Source:** National Centre for Meteorology and Seismology

#### 6.2.5. Air Air Temperature by Month - The Islands, 2011

(Degree Celsius)

Month	Absolute minimum	Average minimum	Absolute maximum	Average maximum
January	12.2	17.3	30.8	22.7
February	10.9	16.6	35.6	23.6
March	11.2	18.6	37.6	25.9
April	16.3	22.8	42.2	32.2
May	20.0	26.9	48.1	36.4
June	24.1	28.9	45.4	38.5
July	25.4	30.7	47.2	40.0
August	25.7	31.3	47.8	39.9
September	22.2	29.7	43.0	37.7
October	20.2	26.7	40.0	33.8
November	13.9	21.8	35.0	28.2
December	8.4	17.0	25.7	22.4

**Source:** National Centre for Meteorology and Seismology

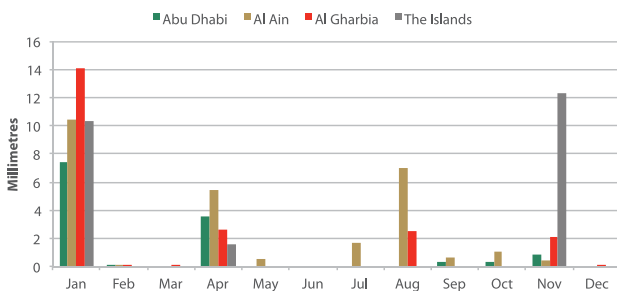
## 6.2.6. Average Rainfall by Month and Region, 2011

(Millimetres)

Month	Abu Dhabi	Al Ain	Al Gharbia	The Islands
January	7.4	10.4	14.1	10.4
February	Trace	Trace	Trace	0.0
March	0.0	0.0	Trace	0.0
April	3.6	5.4	2.7	1.6
May	0.0	0.5	0.0	0.0
June	0.0	0.0	0.0	0.0
July	0.0	1.7	0.0	0.0
August	0.0	7.0	2.6	0.0
September	0.4	0.7	0.0	0.0
October	0.4	1.1	0.0	0.0
November	0.8	0.5	2.1	12.4
December	0.0	0.0	Trace	0.0

**Source:** National Centre for Meteorology and Seismology

**Figure 6.2.3. Average Rainfall by Month and Region, 2011**



**Source:** National Centre for Meteorology and Seismology



### 6.2.7. Rainfall in Abu Dhabi and Al Ain by Month, 2011

(Millimetres)

Month	Abu Dhabi		Al Ain	
	Heaviest fall in one day	Total for month	Heaviest fall in one day	Total for month
January	7.4	29.6	9.2	93.9
February	Trace	Trace	Trace	Trace
March	0.0	0.0	0.0	0.0
April	7.2	14.4	8.8	48.7
May	0.0	0.0	2.4	4.4
June	0.0	0.0	0.0	0.0
July	0.0	0.0	11.0	15.2
August	0.0	0.0	21.2	62.8
September	1.4	1.4	4.4	6.0
October	1.4	1.4	3.2	9.8
November	1.2	3.2	3.2	3.8
December	0.0	0.0	0.0	0.0

**Source:** National Centre for Meteorology and Seismology

### 6.2.8. Rainfall in Al Gharbia and The Islands by Month, 2011

(Millimetres)

Month	Al Gharbia		The Islands	
	Heaviest fall in one day	Total for month	Heaviest fall in one day	Total for month
January	41.0	84.4	16.6	41.4
February	Trace	Trace	0.0	0.0
March	0.6	1.0	0.0	0.0
April	7.0	16.0	1.8	6.5
May	0.0	0.0	0.0	0.0
June	0.0	0.0	0.0	0.0
July	0.0	0.0	0.0	0.0
August	10.2	15.4	0.0	0.0
September	0.0	0.0	0.0	0.0
October	0.0	0.0	0.0	0.0
November	4.2	12.4	32.6	49.4
December	Trace	Trace	0.0	0.0

**Source:** National Centre for Meteorology and Seismology

## 6.2.9. Average Atmospheric Pressure by Month and Region, 2011

(Hectopascal)

Month	Abu Dhabi Region	Al Ain Region	Al Gharbia	The Islands
January	1,016.0	1,016.3	1,016.5	1,017.5
February	1,013.3	1,013.4	1,014.1	1,014.9
March	1,013.4	1,013.3	1,014.1	1,014.8
April	1,009.0	1,009.3	1,009.5	1,009.4
May	1,005.1	1,004.8	1,005.8	1,006.1
June	998.0	998.2	998.7	999.3
July	996.8	997.5	997.1	997.9
August	997.3	997.6	997.6	998.2
September	1,002.4	1,002.6	1,002.8	1,003.4
October	1,010.1	1,010.5	1,010.8	1,011.2
November	1,013.8	1,013.8	1,014.5	1,015.0
December	1,017.5	1,017.6	1,018.7	1,019.5

**Source:** National Centre for Meteorology and Seismology

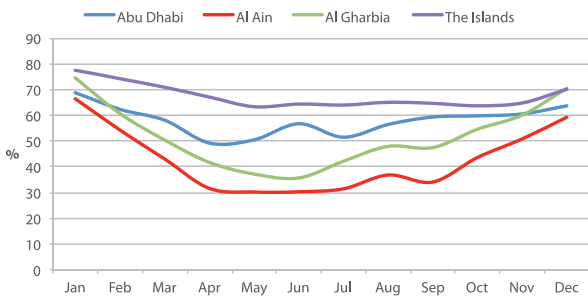
## 6.2.10. Average Relative Humidity by Month and Region, 2011

(%)

Month	Abu Dhabi	Al Ain	Al Gharbia	The Islands
January	68.8	66.4	74.4	77.6
February	62.3	54.2	60.6	74.2
March	58.1	43.0	50.4	70.9
April	49.2	31.6	41.7	67.1
May	50.5	30.2	37.2	63.3
June	56.7	30.3	35.7	64.4
July	51.5	31.5	42.2	64.0
August	56.5	36.8	47.9	65.1
September	59.3	34.1	47.5	64.6
October	59.8	43.6	54.6	63.7
November	60.5	50.8	60.1	64.8
December	63.7	59.3	70.5	70.1

**Source:** National Centre for Meteorology and Seismology

Figure 6.2.4. Average Relative Humidity by Month and Region, 2011



Source: National Centre for Meteorology and Seismology

6.2.11. Relative Humidity by Month - Abu Dhabi, 2011

(%)

Month	Monthly average	Average minimum	Average maximum
January	68.8	48.8	83.7
February	62.3	40.2	80.4
March	58.1	34.3	78.0
April	49.2	24.1	72.1
May	50.5	26.3	72.8
June	56.7	30.5	78.7
July	51.5	24.9	74.6
August	56.5	30.4	77.1
September	59.3	29.0	82.1
October	59.8	33.7	80.0
November	60.5	38.9	78.9
December	63.7	43.9	81.0

Source: National Centre for Meteorology and Seismology

### 6.2.12. Relative Humidity by Month - Al Ain, 2011

(%)

Month	Monthly Average	Average Minimum	Average Maximum
January	66.4	39.7	91.5
February	54.2	26.6	84.8
March	43.0	16.2	74.8
April	31.6	12.7	59.1
May	30.2	10.9	56.1
June	30.3	8.5	58.8
July	31.5	13.0	57.2
August	36.8	16.7	61.5
September	34.1	9.9	65.7
October	43.6	17.4	75.2
November	50.8	27.1	78.7
December	59.3	29.9	88.2

**Source:** National Centre for Meteorology and Seismology

### 6.2.13. Relative Humidity by Month - Al Gharbia, 2011

(%)

Month	Monthly Average	Average Minimum	Average Maximum
January	74.4	46.2	95.8
February	60.6	29.9	91.5
March	50.4	22.1	81.7
April	41.7	16.5	71.9
May	37.2	15.1	65.8
June	35.7	13.3	65.2
July	42.2	17.1	70.9
August	47.9	23.8	76.8
September	47.5	19.1	80.1
October	54.6	25.6	85.1
November	60.1	35.3	86.2
December	70.5	40.8	94.5

**Source:** National Centre for Meteorology and Seismology

#### 6.2.14. Relative Humidity by Month - The Islands, 2011

(%)

Month	Monthly Average	Average Minimum	Average Maximum
January	77.6	62.3	87.4
February	74.2	53.3	87.7
March	70.9	48.5	88.1
April	67.1	35.4	88.2
May	63.3	35.5	86.8
June	64.4	35.6	87.2
July	64.0	34.4	86.5
August	65.1	39.6	86.3
September	64.6	41.7	84.7
October	63.7	45.7	80.7
November	64.8	47.6	81.8
December	70.1	54.9	85.2

**Source:** National Centre for Meteorology and Seismology

#### 6.2.15. Average Wind Speed by Month and Region, 2011

(Knot\*)

Month	Abu Dhabi Region	AL Ain Region	Al Gharbia	The Islands
January	6.0	5.4	6.5	7.8
February	7.4	6.8	7.6	8.9
March	7.6	6.8	8.3	10.2
April	7.0	7.4	7.7	8.1
May	6.6	6.8	7.6	8.2
June	6.4	6.4	7.6	7.7
July	6.6	6.7	7.0	7.2
August	6.0	5.8	6.8	6.5
September	5.7	5.1	6.2	6.9
October	5.8	5.5	6.0	7.1
November	5.5	5.3	6.8	8.0
December	6.0	5.0	7.3	8.5

**Source:** National Centre for Meteorology and Seismology

\*Knot = 1.15 mph

### 6.2.16. Wind Speed by Month - Abu Dhabi , 2011

(Knot\*)

Month	Average	Absolute Maximum	Average Maximum
January	6.0	25.9	11.8
February	7.4	27.0	13.8
March	7.6	21.8	13.2
April	7.0	26.0	14.3
May	6.6	20.6	13.6
June	6.4	20.9	12.9
July	6.6	20.0	13.3
August	6.0	20.0	12.6
September	5.7	20.5	12.2
October	5.8	21.6	12.1
November	5.5	22.5	11.0
December	6.0	17.5	11.4

**Source:** National Centre for Meteorology and Seismology

\*Knot = 1.15 mph

### 6.2.17. Wind Speed by Month - Al Ain, 2011

(Knot\*)

Month	Average	Absolute Maximum	Average Maximum
January	5.4	35.8	11.8
February	6.8	38.6	14.3
March	6.8	30.2	13.9
April	7.4	38.3	15.6
May	6.8	35.6	15.8
June	6.4	36.7	14.6
July	6.7	35.7	14.9
August	5.8	31.0	13.7
September	5.1	29.6	12.6
October	5.5	29.1	12.7
November	5.3	25.4	11.0
December	5.0	26.9	10.5

**Source:** National Centre for Meteorology and Seismology

\*Knot = 1.15 mph

### 6.2.18. Wind Speed by Month - Al Gharbia, 2011

(Knot\*)

Month	Average	Absolute Maximum	Average Maximum
January	6.5	26.9	12.8
February	7.6	30.6	14.9
March	8.3	31.6	15.4
April	7.7	38.7	16.0
May	7.6	27.6	16.3
June	7.6	32.5	16.3
July	7.0	24.9	14.8
August	6.8	30.4	15.1
September	6.2	26.8	13.5
October	6.0	29.6	12.9
November	6.8	32.7	13.3
December	7.3	26.4	12.9

**Source:** National Centre for Meteorology and Seismology

\*Knot = 1.15 mph

### 6.2.19. Wind speed by month - The Islands, 2011

(Knot\*)

Month	Average	Absolute Maximum	Average Maximum
January	7.8	33.6	13.7
February	8.9	33.6	15.4
March	10.2	28.1	15.7
April	8.1	35.8	14.9
May	8.2	24.4	14.5
June	7.7	26.6	14.4
July	7.2	23.2	13.4
August	6.5	26.0	12.9
September	6.9	21.9	12.7
October	7.1	25.0	12.4
November	8.0	30.3	13.9
December	8.5	25.2	13.5

**Source:** National Centre for Meteorology and Seismology

\*Knot = 1.15 mph

### 6.2.20. Average Daily Sunshine in Abu Dhabi and Al Ain by Month, 2011

(Hours)

Month	Abu Dhabi Region	Al Ain Region
January	6.7	8.6
February	8.5	9.3
March	9.2	10.1
April	8.8	10.5
May	11.0	11.2
June	11.2	11.5
July	10.6	11.1
August	10.4	10.8
September	10.0	10.5
October	9.4	9.8
November	8.5	9.2
December	8.5	8.8

**Source:** National Centre for Meteorology and Seismology

### 6.2.21. Average Daily Total Solar Radiation by Month and Region, 2011

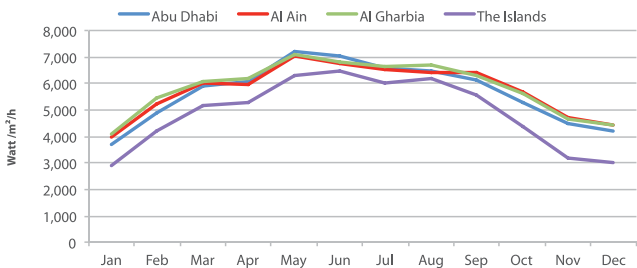
(Watt /m<sup>2</sup>/h)

Month	Abu Dhabi	Al Ain	Al Gharbia	The Islands
January	3,702	3,957	4,096	2,898
February	4,893	5,204	5,442	4,218
March	5,902	6,013	6,083	5,179
April	6,060	5,979	6,168	5,266
May	7,229	7,054	7,092	6,305
June	7,039	6,747	6,818	6,460
July	6,574	6,529	6,637	6,040
August	6,501	6,415	6,728	6,204
September	6,159	6,441	6,300	5,561
October	5,304	5,700	5,648	4,366
November	4,496	4,703	4,683	3,205
December	4,195	4,427	4,448	3,005

**Source:** National Centre for Meteorology and Seismology



Figure 6.2.5. Average Daily Total Solar Radiation by Month and Region, 2011



Source: National Centre for Meteorology and Seismology

6.2.22. Daily Total Solar Radiation by Month - Abu Dhabi, 2011

(Watt /m<sup>2</sup>/h)

Month	Average	Minimum	Maximum
January	3,702	611	5,160
February	4,893	3,060	5,940
March	5,902	2,558	7,230
April	6,060	2,256	8,050
May	7,229	5,219	8,110
June	7,039	5,823	8,130
July	6,574	4,230	7,620
August	6,501	3,008	7,640
September	6,159	4,849	7,130
October	5,304	4,415	6,190
November	4,496	2,890	5,320
December	4,195	3,124	4,820

Source: National Centre for Meteorology and Seismology

### 6.2.23. Daily Total Solar Radiation by Month - Al Ain, 2011

(Watt /m<sup>2</sup>/h)

Month	Average	Minimum	Maximum
January	3,957	661	5,845
February	5,204	2,260	6,572
March	6,013	2,042	7,478
April	5,979	2,166	8,254
May	7,054	996	8,638
June	6,747	5,564	8,332
July	6,529	4,629	7,930
August	6,415	3,363	7,793
September	6,441	3,711	7,634
October	5,700	3,998	6,717
November	4,703	2,886	5,654
December	4,427	3,224	5,178

**Source:** National Centre for Meteorology and Seismology

### 6.2.24. Daily Total Solar Radiation by Month - Al Gharbia, 2011

(Watt /m<sup>2</sup>/h)

Month	Average	Minimum	Maximum
January	4,096	502	5,464
February	5,442	3,691	6,687
March	6,083	1,732	7,791
April	6,168	2,448	8,784
May	7,092	4,821	8,484
June	6,818	6,283	8,008
July	6,637	2,642	7,890
August	6,728	3,648	7,989
September	6,300	4,365	7,168
October	5,648	2,969	6,462
November	4,683	2,319	5,606
December	4,448	3,261	4,975

**Source:** National Centre for Meteorology and Seismology

### 6.2.25. Daily Total Solar Radiation by Month - The Islands, 2011

(Watt /m<sup>2</sup>/h)

Month	Average	Minimum	Maximum
January	2,898	361	5,212
February	4,218	1,635	6,120
March	5,179	1,555	6,978
April	5,266	2,216	7,933
May	6,305	4,700	7,694
June	6,460	4,845	7,675
July	6,040	3,916	7,580
August	6,204	4,529	7,740
September	5,561	3,645	6,561
October	4,366	2,397	5,800
November	3,205	1,083	5,455
December	3,005	856	4,939

**Source:** National Centre for Meteorology and Seismology

# 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, which has 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 2011, annual average concentration of PM10 ranged between 137 and 203 mcg/m<sup>3</sup> in the urban areas of the Emirate while annual average concentration of sulphur dioxide ranged between seven and nine mcg/m<sup>3</sup>, which is below the national maximum allowable limit (60 mcg/m<sup>3</sup>).

## 6.2.26. Annual Average of air Pollution Indicators in Urban Areas by Region and Station, 2011

(Microgram/m<sup>3</sup>)

Indicator (maximum allowable limit)	Abu Dhabi Region		Al Ain Region	Al Gharbia
	Khalifa school	Baniyas School	Al Ain School	Bida Zayed
Sulphur dioxide (60 mcg/m <sup>3</sup> )	7	9	9	7
Nitrogen dioxide	29	28	27	17
Ground level ozone	72	59	61	73
Particulate matter - PM10	137	203	138	171

Source: Environment Agency - Abu Dhabi

### 6.2.27. Annual Average\* of Sulphur Dioxide Concentration in Ambient Air by Region

(Microgram/m<sup>3</sup>)

Station location	2008	2009	2010	2011
<b>Abu Dhabi Region</b>				
City centre - Khadija School	11	9	10	8
Urban/ residential - Khalifa School	11	6	8	7
Road side - Hamdan Street	13	7	10	7
Urban/ residential - Baniyas School	29	7	13	9
Industrial - Mussafah	6	19	7	7
<b>Al Ain Region</b>				
Urban/ residential - Al Ain School	6	3	5	9
Road side - Al Ain Street	7	4	6	7
<b>Al Gharbia</b>				
Urban/ residential - Bida Zayed	8	3	8	7
City centre - Gayathi School	7	7	6	5
Regional background - Liwa Oasis	4	3	5	5

**Source:** Environment Agency - Abu Dhabi

\*The annual maximum allowable limit for sulphur dioxide average concentration is 60 mcg/m<sup>3</sup>

### 6.2.28. Annual Average of Nitrogen Dioxide Concentration in Ambient Air by Region

(Microgram/m<sup>3</sup>)

Station location	2008	2009	2010	2011
<b>Abu Dhabi Region</b>				
City centre - Khadija School	46	36	53	30
Urban/ residential - Khalifa School	42	41	40	29
Road side - Hamdan Street	21	49	59	46
Urban/ residential - Baniyas School	24	27	31	28
Industrial - Mussafah	46	53	59	50
<b>Al Ain Region</b>				
Urban/ residential - Al Ain School	54	na	29	27
Road side - Al Ain Street	26	45	35	39
<b>Al Gharbia</b>				
Urban/ residential - Bida Zayed	na	16	17	17
City centre - Gayathi School	13	17	11	13
Regional background - Liwa Oasis	2	3	4	4

**Source:** Environment Agency - Abu Dhabi

### 6.2.29. Annual Average of Ground Level Ozone Concentration in Ambient Air By Region

(Microgram/m<sup>3</sup>)

Station location	2008	2009	2010	2011
<b>Abu Dhabi Region</b>				
City centre - Khadija School	42	45	59	67
Urban/ residential - Khalifa School	36	34	54	72
Urban/ residential - Baniyas School	35	33	52	59
<b>Al Ain Region</b>				
Urban/ residential - Al Ain School	33	27	38	61
<b>Al Gharbia</b>				
Urban/ residential - Bida Zayed	45	47	68	73
City centre - Gayathi School	53	54	88	81
Regional background - Liwa Oasis	71	44	82	93

**Source:** Environment Agency - Abu Dhabi

### 6.2.30. Annual Average of Particulate Matter (PM10) Concentration in Ambient Air by Region

(Microgram/m<sup>3</sup>)

Station location	2008	2009	2010	2011
<b>Abu Dhabi Region</b>				
City centre - Khadija School	133	152	133	140
Urban/ residential - Khalifa School	90	98	72	137
Road side - Hamdan Street	124	148	143	128
Urban/ residential - Baniyas School	72	71	189	203
Industrial - Mussafah	195	209	227	184
<b>Al Ain Region</b>				
Urban/ residential - Al Ain School	92	115	72	138
Road side - Al Ain Street	132	147	151	143
<b>Al Gharbia</b>				
Urban/ residential - Bida Zayed	118	149	102	171
City centre - Gayathi School	170	143	128	169
Regional background - Liwa Oasis	159	147	153	168

**Source:** Environment Agency - Abu Dhabi

### 6.2.31. Annual Average of Carbon Monoxide Concentration in Ambient Air by Region

(Microgram/m<sup>3</sup>)

Station location	2008	2009	2010	2011
<b>Abu Dhabi Region</b>				
Road side - Hamdan Street	1.4	1.1	1.0	0.9
<b>Al Ain Region</b>				
Road side - Al Ain Street	2.2	1.4	0.9	1.0

**Source:** Environment Agency - Abu Dhabi

### 6.2.32. Annual Average of Noise Level by Region

(Decibels)

Station location	2008	2009	2010	2011
<b>Abu Dhabi Region</b>				
City centre - Khadija School	57.8	57.6	57.4	59.6
Urban/ residential - Khalifa School	50.9	52.3	53.0	54.2
Road side - Hamdan Street	68.9	65.5	66.6	66.6
Urban/ residential - Baniyas School	49.7	51.0	53.1	55.5
Industrial - Mussafah	54.9	49.6	48.3	46.0
<b>Al Ain Region</b>				
Urban/ residential - Al Ain School	49.7	49.7	48.9	50.7
Road side - Al Ain Street	62.2	62.1	61.6	62.4
<b>Al Gharbia</b>				
Urban/ residential - Bida Zayed	53.2	54.3	na	51.3
City centre - Gayathi School	49.6	50.7	50.6	53.0
Regional background - Liwa Oasis	54.4	53.7	50.6	46.1

Source: Environment Agency - Abu Dhabi

### 6.2.33. Sulphur Dioxide Emissions - Oil and Gas Sector

(Tons)

Business sector	2005	2009	2010	2011
<b>Total</b>	<b>262,539</b>	<b>185,870</b>	<b>219,022</b>	<b>208,025</b>
Exploration and production	103,516	76,641	153,500	147,263
Independent operators	*	*	52,790	45,076
Shared services**	**	**	74	na
Marketing and refining	10,040	11,271	12,318	15,183
Gas processing	148,743	97,780	*	*
Petrochemicals	240	178	340	503

Source: Abu Dhabi National Oil Company - ADNOC

\* Included with exploration and production

\*\* New business sector



### 6.2.34. Nitrogen Oxides Emissions - Oil and Gas Sector

(Tons)

Business sector	2005	2009	2010	2011
<b>Total</b>	<b>56,225</b>	<b>54,782</b>	<b>58,901</b>	<b>66,105</b>
Exploration and production	16,655	17,670	29,288	33,999
Independent operators	*	*	2,336	2,427
Shared services**	**	**	802	na
Marketing and refining	17,795	20,031	23,430	26,079
Gas processing	20,263	15,696	*	*
Petrochemicals	1,512	1,385	3,045	3,600

**Source:** Abu Dhabi National Oil Company - ADNOC

\* Included with exploration and production

\*\* New business sector

### 6.2.35. Volatile Organic Compounds Emissions - Oil and Gas Sector

(Tons)

Business sector	2005	2009	2010	2011
<b>Total</b>	<b>64,915</b>	<b>57,999</b>	<b>62,170</b>	<b>85,420</b>
Exploration and production	47,490	42,835	51,464	55,003
Independent operators	*	*	1,166	1,013
Marketing and refining	8,222	8,343	7,808	27,692
Gas processing	8,503	6,206	*	*
Petrochemicals	700	615	1,732	1,712

**Source:** Abu Dhabi National Oil Company - ADNOC

\* Included with exploration and production

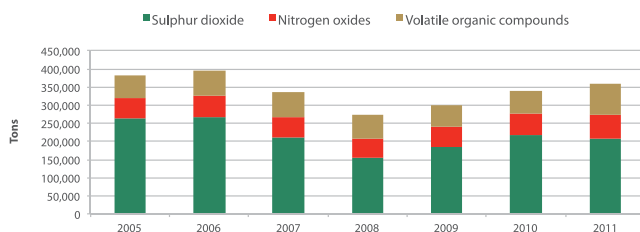
### 6.2.36. Air Pollutant Total Emissions - Oil and Gas Sector

(Tons)

Pollutant	2005	2009	2010	2011
<b>Total</b>	<b>383,679</b>	<b>298,651</b>	<b>340,093</b>	<b>359,550</b>
Sulphur dioxide (SO <sub>2</sub> )	262,539	185,870	219,022	208,025
Nitrogen oxides (NOx)	56,225	54,782	58,901	66,105
Volatile organic compounds (VOC)	64,915	57,999	62,170	85,420

**Source:** Abu Dhabi National Oil Company - ADNOC

**Figure 6.2.6. Air Pollutant total Emissions - Oil and Gas sector**



**Source:** Abu Dhabi National Oil Company - ADNOC, Statistics Centre- Abu Dhabi

### 6.2.37. Per Capita Air Pollutant Total Emissions - Oil and Gas Sector

(Tons)

Pollutant	2005	2009	2010	2011
<b>Total</b>	0.279	0.164	0.173	0.170
Sulphur dioxide (SO <sub>2</sub> )	0.191	0.102	0.111	0.098
Nitrogen oxides (NOx)	0.041	0.030	0.030	0.031
Volatile organic compounds (VOC)	0.047	0.032	0.032	0.040

**Source:** Statistics Centre- Abu Dhabi

### 6.2.38. Carbon Dioxide Emissions - Oil and Gas Sector

(Million tons)

Business Sector	2006	2009	2010	2011*
<b>Total</b>	<b>23.0</b>	<b>21.0</b>	<b>23.0</b>	<b>27.9</b>
Exploration and production	16.0	14.0	15.0	17.1
Independent operators	1.0	1.0	1.0	1.0
Marketing and refining	5.0	5.0	4.0	6.3
Petrochemicals	1.0	1.0	3.0	3.4

**Source:** Abu Dhabi National Oil Company - ADNOC

\* Total includes shared services sector

### 6.2.39. Per Capita Carbon Dioxide Emissions - Oil and Gas Sector

(Tons)

Business Sector	2006	2009	2010	2011
<b>Total</b>	<b>15.73</b>	<b>11.50</b>	<b>11.68</b>	<b>13.14</b>
Exploration and production	10.95	7.66	7.62	8.08
Independent operators	0.68	0.55	0.51	0.48
Marketing and refining	3.42	2.74	2.03	2.98
Petrochemicals	0.68	0.55	1.52	1.61

**Source:** Statistics Centre- Abu Dhabi

### 6.2.40. Sulphur Dioxide Emissions - Water and Electricity Production Sector

(Tons)

Source	2005	2009	2010	2011
<b>Total</b>	<b>1,141.07</b>	<b>5,383.04</b>	<b>4,240.03</b>	<b>2,134.00</b>
Arabian Power Company	841.00	4,104.00	2,314.00	781.00
Shuweihat CMS International Power Company	108.00	245.00	372.79	330.00
Emirates CMS Power Company	173.84	219.84	215.82	67.00
Gulf Total Tractebel Power Company	15.63	19.49	21.00	21.00
Taweelah Asia Power Company	na	789.00	1,309.71	833.00
Al Mirfa Power and Distillation Plant	2.26	5.69	6.71	4.00
Madinat Zayed Power Plant	0.34	0.02	na	na
Ruwais Power Company	na	na	na	98.00

**Source:** Abu Dhabi Water and Electricity Authority - ADWEA

### 6.2.41. Nitrogen Oxides Emissions - Water and Electricity Production Sector

(Tons)

Source	2005	2009	2010	2011
<b>Total</b>	<b>25,161.27</b>	<b>14,479.63</b>	<b>13,481.09</b>	<b>13,497.00</b>
Arabian Power Company	18,510.00	5,710.00	4,759.00	4,251.00
Shuweihat CMS International Power Company	889.00	2,542.00	2,927.10	2,428.00
Emirates CMS Power Company	831.18	568.90	545.79	208.00
Gulf total Tractebel Power Company	1,958.04	2,490.84	2,724.00	2,725.00
Taweelah Asia Power Company	2,368.00	1,836.00	2,350.85	2,457.00
Al Mirfa Power and Distillation Plant	526.25	1,326.86	174.35	912.00
Madinat Zayed Power Plant	78.80	5.03	na	na
Ruwais Power Company	na	na	na	516.00

**Source:** Abu Dhabi Water and Electricity Authority - ADWEA

### 6.2.42. Volatile Organic Compounds Emissions - Water and Electricity Production Sector

(Tons)

Source	2005	2009	2010	2011
<b>Total</b>	<b>167.06</b>	<b>231.03</b>	<b>189.00</b>	<b>232.00</b>
Gulf Total Tractebel Power Company	143.29	178.70	189.00	196.00
Al Mirfa Power and Distillation Plant	20.67	52.13	na	36.00
Madinat Zayed Power Plant	3.10	0.20	na	na

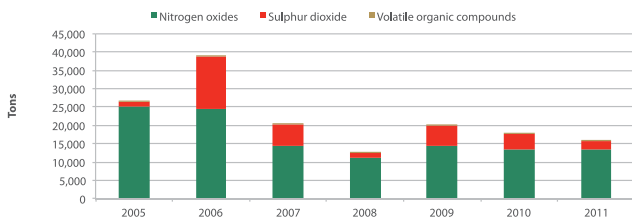
**Source:** Abu Dhabi Water and Electricity Authority - ADWEA

### 6.2.43. Air Pollutant Total Emissions - Water and Electricity Production Sector (Tons)

Pollutant	2005	2009	2010	2011
<b>Total</b>	<b>26,469.40</b>	<b>20,093.70</b>	<b>17,910.12</b>	<b>15,863.00</b>
Sulphur dioxide (SO <sub>2</sub> )	1,141.07	5,383.04	4,240.03	2,134.00
Nitrogen oxides (NOx)	25,161.27	14,479.63	13,481.09	13,497.00
Volatile organic compounds (VOC)	167.06	231.03	189.00	232.00

**Source:** Abu Dhabi Water and Electricity Authority - ADWEA

**Figure 6.2.7. Air Pollutant Total Emissions - Water and Electricity Production Sector**



**Source:** Abu Dhabi Water and Electricity Authority - ADWEA, Statistics Centre- Abu Dhabi

#### 6.2.44. Carbon Dioxide Emissions - Water and Electricity Production Sector (Million tons)

Source	2005	2009	2010	2011
<b>Total</b>	<b>19.76</b>	<b>26.88</b>	<b>27.10</b>	<b>28.79</b>
Arabian Power Company	7.25	7.23	8.04	7.23
Shuweihat CMS International Power Company	2.31	5.25	5.31	4.92
Emirates CMS Power Company	2.66	2.39	2.49	2.38
Gulf Total Tractebel Power Company	3.05	3.87	4.08	4.24
Taweelah Asia Power Company	3.97	7.00	7.17	8.20
Al Mirfa Power and Distillation Plant	0.45	1.14	0.01	0.78
Madinat Zayed Power Plant	0.07	0.00	-	-
Ruwais Power Company	-	-	-	1.03

**Source:** Abu Dhabi Water and Electricity Authority - ADWEA

#### 6.2.45. Other Emissions - Water and Electricity Production Sector (Tons)

Pollutant	2005	2009	2010	2011
Carbon monoxide (CO)	3,505.66	5,360.69	5,236.34	7,338.00
Lead (Pb)	0.02	0.02	0.02	0.02
Methane (CH <sub>4</sub> )	69.94	96.61	79.00	96.85
Nitrous oxide (N <sub>2</sub> O)	18,526.67	5,730.79	4,821.94	4,273.79

**Source:** Abu Dhabi Water and Electricity Authority - ADWEA

# Water

The rapid economic and agricultural development together with sharp population increase in the Emirate of Abu Dhabi has lead to large increases in water demands. In order to preserve natural water resources, the withdrawal groundwater is decreasing and there has been a 23% overall reduction in average withdrawal of groundwater since 2005. 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.

According to estimates made by the Environment Agency - Abu Dhabi in 2011, the number of working wells in the Emirate of Abu Dhabi was 71,165 compared to 22,195 non-working wells. The average withdrawal of groundwater reached 2,217.9 MCM, whereas the amount of groundwater reserves reached 635,620 MCM, but only 3% is fresh.

The Abu Dhabi Region ranked top in the treatment of wastewater accounting for 74% of the Emirate's total treated wastewater, while Al Gharbia came last in this regard, producing only 4% of the total.

## 6.2.46. Number of Working and Non-Working Wells by Region

Region	2005	2009	2010*	2011*
<b>Total Emirate</b>				
<b>Working wells</b>	<b>74,870</b>	<b>65,290</b>	<b>68,200</b>	<b>71,165</b>
<b>Non-working wells</b>	<b>41,050</b>	<b>31,330</b>	<b>21,800</b>	<b>22,195</b>
<b>Abu Dhabi Region</b>				
Working wells	4,240	2,980	8,500	9,050
Non-working wells	2,130	1,100	1,500	1,615
<b>Al Ain Region</b>				
Working wells	41,650	35,460	32,000	33,500
Non-working wells	22,250	16,350	11,000	11,150
<b>Al Gharbia</b>				
Working wells	28,980	26,850	27,700	28,615
Non-working wells	16,670	13,880	9,300	9,430

Source: Environment Agency - Abu Dhabi

\*Estimates

### 6.2.47. Average Withdrawal of Groundwater by Region

(Million cubic metre)

Region	2005	2009	2010	2011
<b>Total Emirate</b>	<b>2,862.1</b>	<b>2,400.0</b>	<b>2,250.9</b>	<b>2,217.9</b>
Abu Dhabi Region	158.2	101.3	78.0	77.0
Al Ain Region	1,570.0	1,286.9	1,260.8	1,251.6
Al Gharbia	1,133.9	1,011.7	912.0	889.3

**Source:** Environment Agency - Abu Dhabi

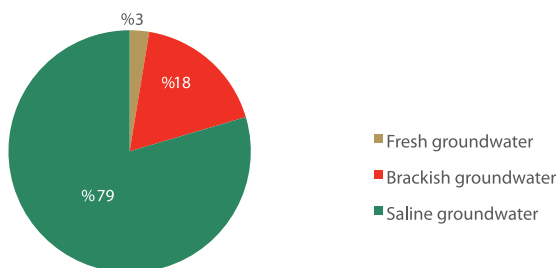
### 6.2.48. Amount of Groundwater Reserves by Type

(Million cubic metre)

Type	2005	2009	2010	2011
<b>Total</b>	<b>646,750</b>	<b>638,410</b>	<b>636,620</b>	<b>635,620</b>
Fresh groundwater	16,250	16,410	16,420	16,520
Brackish groundwater	119,000	114,800	114,000	113,350
Saline groundwater	511,500	507,200	506,200	505,750

**Source:** Environment Agency - Abu Dhabi

**Figure 6.2.8. Percentage Distribution of Groundwater Reserves by Type, 2011**



**Source:** Statistics Centre - Abu Dhabi

### 6.2.49. Total Non-Conventional Water Resources by Type

(Million cubic metre)

Type	2005	2009	2010	2011
<b>Total</b>	<b>770.0</b>	<b>909.6</b>	<b>999.3</b>	<b>1,095.0</b>
Desalinated water consumption	667.0	790.0	873.0	961.5
Treated wastewater reuse	103.0	119.6	126.3	133.5

**Source:** Statistics Centre - Abu Dhabi



### 6.2.50. Quantity of Treated Wastewater by Region

(Million cubic metre)

Region	2005	2009	2010	2011
<b>Total Emirate</b>	<b>148.3</b>	<b>220.9</b>	<b>246.6</b>	<b>243.1</b>
Abu Dhabi Region	113.9	165.2	183.0	181.0
Al Ain Region	33.0	48.1	54.8	52.3
Al Gharbia	1.4	7.6	8.8	9.8

**Source:** Abu Dhabi Sewerage Services Company

### 6.2.51. Quantity of Treated Wastewater Reuse by Region

(Million cubic metre)

Region	2005	2009	2010	2011
<b>Total Emirate</b>	<b>103.0</b>	<b>119.6</b>	<b>126.3</b>	<b>133.5</b>
Abu Dhabi Region	69.7	71.7	65.5	73.0
Al Ain Region	31.9	40.6	52.0	51.5
Al Gharbia	1.4	7.3	8.8	9.0

**Source:** Abu Dhabi Sewerage Services Company

### 6.2.52. Total Wastewater Treatment Plants Capacity by Region

(Million cubic metre)

Region	2005	2009	2010	2011
<b>Total Emirate</b>	<b>135.8</b>	<b>183.2</b>	<b>511.4</b>	<b>1356.1</b>
Abu Dhabi Region	95.9	130.3	360.3	987.0
Al Ain Region	29.4	41.6	139.8	338.0
Al Gharbia	10.5	11.3	11.3	31.1

**Source:** Abu Dhabi Sewerage Services Company

### 6.2.53. Total Conventional Wastewater Treatment Plants Capacity by Region

(Million cubic metre)

Region	2005	2009	2010	2011
<b>Total Emirate</b>	<b>134.4</b>	<b>171.6</b>	<b>488.8</b>	<b>1,294.5</b>
Abu Dhabi Region	95.9	124.8	343.8	942.0
Al Ain Region	29.2	35.7	133.9	321.6
Al Gharbia	9.3	11.1	11.1	30.9

**Source:** Abu Dhabi Sewerage Services Company

### 6.2.54. Total Non-Conventional Wastewater Treatment Plants Capacity by Region

(Million cubic metre)

Region	2005	2009	2010	2011
<b>Total Emirate</b>	<b>1.4</b>	<b>11.6</b>	<b>22.6</b>	<b>61.6</b>
Abu Dhabi Region	na	5.5	16.4	45.0
Al Ain Region	0.2	5.9	5.9	16.4
Al Gharbia	1.2	0.2	0.3	0.2

**Source:** Abu Dhabi Sewerage Services Company

### 6.2.55. Consumption of Water in The Irrigation of Cultivated Areas

(Million cubic metre)

Item	2008	2009	2010	2011
Groundwater consumption	2,585.6	2,400.0	2,250.9	2,217.9
Desalinated water consumption	26.5	41.3	34.9	30.7
Treated wastewater reused	124.1	119.6	126.3	133.5
<b>Total consumption</b>	<b>2,736.2</b>	<b>2,560.9</b>	<b>2,412.1</b>	<b>2,382.1</b>
Cultivated area* (hectare)	235,169.1	235,741.6	234,954.8	235,235.0
Average water consumption per cultivated hectare (cubic metre)	11,635.0	10,863.2	10,266.2	10,126.5
% Reduction of water consumption per cultivated hectare	na	6.63	5.50	1.36

**Source:** Statistics Centre - Abu Dhabi, Environment Agency - Abu Dhabi, Abu Dhabi Food Control Authority, Abu Dhabi Sewerage Services Company, Municipality of Abu Dhabi City, Al Ain City Municipality, Name Region Municipality

\* Includes cultivated areas of plant holdings, forests, and parks.

# Waste

The interest in waste management and treatment increases with the increase 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, and are tackled to reduce their effect on environment, health, and aesthetics.

Total amount of waste generated in 2011 reached about 10.3 million tons in the Emirate of Abu Dhabi with a rate of 28.3 thousand tons per day. The demolition and construction activity accounts for 74% of total waste generated, whereas the amount of solid municipal waste reached about 1,105.6 thousand tons of which 66% was in the Abu Dhabi Region.

## 6.2.56. Non-Hazardous Solid Waste Generation by Region and Source Activity, 2011\*

(Tons)

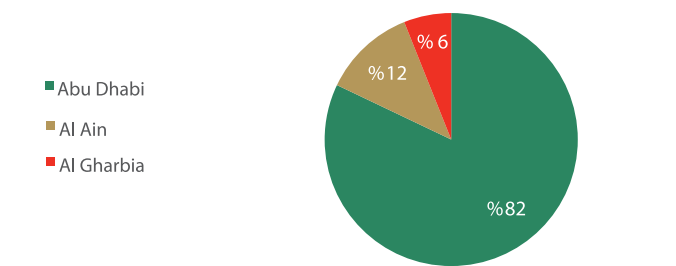
Source	Total	Abu Dhabi	Al Ain	Al Gharbia
<b>Total</b>	<b>10,336,635</b>	<b>8,484,489</b>	<b>1,226,421</b>	<b>625,725</b>
<b>Daily average</b>	<b>28,320</b>	<b>23,245</b>	<b>3,360</b>	<b>1,714</b>
Construction and demolition waste	7,624,575	6,785,331	724,914	114,330
Industrial and commercial waste	643,338	590,808	37,080	15,450
Agriculture waste	816,069	239,166	175,203	401,700
Municipal waste	1,105,602	726,768	287,679	91,155
Other**	147,051	142,416	1,545	3,090

Source: The Centre of Waste Management - Abu Dhabi

\* Excludes oil and gas sector's waste

\*\* includes sludge and tyre waste

Figure 6.2.9. Percentage Distribution of Non-Hazardous Solid Waste Generation by Region, 2011



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 2011, there were 71 cases of fatal occupational incidents and 12 fatal occupational road accidents in the Emirate of Abu Dhabi. There were 1,356 cases of foodborne illnesses and food poisoning caused by consuming foods or drinks contaminated with bacteria and viruses.

6.2.57. Number of Food Poisoning and Foodborne Illnesses by Type

Type	2008	2009	2010	2011
Total	489	1,114	1,259	1,356
Salmonella	47	205	90	na
Other food poisoning	85	309	471	667
Typhoid fever	117	133	335	394
Viral hepatitis A	212	181	193	138
Giardia lamblia	na	36	55	82
Bacillary dysentery	na	52	51	na
Bacterial dysentery	na	123	na	na
Paratyphoid fever	12	30	12	na
Brucellosis	na	45	52	75
Other	16	na	na	na

Source: Health Authority - Abu Dhabi

### 6.2.58. Occupational Injury Deaths

Injury Category	2008	2009	2010	2011
<b>Total</b>	<b>76</b>	<b>108</b>	<b>101</b>	<b>83</b>
Occupational injury	68	82	75	71
Occupational RTI	8	26	26	12
% of occupational RTI from total RTI	1.9	6.0	7.4	3.6

**Source:** Health Authority - Abu Dhabi

### 6.2.59. Number of Occupational Health and Safety Incidents - Oil and Gas Sector

Item	2005	2009	2010	2011
Fatality incidents	6	7	4	18
Fatality non recordable	na	7	11	19
Disability incident	0	1	0	17
Lost time injury incidents	53	75	66	110
Medical treatment case	123	93	144	279
Restricted workday case	41	44	58	1
Journey incident	na	na	na	na
Reporting dangerous occurrence	na	na	na	na
Occurrence of occupational disease	na	na	na	na
Road traffic incidents	171	135	177	284
Near miss	na	24,419	30,186	50,624

**Source:** Abu Dhabi National Oil Company - ADNOC

### 6.2.60. Rate of Injuries and Incidents Registered Per Million Man-Hours Worked - Oil and Gas Sector

Item	2005	2009	2010	2011
Number of working hours ( <i>million hours</i> )	171.00	313.00	355.00	588.54
Lost time injury frequency rate (LTIFR)	0.31	0.24	0.19	0.19
Lost time injury severity rate (LTISR)	na	na	na	na
Total reportable case frequency (TRCF)	1.27	0.68	0.76	0.58
Fatal accident rate (FAR)	3.50	2.23	1.13	3.06

Source: Abu Dhabi National Oil Company - ADNOC

### 6.2.61. Number of Occupational Health and Safety Incidents - Water and Electricity Production Sector

Item	2005	2009	2010	2011
Fatality incidents	1	3	6	0
Fatality non recordable	0	0	0	0
Disability incident	0	0	1	0
Lost time injury incidents	9	19	22	12
Medical treatment case	5	531	472	8
Restricted workday case	0	4	1	0
Journey incident	0	3	0	na
Reporting dangerous occurrence	0	9	4	10
Occurrence of occupational disease	0	0	0	0
Road traffic incidents	44	8	3	1
Near miss	47	1,495	596	1,355

Source: Abu Dhabi Water and Electricity Authority - ADWEA

### 6.2.62. Rate of Injuries and Incidents Registered Per Million Man-Hours Worked - Water and Electricity Production Sector

Item	2005	2009	2010	2011*
Number of working hours ( <i>million hours</i> )	9.85	50.57	42.13	36.08
Lost time injury frequency rate (LTIFR)	0.91	0.38	0.52	0.33
Lost time injury severity rate (LTISR)	2.10	4.70	17.10	7.51
Total reportable case frequency (TRCF)**	0.10	10.60	11.30	0.50

Source: Abu Dhabi Water and Electricity Authority - ADWEA

\*Data include ADWEA group of companies, IWPP's and TAQA

\*\*Includes Fatal Accident Rate (FAR)

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