



مركز الإحصاء - أبوظبي  
STATISTICS CENTRE - ABU DHABI



# Statistical Yearbook of Abu Dhabi 2010

## **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 is pleased to present “Abu Dhabi Foreign Trade Bulletin - 2009” to decision makers, businessmen, researchers and all those interested in statistical figures and indicators.

The bulletin closely monitors the various indicators of foreign trade in 2009 and their implications for development under the wise leadership of HH Sheikh Khalifa bin Zayed Al Nahyan, President of the United Arab Emirates and Ruler of Abu Dhabi and the 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.

Foreign trade statistics are of considerable importance in the Economy of Abu Dhabi, since this economic activity makes up quite a large portion of the Emirate’s GDP, reflecting the pace at which commercial activity has been growing in the Emirate and the significance of foreign trade in its export and import components for the economy in general.

The rapid development that the UAE at large and the Emirate of Abu Dhabi in particular are experiencing in the diverse aspects of economic and cultural life has underscored the importance of statistical data and information (including trade statistics) in serving the society and providing policy makers with the right tools for sound decision making.

The statistical tables and analyses of this bulletin highlight the various components of foreign trade, elaborating on certain important aspects of the subject and giving details on developments by both value and quantity in ways that accentuate the evolution of Abu Dhabi’s economic and commercial relationships with countries and regions of the world in 2009.

As with other publications of Statistics Centre - Abu Dhabi, we always acknowledge the cooperation of all our strategic partners, which enables us to produce reliable, data-rich and high-quality statistical bulletins. In this regard, we are particularly grateful to the Customs Administration (Department of Finance) for their unstinting support to the Centre through continued supply with data on the movement of merchandise via the ports of Abu Dhabi.

As we present this new publication, we are hoping that it will help to meet the needs of development in the trade sector and to serve sustainable economic development at all levels.



Butti Ahmed Mohammed Bin Butti Al Qubaisi  
Director General

June 2010

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## Units and Symbols

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AED	= UAE dirham
[Blank]	= not applicable
bpd	= billion barrels per day
BTU	= British Thermal Unit
CPI	= Consumer Price Index
Donum	= one thousand square metres
FDI	= Foreign Direct Investment
GCC	= Gulf Corporation Council
GDP	= Gross Domestic Product
kg	= kilogram
km	= kilometre
kwh	= kilowatt hour
LNG	= Liquefied Natural Gas
LPG	= Liquefied Petroleum Gas
MCM	= Million Cubic Metres
mwh	= megawatt hour
mm	= millimetre
na	= figure not available
No	= number
0 (0.0)	= less than half of the unit concerned
'000	= in thousands
°	= degrees centigrade
~	= below the least count

- Figures in *italics* are provisional and subject to revision.
- Due to rounding, totals may not equal the sum of component parts.
- Unless otherwise indicated, all tables in this book relate to the Emirate of Abu Dhabi.

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## 1. Economy

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

# Economy

The year 2009 was a difficult period for economies throughout the world because of the impact of the global financial crisis. However, the economy of the Emirate of Abu Dhabi showed great resilience and stability in face of this crisis, as demonstrated by the data presented in this section of the Statistical Yearbook, which contains an overview of its economic development.

While the economic crisis presented many challenges to the Emirate's economy, the situation also created big and diverse opportunities that the Emirate has taken advantage of in boosting development, growth and stability in the medium and long term. One of the most favourable consequences of the financial crisis on the local economic conditions is the fact that it helped significantly and directly to rein in the annual inflation rate, which fell from 14.88% in 2008 to less than 1% in 2009.

Among the sectors and activities highlighted in this section are the national accounts, balance of payments and trade, prices, financial statistics, government finances, and wages and compensation.

2009	GDP at Current Prices (million AED)	546,476
	Oil share in GDP (%)	49%
	Per capita GDP (000 AED)	332.5
	Fixed Capital Formation (million AED)	79,840
	Foreign Direct Investment (million AED), 2007	31,465
	Oil, Gas and Oil Products Exports (million AED), 2008	384,854
	Non - Oil Exports (million AED)	9,500.8
	Re-exports (million AED)	8,694.2
	Imports (million AED)	93,872.2
	Inflation Rate (%)	0.78%

## **1.1. Abu Dhabi Accounts**

The economy of the Emirate of Abu Dhabi saw record growth in the years preceding 2009; the year which saw a marked drop in GDP due to the decline in oil prices in the wake of the global financial crisis. Despite the consequent decline in the Emirate's per capita GDP to AED 332,500 in 2009, it remains one of the highest worldwide.

The GDP of the Emirate of Abu Dhabi constitutes more than 60% of the economy of the United Arab Emirates, although the Emirate's population represents only about 33% of the total UAE population.

The Emirate's GDP at current prices in 2009 is estimated at AED 546.5 billion. Total fixed capital formation reached AED 79.840 billion, up from AED 72.673 billion in 2008.

This section presents summarised, as well as detailed, statistics for macroeconomic variables for 2009, including GDP by economic activity at current prices, annual growth rates, sectoral distribution of GDP in the Emirate of Abu Dhabi by economic activity.

### 1.1.1. GDP by Economic Activities at Current Prices

(Million AED)

Economic Activity	2005	2007	2008*	2009*
<b>Total</b>	383,430	545,368	666,732	546,476
<b>Commodity Activities</b>	284,938	407,934	516,719	386,415
Agriculture, Live stock and fishing	5,863	5,591	5,512	5,496
Mining and quarrying	215,455	307,445	405,827	269,875
Manufacturing industries	28,645	35,270	38,862	40,521
Electricity, gas and water	8,655	12,592	14,165	15,295
Construction	26,321	47,036	52,353	55,228
<b>Services Activities</b>	98,492	137,433	150,012	160,061
Wholesale & retail trade and repairing services	19,864	26,160	28,363	30,132
Hotels and restaurants	3,602	4,864	5,542	6,425
Transport, storage and communications	23,604	33,292	36,646	38,822
Financial institutions and insurance	17,988	27,294	30,313	31,652
Real Estate and Business services	25,621	40,088	43,209	46,037
Social and Personal services	1,288	1,508	1,677	1,808
Less: imputed bank service charge	11,436	16,233	19,353	21,531
Public Administration and Defense	10,324	11,571	13,703	15,952
Domestic Services of household	913	1,011	1,150	1,321
Education	5,225	6,121	6,808	7,337
Health	1,500	1,757	1,954	2,106

Source: Statistics Centre - Abu Dhabi

\*Preliminary estimates

### 1.1.2. GDP Per Capita at Current Prices

Item	2005	2007	2008*	2009*
GDP (million AED)	383,430	545,368	666,732	546,476
Per capita GDP (000 AED)	279.0	362.3	423.9	332.5
GDP per capita annual growth %	26.1	6.0	17.0	-21.5

Source: Statistics Centre - Abu Dhabi

\*Preliminary estimates

### 1.1.3. Annual Growth Rates of GDP by Economic Activities at Current Prices (%)

Economic Activity	2005	2007	2008*	2009*
Total	31.7	10.8	22.3	-18.0
<b>Commodity Activities</b>	38.7	8.1	26.7	-25.2
Agriculture, Live stock and fishing	-2.6	-0.2	-1.4	-0.3
Mining and quarrying	45.9	5.5	32.0	-33.5
Manufacturing industries	23.2	7.0	10.2	4.3
Electricity, gas and water	31.3	21.6	12.5	8.0
Construction	25.6	27.4	11.3	5.5
<b>Services Activities</b>	13.7	19.6	9.2	6.7
Wholesale & retail trade and repairing services	12.5	16.1	8.4	6.2
Hotels and restaurants	21.8	14.0	13.9	15.9
Transport, storage and communications	17.5	14.9	10.1	5.9
Financial institutions and insurance	17.6	29.2	11.1	4.4
Real Estate and Business services	20.1	26.6	7.8	6.5
Social and Personal services	6.2	11.0	11.2	7.8
Less: imputed bank service charge	25.8	18.9	19.2	11.3
Public Administration and Defense	2.8	8.4	18.4	16.4
Domestic Services of household	3.7	9.7	13.7	14.8
Education	7.5	11.1	11.2	7.8
Health	6.4	11.1	11.2	7.8

Source: Statistics Centre - Abu Dhabi

\*Preliminary estimates

**1.1.4. Percentage Distribution of GDP by Economic Activities at Current Prices (%)**

Economic Activity	2005	2007	2008*	2009*
Total	100	100	100	100
<b>Commodity Activities</b>	74.3	74.8	77.5	70.7
Agriculture, Live stock and fishing	1.5	1.0	0.8	1.0
Mining and quarrying	56.2	56.4	60.9	49.4
Manufacturing industries	7.5	6.5	5.8	7.4
Electricity, gas and water	2.3	2.3	2.1	2.8
Construction	6.9	8.6	7.9	10.1
<b>Services Activities</b>	25.7	25.2	22.5	29.3
Wholesale & retail trade and repairing services	5.2	4.8	4.3	5.5
Hotels and restaurants	0.9	0.9	0.8	1.2
Transport, storage and communications	6.2	6.1	5.5	7.1
Financial institutions and insurance	4.7	5.0	4.5	5.8
Real Estate and Business services	6.7	7.4	6.5	8.4
Social and Personal services	0.3	0.3	0.3	0.3
Less: imputed bank service charge	3.0	3.0	2.9	3.9
Public Administration and Defense	2.7	2.1	2.1	2.9
Domestic Services of household	0.2	0.2	0.2	0.2
Education	1.4	1.1	1.0	1.3
Health	0.4	0.3	0.3	0.4

Source: Statistics Centre - Abu Dhabi

\*Preliminary estimates



### 1.1.5. Foreign Trade Indicators as a Percentage of GDP

(%)

Item	2006	2007	2008*
Total Exports	51.9	51.5	59.6
Oil exports	49.0	49.4	57.7
Non-oil export	0.8	1.1	0.9
Re- exports	2.1	1.0	0.9
Imports	9.2	11.6	13.5
Goods trade	61.1	63.1	73.1
Net trade in goods	42.7	39.9	46.1

Source : Statistics Centre - Abu Dhabi

\*Preliminary estimates

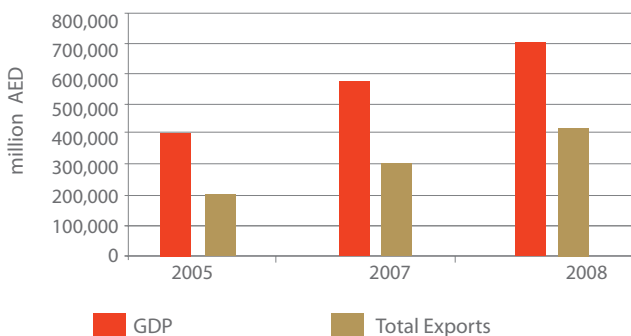
### 1.1.6. Exports of Goods as a Percentage of GDP

Item	2005	2007	2008
GDP (million AED)	383,430	545,368	666,732*
Total Exports (million AED)	199,093.0	281,050.2	397,348.1
Total Exports as % of GDP	51.9	51.5	59.6*

Source: Statistics Centre - Abu Dhabi

\*Preliminary estimates

Figure:1.1.1. Export of Goods and GDP



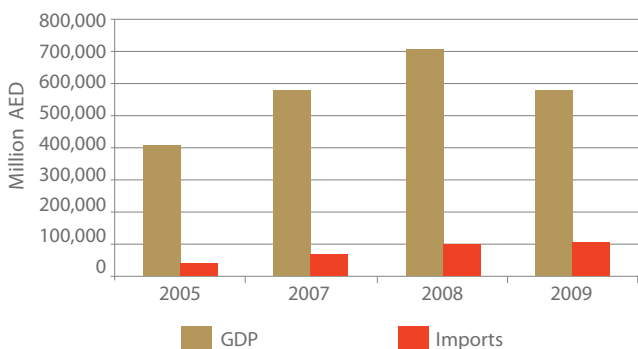
### 1.1.7. Import of Goods as a Percentage of GDP at Current Prices

Item	2005	2007	2008	2009
GDP (million AED)	383,430	545,368	666,732*	546,476*
Imports (million AED)	35,214	63,343	90,277	93,872
Imports as % of GDP	9.2	11.6	13.5*	17.2*

Source: Statistics Centre - Abu Dhabi

\*Preliminary estimates

Figure 1.1.2. Imports of Goods and GDP



**1.1.8. Gross Fixed Capital Formation by Economic Activities at Current Prices**  
(Million AED)

Economic Activity	2005	2007	2008*	2009*
<b>Total</b>	<b>47,278</b>	<b>61,588</b>	<b>72,673</b>	<b>79,840</b>
<b>Commodity Activities</b>	<b>24,357</b>	<b>30,758</b>	<b>35,419</b>	<b>35,350</b>
Agriculture, Live stock and fishing	654	614	616	620
Mining and quarrying	7,246	8,469	10,564	9,269
Manufacturing industries	8,641	10,293	11,297	11,457
Electricity, gas and water	5,831	7,410	8,643	9,143
Construction	1,985	3,973	4,300	4,861
<b>Services Activities</b>	<b>22,921</b>	<b>30,830</b>	<b>37,254</b>	<b>44,491</b>
Wholesale & retail trade and repairing services	1,110	1,471	1,742	1,926
Hotels and restaurants	3,642	4,501	5,925	7,106
Transport, storage and communications	6,026	7,883	8,563	9,365
Financial institutions and insurance	630	803	1,036	1,098
Real Estate and Business services	2,525	3,722	4,219	4,821
Social and Personal services	264	320	389	452
Public Administration and Defense	7,466	10,603	13,522	17,563
Education	789	957	1,165	1,354
Health	469	570	693	806

Source: Statistics Centre - Abu Dhabi

\*Preliminary estimates

**1.1.9. Percentage Distribution of Gross Fixed Capital Formation by Economic Activities at Current Prices**

(%)

Economic Activity	2005	2007	2008*	2009*
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
<b>Commodity Activities</b>	<b>51.5</b>	<b>49.9</b>	<b>48.7</b>	<b>44.3</b>
Agriculture, Live stock and fishing	1.4	1.0	0.8	0.8
Mining and quarrying	15.3	13.8	14.5	11.6
Manufacturing industries	18.3	16.7	15.5	14.3
Electricity, gas and water	12.3	12.0	11.9	11.5
Construction	4.2	6.5	5.9	6.1
<b>Services Activities</b>	<b>48.5</b>	<b>50.1</b>	<b>51.3</b>	<b>55.7</b>
Wholesale & retail trade and repairing services	2.3	2.4	2.4	2.4
Hotels and restaurants	7.7	7.3	8.2	8.9
Transport, storage and communications	12.7	12.8	11.8	11.7
Financial institutions and insurance	1.3	1.3	1.4	1.4
Real Estate and Business services	5.3	6.0	5.8	6.0
Social and Personal services	0.6	0.5	0.5	0.6
Public Administration and Defense	15.8	17.2	18.6	22.0
Education	1.7	1.6	1.6	1.7
Health	1.0	0.9	1.0	1.0

Source: Statistics Centre - Abu Dhabi

\*Preliminary estimates

### 1.1.10. Gross Fixed Capital Formation by Economic Activities as Percentage of GDP at Current Prices

(%)

Economic Activity	2005	2007	2008*	2009*
<b>Total</b>	12.3	11.3	10.9	14.6
<b>Commodity Activities</b>	6.4	5.6	5.3	6.5
Agriculture, Live stock and fishing	0.2	0.1	0.1	0.1
Mining and quarrying	1.9	1.6	1.6	1.7
Manufacturing industries	2.3	1.9	1.7	2.1
Electricity, gas and water	1.5	1.4	1.3	1.7
Construction	0.5	0.7	0.6	0.9
<b>Services Activities</b>	6.0	5.7	5.6	8.1
Wholesale & retail trade and repairing services	0.3	0.3	0.3	0.4
Hotels and restaurants	0.9	0.8	0.9	1.3
Transport, storage and communications	1.6	1.4	1.3	1.7
Financial institutions and insurance	0.2	0.1	0.2	0.2
Real Estate and Business services	0.7	0.7	0.6	0.9
Social and Personal services	0.1	0.1	0.1	0.1
Public Administration and Defense	1.9	1.9	2.0	3.2
Education	0.2	0.2	0.2	0.2
Health	0.1	0.1	0.1	0.1

Source: Statistics Centre - Abu Dhabi

\*Preliminary estimates

### 1.1.11. Annual Growth Rates of Gross Fixed Capital Formation by Economic Activities at Current Prices

(%)

Economic Activity	2005	2007	2008*	2009*
<b>Total</b>	7.5	30.3	18.0	9.9
<b>Commodity Activities</b>	9.6	11.8	15.2	-0.2
Agriculture, Live stock and fishing	-1.4	-1.4	0.3	0.6
Mining and quarrying	5.3	8.0	24.7	-12.3
Manufacturing industries	11.5	7.0	9.8	1.4
Electricity, gas and water	11.5	12.1	16.6	5.8
Construction	20.4	41.6	8.2	13.0
<b>Services Activities</b>	5.3	23.6	20.8	19.4
Wholesale & retail trade and repairing services	12.9	21.3	18.4	10.6
Hotels and restaurants	16.7	12.3	31.6	19.9
Transport, storage and communications	15.2	22.6	8.6	9.4
Financial institutions and insurance	14.5	16.4	29.0	6.0
Real Estate and Business services	25.1	23.4	13.4	14.3
Social and Personal services	11.8	13.9	21.6	16.2
Public Administration and Defense	-12.7	34.7	27.5	29.9
Education	11.7	13.7	21.7	16.2
Health	11.6	13.8	21.6	16.3

Source: Statistics Centre - Abu Dhabi

\*Preliminary estimates

## **1.2. Foreign Trade**

Foreign trade is of paramount importance to the economy of Abu Dhabi and makes up a considerable proportion of the Emirate's GDP. In 2008, foreign trade accounted for 73% of 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 total value of commodity imports to Abu Dhabi in 2009 amounted to AED 93.9 billion, the main imports being capital goods and industrial equipment, which accounted for 64.2% of imports. The top supplier was the US, from which the Emirate received imports worth AED 12.6 billion. Non-oil exports totalled AED 9.5 billion, with key goods being plastics and basic metals, which constituted 65% of the total. Qatar was the top destination of Abu Dhabi Non-oil exports, receiving goods worth AED 3.8 billion.

Re-exports in 2009 were valued at AED 8.7 billion. The top category was machinery and equipment, which made up 50% of total Re-exports. The Kingdom of Bahrain ranked first among re-export destinations, receiving shipments worth AED 1.9 billion.

The largest volume of foreign trade was exchanged with Asian countries, which supplied Abu Dhabi with imports worth AED 42.5 billion and received from the Emirate Non-oil exports valued at AED 7.8 billion and Re-exports worth AED 7.5 billion. The tables on Non-oil exports, imports and Re-exports of goods in this section are derived from Customs clearance through the ports of Abu Dhabi.

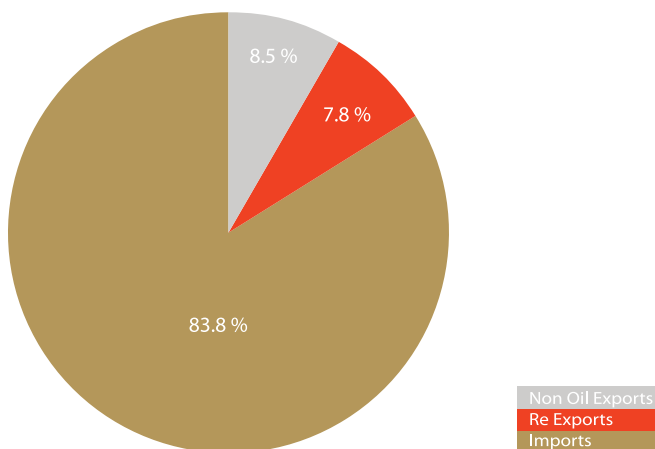
### 1.2.1. Foreign Trade Statistics

(Million AED)

Item	2005	2007	2008	2009
Total Exports	199,093.0	281,050.2	397,348.1	na
Oil , gas and oil products	187,985	269,630	384,854	na
Non-oil exports	3,186.4	5,805.3	6,252.0	9,500.8
Re- exports	7,921.6	5,615.0	6,242.0	8,694.2
Imports	35,214.3	63,342.8	90,277.0	93,872.2
Net trade in goods	163,879	217,707	307,071	na

Source: Statistics Centre - Abu Dhabi

Figure: 1.2.1. Non - Oil Foreign Trade Statistics, 2009



### 1.2.2. Trade Balance of Non-oil Goods at Current Prices, 2009

(Million AED)

Item	Exports	Re - export	Imports	Balance
<b>Total</b>	<b>9,500.8</b>	<b>8,694.2</b>	<b>93,872.2</b>	<b>-75,677.16</b>
Live animals and their products	107.9	32.9	1,784.3	-1,643.52
Vegetables products	37.7	19.0	2,869.3	-2,812.64
Animals or vegetable fats, oil and waxes	107.6	9.7	268.1	-150.90
Foodstuffs, beverages, spirits and tobacco	143.3	29.0	1,408.7	-1,236.40
Mineral products	43.6	55.9	1,619.7	-1,520.11
Products of the chemical or allied industries	237.7	271.1	3,956.5	-3,447.68
Plastic, rubber and articles thereof	2,506.3	109.1	3,865.5	-1,250.12
Articles of leather and animal gut; travel goods	1.4	138.5	82.7	57.19
Articles of wood, cork; Basket ware and wickerwork	3.6	38.6	516.7	-474.45
Pulp if wood, waste, scrap and article of paper	218.2	176.6	1,067.0	-672.20
Textiles and textile articles	33.1	782.8	970.9	-154.95
Footwear, umbrella, articles of feather and hair	6.0	41.4	116.7	-69.30
Articles of stone, mica; ceramic products and glass	270.4	88.2	2,640.5	-2,281.91
Pearls, stones, precious metals and its articles	5.2	56.6	413.1	-351.29
Base metals and articles of base metals	3,667.6	377.3	14,997.7	-10,952.87
Machinery, sound recorder, reproducers and parts	703.7	4,311.3	30,584.7	-25,569.78
Vehicles of transport	1,335.1	1,494.3	23,024.5	-20,195.09
Photographic, medical, musical instruments and parts	45.1	96.0	2,069.1	-1,928.04
Arms and ammunition; parts and accessories	3.8	2.9	231.4	-224.75
Miscellaneous manufactured articles	22.5	65.4	971.2	-883.30
Work of art, collectors pieces and antiques	1.1	497.6	413.7	84.96

Source: Statistics Centre - Abu Dhabi

### 1.2.3. Exports to Imports Ratio

(%)

Commodity	2005	2007	2008	2009
Non - oil Total	9.0	9.2	6.9	10.1
Live animals and their products	5.0	5.4	5.4	6.0
Vegetables products	2.7	3.3	3.0	1.3
Animals or vegetable fats, oil and waxes	68.9	74.9	50.5	40.1
Foodstuffs, beverages, spirits and tobacco	5.9	10.6	10.5	10.2
Mineral products	12.6	10.0	5.7	2.7
Products of the chemical or allied industries	5.9	4.9	5.0	6.0
Plastic, rubber and articles thereof	82.2	67.8	73.5	64.8
Articles of leather and animal gut; travel goods	8.3	5.4	7.9	1.7
Articles of wood, cork; Basket ware and wickerwork	10.2	5.5	0.6	0.7
Pulp if wood, waste, scrap and article of paper	16.6	21.5	20.8	20.4
Textiles and textile articles	5.8	9.0	8.7	3.4
Footwear, umbrella, articles of feather and hair	0.4	2.0	4.4	5.2
Articles of stone, mica; ceramic products and glass	8.4	16.7	12.1	10.2
Pearls, stones, precious metals and its articles	3.7	3.9	15.1	1.3
Base metals and articles of base metals	4.2	7.0	3.9	24.5
Machinery, sound recorder, reproducers and parts	2.9	2.7	1.9	2.3
Vehicles of transport	0.5	3.7	0.4	5.8
Photographic, medical, musical instruments and parts	1.5	2.9	3.1	2.2
Arms and ammunition; parts and accessories	0.3	2.0	22.3	1.6
Miscellaneous manufactured articles	4.7	1.8	1.5	2.3
Work of art, collectors pieces and antiques	4.3	0.4	0.9	0.3

Source: Statistics Centre - Abu Dhabi

### 1.2.4. Key Indicators of Non-oil Exports

(Million AED)

Exports of Goods	2008	2009
Total	6,252.0	9,500.8
Agricultural raw materials exports	16.4	17.1
Food exports	521.1	385.8
Manufactures exports	5,550.8	8,844.1
Ores and metals exports	97.5	216.1
Exports of other goods	66.2	37.6

Source: Statistics Centre - Abu Dhabi



**1.2.5. Non-oil Exports by Sections of the Harmonized System (HS)**  
(Million AED)

Commodity	2005	2007	2008	2009
<b>Total</b>	<b>3,186</b>	<b>5,805</b>	<b>6,252</b>	<b>9,501</b>
Live animals and their products	48.6	73.7	97.8	107.9
Vegetables products	34.1	58.0	61.3	37.7
Animals or vegetable fats, oil and waxes	125.8	158.0	242.9	107.6
Foodstuffs, beverages, spirits and tobacco	47.8	110.9	132.3	143.3
Mineral products	67.6	108.3	91.4	43.6
Products of the chemical or allied industries	141.8	151.4	192.9	237.7
Plastic, rubber and articles thereof	1,874.5	2,717.8	3,371.5	2,506.3
Articles of leather and animal gut; travel goods	8.8	12.4	5.2	1.4
Articles of wood, cork; Basket ware and wickerwork	39.7	38.2	5.0	3.6
Pulp if wood, waste, scrap and article of paper	114.9	199.6	256.1	218.2
Textiles and textile articles	38.5	72.9	83.5	33.1
Footwear, umbrella, articles of feather and hair	0.4	2.3	6.2	6.0
Articles of stone, mica; ceramic products and glass	76.4	262.4	296.9	270.4
Pearls, stones, precious metals and its articles	3.9	7.9	29.5	5.2
Base metals and articles of base metals*	229.4	754.1	715.6	3,667.6
Machinery, sound recorder, reproducers and parts	260.9	557.5	506.3	703.7
Vehicles of transport**	39.8	450.1	79.8	1,335.1
Photographic, medical, musical instruments and parts	11.4	37.2	46.6	45.1
Arms and ammunition; parts and accessories	1.2	20.9	16.9	3.8
Miscellaneous manufactured articles	20.5	11.7	13.0	22.5
Work of art, collectors pieces and antiques***	0.3	0.1	1.3	1.1

Source: Finance Department - Customs Administration

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

\*\* The rise in 2009 is due to the increase exports of floating or submersible drilling or production platforms

\*\*\* During 2008, new articles were inserted in this section, which is then reclassified according to the needs of individual countries

### 1.2.6. Non-oil Exports by Continent

(Million AED)

Continent	2008		2009	
	Value	%	Value	%
Total	6,252.0	100	9,500.8	100
Asia	5673.5	90.8	7819.1	82.3
Africa	270.5	4.3	1463.0	15.4
Europe	113.7	1.8	116.6	1.2
Americas	91.9	1.5	72.6	0.8
Oceania	102.4	1.6	29.5	0.3

Source: Statistics Centre - Abu Dhabi

### 1.2.7. Non-oil Exports to GCC Countries

(Million AED)

Country	2008		2009	
	Value	%	Value	%
Total	2,842.2	100	5,353.5	100
Qatar	1,170.4	41.2	3,803.5	71.0
Saudi Arabia	914.2	32.2	877.9	16.4
Sultanate of Oman	458.9	16.1	466.1	8.7
Kuwait	226.8	8.0	138.5	2.6
Bahrain	72.0	2.5	67.3	1.3

Source: Department of Finance - Customs Administration

### 1.2.8. Top Trade Partners ( Non-oil Exports)

( Million AED)

Country	2008		2009	
	Value	%	Value	%
Total	6,252.0	100	9,500.8	100
Qatar	1,170.4	18.7	3,803.5	40.0
Nigeria	398.3	6.4	1,214.5	12.8
Saudi Arabia	914.2	14.6	877.9	9.2
China	607.6	9.7	550.9	5.8
India	479.3	7.7	500.0	5.3
Sultanate of Oman	458.9	7.3	466.1	4.9
Iran	485.6	7.8	349.2	3.7
Egypt	301.3	4.8	253.5	2.7
Singapore	76.3	1.2	150.1	1.6
Kuwait	226.8	3.6	138.5	1.5
Others	1,133.5	18.1	1,196.5	12.6

Source: Department of Finance - Customs Administration

### 1.2.9. Non - Oil Exports by Mode of Shipping

( Million AED )

Mode of Shipping	2008		2009	
	Value	%	Value	%
Total	6,252.0	100	9,500.8	100
Marine	3,875.7	62.0	7,478.5	78.7
Road	2,310.4	37.0	1,923.4	20.2
Air	65.9	1.1	98.9	1.0

Source: Department of Finance - Customs Administration

According to the statistics for 2007, the Emirate of Abu Dhabi exported 815 million barrels of crude oil in that year. As the destination of around 42% of the Emirate's total crude oil exports, Japan is the top importer. In the same year, the Emirate exported 7.346 million metric tons of refined oil products, of which Japan bought 17% (again the top importer), followed by South Korea, which purchased 14%.

LNG exports increased marginally by 9,000 metric tons in 2008 compared to 2007, reaching 13.53 million metric tons. Japan topped the list of importers, purchasing 53% of the LNG shipments. LNG exports to Indonesia shot up 173% in 2008 compared to the previous year, reaching 120,000 metric tons. Dolphin Energy is the company responsible for importing natural gas to the Emirate, which amounted to 287,620 million cubic feet in 2009 at a daily average of 788 million cubic feet.

### 1.2.10. Exports of Crude Oil by Countries, 2007

(Thousand Barrels)

Countries	Quantity	%
Total	814,939	100
Japan	347,450	42.6
Korea	138,606	17.0
Thailand	91,854	11.3
India	60,925	7.5
Singapore	43,550	5.3
China	28,311	3.5
Australia	21,998	2.7
Taiwan	20,181	2.5
Pakistan	18,886	2.3
Kenya	9,811	1.2
Philippines	7,759	1.0
France	6,837	0.8
New Zealand	6,270	0.8
USA	4,493	0.6
Bangladesh	3,498	0.4
Tanzania	1,381	0.2
South Africa	927	0.1
Indonesia	675	0.1
Spain	572	0.1
Srilanka	525	0.1
Malaysia	430	0.1

Source: Abu Dhabi National Oil Company - ADNOC

### 1.2.11. Exports of Refined Petroleum Products by Countries

(Metric Tons)

Countries	2006		2007	
	Volume	%	Volume	%
Total	9,591,748	100	7,346,183	100
Argentina	40,775	0.4	3,640	0.0
Belgium	136,303	1.4	0	0.0
Brazil	569,818	5.9	408,490	5.6
China	214,571	2.2	0	0.0
Denmark	0	0.0	65,153	0.9
France	664,344	6.9	288,145	3.9
Holland	887,996	9.3	947,476	12.9
Hong Kong	33,853	0.4	0	0.0
India	267,850	2.8	573,663	7.8
Iran	23,960	0.2	52,368	0.7
Italy	36,841	0.4	0	0.0
Japan	1,667,237	17.4	1,278,922	17.4
Kenya	166,091	1.7	111,352	1.5
Korea	1,133,787	11.8	1,027,627	14.0
Malaysia	95,541	1.0	47,898	0.7
Mozambique	0	0.0	35,484	0.5
Oman	75,081	0.8	90,278	1.2
Pakistan	300,966	3.1	59,557	0.8
Rwanda	11,200	0.1	10,150	0.1
Seychelles	17,046	0.2	40,184	0.5
Singapore	212,303	2.2	104,783	1.4
South Africa	443,383	4.6	37,009	0.5
Spain	0	0.0	32,321	0.4
Sri Lanka	54,476	0.6	48,213	0.7
Sudan	0	0.0	39,928	0.5
Taiwan	604,162	6.3	799,363	10.9
Tanzania	134,666	1.4	6,000	0.1
Thailand	52,373	0.5	0	0.0
UK	1,284,160	13.4	789,689	10.7
Uganda	7,850	0.1	12,550	0.2
Yemen	78,479	0.8	56,071	0.8
Others	376,636	3.9	379,869	5.2

Source: Abu Dhabi National Oil Company - ADNOC

### 1.2.12. Natural Gas Imports

(Million Cubic Feet)

Item	2008	2009
Volume of imports	294,133	287,620
Daily average	804	788

Source: Dolphin Energy

### 1.2.13. Exports of Liquefied Natural Gas by Countries

(Thousand Metric Tons)

Countries	2007		2008	
	Volume	%	Volume	%
Total	13,521	100	13,530	100
Japan	6,834	50.5	7,152	52.9
China	518	3.8	577	4.3
Korea	5,051	37.4	4,537	33.5
India	621	4.6	650	4.8
Turkey	45	0.3	88	0.7
Brazil	46	0.3	88	0.7
Taiwan	115	0.9	98	0.7
Indonesia	44	0.3	120	0.9
Vietnam	30	0.2	0	0.0
Australia	100	0.7	0	0.0
France	66	0.5	0	0.0
Thailand	26	0.2	0	0.0
Mauritius	25	0.2	16	0.1
Gibraltar	0	0.0	26	0.2
USA	0	0.0	28	0.2
South Africa	0	0.0	15	0.1
Others	0	0.0	135	1.0

Source: Abu Dhabi National Oil Company - ADNOC

### 1.2.14. Liquefied Natural Gas Exports by Continents

(Thousand Metric Tons)

Continents	2007		2008	
	Quantity	%	Quantity	%
Total	13,521	100	13,530	100
Asia	13,239	97.9	13,135	97.1
Europe	111	0.8	249	1.8
South America	46	0.3	88	0.7
Africa	25	0.2	31	0.2
North America	0	0.0	27	0.2
Australia	100	0.7	0	0.0

Source: Abu Dhabi National Oil Company - ADNOC

### 1.2.15. Key Indicators of Re- Exports

(Million AED)

Re - Exports of Goods	2008	2009
Total	6,242	8,694
Agricultural raw materials re -exports	31.1	24.7
Food re - exports	115.9	77.0
Manufactures re - exports	5529.1	8024.9
Ores and metals re - exports	42.1	12.7
Other re - exports goods	523.8	554.9

Source: Statistics Centre - Abu Dhabi

**1.2.16. Re- Exports by Sections of the Harmonized System (HS)**  
( Million AED)

Commodity	2005	2007	2008	2009
<b>Total</b>	<b>7,921.6</b>	<b>5,615.0</b>	<b>6,242.0</b>	<b>8,694.2</b>
Live animals and their products	37.7	47.1	40.9	32.9
Vegetables products	45.0	55.9	55.2	19.0
Animals or vegetable fats, oil and waxes	27.8	4.3	3.5	9.7
Foodstuffs, beverages, spirits and tobacco	50.9	22.7	31.9	29.0
Mineral products	52.1	46.0	20.5	55.9
Products of the chemical or allied industries	101.8	237.8	206.5	271.1
Plastic, rubber and articles thereof	94.8	92.7	146.0	109.1
Articles of leather and animal gut; travel goods	10.2	12.4	40.1	138.5
Articles of wood, cork; Basket ware and wickerwork	26.9	80.4	55.9	38.6
Pulp if wood, waste, scrap and article of paper	56.4	29.7	32.0	176.6
Textiles and textile articles	480.3	592.1	290.8	782.8
Footwear, umbrella, articles of feather and hair	65.8	23.4	26.6	41.4
Articles of stone, mica; ceramic products and glass	55.8	85.8	139.3	88.2
Pearls, stones, precious metals and its articles	4.1	25.2	109.4	56.6
Base metals and articles of base metals	534.5	348.2	412.5	377.3
Machinery, sound recorder, reproducers and parts	3,503.0	2,137.3	2,583.8	4,311.3
Vehicles of transport	2,468.0	1,476.0	1,371.5	1,494.3
Photographic, medical, musical instruments and parts	68.9	231.6	138.2	96.0
Arms and ammunition; parts and accessories	1.7	14.4	1.5	2.9
Miscellaneous manufactured articles	235.3	51.0	41.2	65.4
Work of art, collectors pieces and antiques*	0.5	1.0	494.8	497.6

Source: Finance Department - Customs Administration

\*During 2008, new articles were inserted in this section, which is then reclassified according to the needs of individual countries



### 1.2.17. Re-exports by Continent

(Million AED)

Continent / Region	2008		2009	
	Value	%	Value	%
Total	6,242.0	100	8,694.2	100
Asia	5,129.8	82.2	7,474.6	86.0
Africa	398.0	6.4	309.6	3.6
Europe	586.1	9.4	771.2	8.9
Americas	116.6	1.9	103.7	1.2
Oceania	11.6	0.2	35.1	0.4

Source: Statistics Centre - Abu Dhabi

### 1.2.18. Re - Exports to GCC Countries

(Million AED)

Country	2008		2009	
	Value	%	Value	%
Total	3,640.5	100	5,951.6	100
Bahrain	611.6	16.8	1,928.4	32.4
Qatar	894.5	24.6	1,572.1	26.4
Saudi Arabia	859.5	23.6	1,207.2	20.3
Sultanate of Oman	1,002.1	27.5	715.6	12.0
Kuwait	272.8	7.5	528.3	8.9

Source: Department of Finance - Customs Administration

### 1.2.19. Re-exports by Mode of Shipping

(Million AED)

Mode of shipping	2008		2009	
	Value	%	Value	%
Total	6,242.0	100	8,694.2	100
Air	2,297.4	36.8	5,253.7	60.4
Marine	2,244.5	36.0	1,904.7	21.9
Road	1,700.1	27.2	1,535.8	17.7

Source: Department of Finance - Customs Administration

### 1.2.20. Top Trade Partners (Re-exports)

(Million AED)

Country	2008		2009	
	Value	%	Value	%
Total	6,242.0	100	8,694.2	100
Bahrain	611.6	9.8	1,928.4	22.2
Qatar	894.5	14.3	1,572.1	18.1
Saudi Arabia	859.5	13.8	1,207.2	13.9
Sultanate of Oman	1,001.7	16.1	715.6	8.2
Kuwait	272.8	4.4	528.3	6.1
India	719.1	11.5	457.0	5.3
Turkmenistan	160.3	2.6	239.4	2.8
Jordan	59.7	1.0	237.0	2.7
Singapore	97.8	1.6	204.0	2.4
Italy	18.5	0.3	133.5	1.5
Others	1546.6	24.8	1471.7	16.9

Source: Department of Finance - Customs Administration

### 1.2.21. Key Indicators of Imports

(Million AED)

Imports of Goods	2008	2009
Total	90,277	93,872
Agricultural raw materials imports	613.8	322.2
Food imports	5,014.5	4,945.8
Manufactures imports	81,521.7	83,518.0
Ores and metals imports	1,721.6	759.7
Other goods imports	1,405.5	4,326.5

Source: Statistics Centre - Abu Dhabi

**1.2.22. Commodity Imports by Sections of the Harmonized System (HS)**  
(Million AED)

Commodity	2005	2007	2008	2009
Total	35,214.3	63,342.8	90,277.1	93,872.2
Live animals and their products	980.1	1,376.2	1,812.5	1,784.3
Vegetables products	1,257.5	1,745.7	2,043.7	2,869.3
Animals or vegetable fats, oil and waxes	182.6	210.9	481.0	268.1
Foodstuffs, beverages, spirits and tobacco	812.3	1,041.9	1,260.7	1,408.7
Mineral products	537.0	1,082.6	1,617.1	1,619.7
Products of the chemical or allied industries	2,385.4	3,076.3	3,838.8	3,956.5
Plastic, rubber and articles thereof	2,279.9	4,007.5	4,589.0	3,865.5
Articles of leather and animal gut; travel goods	106.9	231.1	65.0	82.7
Articles of wood, cork; Basket ware and wickerwork	388.0	699.0	863.7	516.7
Pulp of wood, waste, scrap and article of paper	690.7	926.6	1,230.5	1,067.0
Textiles and textile articles	661.5	812.6	963.4	970.9
Footwear, umbrella, articles of feather and hair	107.6	116.7	139.9	116.7
Articles of stone, mica; ceramic products and glass	909.2	1,568.0	2,446.7	2,640.5
Pearls, stones, precious metals and its articles	106.9	201.2	195.5	413.1
Base metals and articles of base metals	5,428.6	10,801.0	18,574.6	14,997.7
Machinery, sound recorder, reproducers and parts	9,133.3	20,298.6	27,167.6	30,584.7
Vehicles of transport	7,647.7	12,158.5	20,398.1	23,024.5
Photographic, medical, musical instruments and parts	780.2	1,267.3	1,523.1	2,069.1
Arms and ammunition; parts and accessories	375.9	1,035.2	75.8	231.4
Miscellaneous manufactured articles	435.1	660.7	853.0	971.2
Work of art, collectors pieces and antiques*	7.8	25.2	137.7	413.7

Source: Finance Department - Customs Administration

\*During 2008, new articles were inserted in this section, which is then reclassified according to the needs of individual countries

### 1.2.23. Imports of Goods by Continent

(Million AED)

Continent / Region	2008		2009	
	Value	%	Value	%
Total	90,277.0	100	93,872.2	100
Asia	44,673.4	49.5	42,498.8	45.3
Africa	848.7	0.9	1,487.7	1.6
Europe	33,066.5	36.6	33,812.3	36.0
Americas	10,989.5	12.2	15,167.4	16.2
Oceania	699.0	0.8	906.1	1.0

Source: Statistics Centre - Abu Dhabi

### 1.2.24. Imports From GCC Countries

(Million AED)

Country	2008		2009	
	Value	%	Value	%
Total	16,423.1	100	13,088.0	100
Saudi Arabia	12,790.3	77.9	9,559.4	73.0
Qatar	1,473.3	9.0	1,400.3	10.7
Bahrain	661.1	4.0	912.8	7.0
Kuwait	1,111.7	6.8	847.1	6.5
Sultanate of Oman	386.8	2.4	368.5	2.8

Source: Department of Finance - Customs Administration

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

### 1.2.25. Top Trade Partners (Imports)

(Million AED)

Country	2008		2009	
	Value	%	Value	%
Total	90,277.0	100	93,872.2	100
USA	9,146.3	10.1	12,571.1	13.4
Germany	8,627.4	9.6	10,155.7	10.8
Saudi Arabia	12,790.5	14.2	9,559.4	10.2
Japan	10,857.6	12.0	8,752.4	9.3
Korea	1,610.2	1.8	8,093.5	8.6
Italy	5,236.3	5.8	5,357.3	5.7
France	4,456.7	4.9	4,802.8	5.1
UK	3,544.8	3.9	3,831.4	4.1
China	4,037.3	4.5	2,944.9	3.1
India	2,106.8	2.3	2,080.0	2.2
Others	27,863.1	30.9	25,723.8	27.4

Source: Department of Finance - Customs Administration

### 1.2.26. Imports by Mode of Shipping

(Million AED)

Mode of Shipping	2008		2009	
	Value	%	Value	%
Total	90,277.0	100	93,872.2	100
Marine	55,687.2	61.7	57,423.3	61.2
Road	24,428.1	27.1	19,380.5	20.6
Air	10,161.7	11.3	17,068.4	18.2

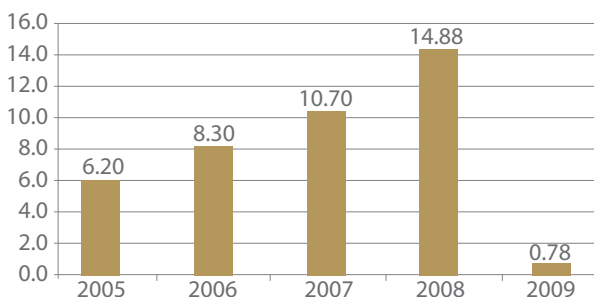
Source: Department of Finance - Customs Administration

### 1.3. Prices

Price statistics are among the most important indicators produced by statistical bureaux. Two of the key price indices issued by the Statistics Centre - Abu Dhabi are the Consumer Price Index (CPI) with 2007 as the base year and the Building Materials Price Index (BMPI) with 2009 as the base year. The price index measures the average change in the cost of a basket of goods and services between two periods of time. The reference period used as a standard of comparison is called the base period and the time over which prices are measured against the base period is called the comparison period. Annual and monthly inflation rates can be calculated from estimates of the CPI. The results of CPI calculations are outlined below:

- The inflation rate in 2009 was 0.78% compared with 14.88% in 2008; this was a result of a rise in the CPI from 114.9 points in 2008 to 115.8 points in 2009.
- This means that the rate of increase in the prices of the consumer basket for the year 2009 compared with 2008 was less than one percent. In other words, the price of a specific set of goods and services costing the consumer AED 1000 in 2008 rose in 2009 to AED 1007.8.
- Housing, water, electricity, gas and other fuels contributed 223.3% to the total inflation rate in 2009, primarily due to an increase of 5.4% in rental costs.
- Education contributed 38.8% to the 2009 inflation rate, mainly due to an increase of nearly 11% in tuition fees.
- Clothing and footwear slowed down the annual inflation rate by 77.3%. The negative contribution was caused by the decrease in this group's prices by 5.5%, mainly due to a decrease of 3.3% in clothing prices and a fall of 23.5% in footwear prices.
- Food and non-alcoholic beverages contributed to a reduction of 69.1% in the inflation rate due to a drop in the prices in most of its sub-groups.

**Figure 1.3.1: Annual Rates of Inflation**



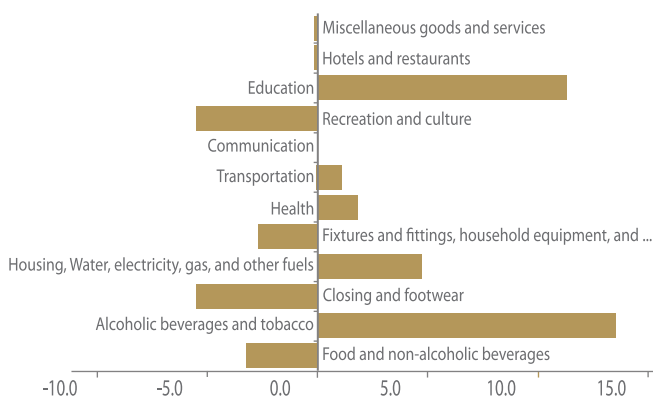
### 1.3.1. Expenditure Groups by Contribution to the Overall Change in Prices, 2009 Compared with 2008

(%)

Major Expenditure Groups	Weight (100.0)	Relative Change	Contribution
Food and non-alcoholic beverages	16.10	-3.2	-69.1
Alcoholic beverages and tobacco	0.30	13.5	3.8
Clothing and footwear	9.80	-5.5	-77.3
Housing, water, electricity, gas, and other fuels	37.90	4.7	223.3
Fixtures and fittings, household equipment, and routine household maintenance	4.80	-2.7	-16.6
Health	0.80	1.8	1.9
Transportation	9.70	1.1	13.2
Communication	7.70	0.0	-0.3
Recreation and culture	2.40	-5.5	-16.7
Education	2.60	11.3	38.8
Hotels and Restaurants	3.40	-0.1	-0.4
Miscellaneous goods and services	4.60	-0.1	-0.5

Source: Statistics Centre - Abu Dhabi

**Figure: 1.3.2. Relative Change in Average Prices of the Main Expenditure Groups in 2009 Compared with 2008**



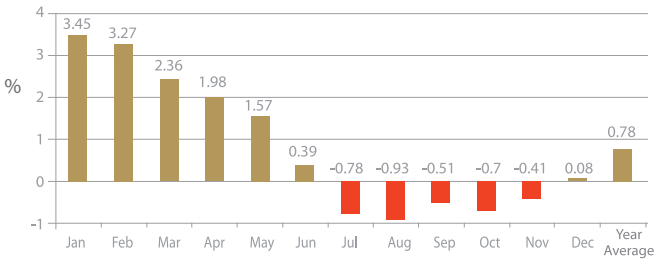
### 1.3.2. Percentage Change in the Prices of Main Expenditure Groups (2007=100)

Groups of Expenditure	Weight (100.0)	Percentage Change	
		2008	2009
Food and non - alcoholic beverages	16.1	20.9	-3.2
Alcoholic beverages, tobacco and narcotics	0.3	1.3	13.5
Clothing and footwear	9.8	29.6	-5.5
Housing, water, electricity, gas and other fuels	37.9	12.8	4.7
Furnishing, household equipment and routine household maintenance	4.8	15.5	-2.7
Health	0.8	10.4	1.8
Transport	9.7	7.4	1.1
Communication	7.7	-0.1	0.0
Recreation and culture	2.4	11.9	-5.5
Education	2.6	19.0	11.3
Restaurant and hotels	3.4	23.9	-0.1
Miscellaneous goods and services	4.6	14.5	-0.1

Source: Statistics Centre - Abu Dhabi



**Figure: 1.3.3. Annual Inflation Rates for the Months of 2009**



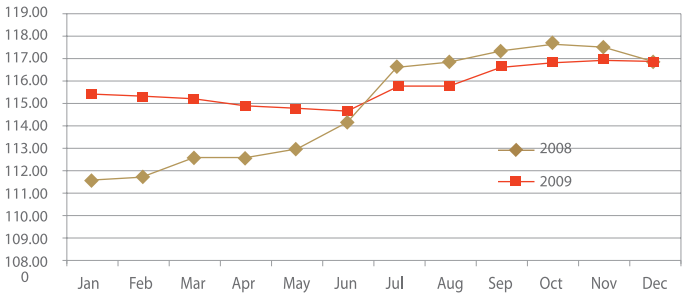
**1.3.3. Monthly CPI**

(2007=100)

Month	2008		2009	
	CPI	Current Month - Previous Month	CPI	Current Month - Previous Month
January	111.56		115.41	-1.56
February	111.70	0.14	115.35	-0.06
March	112.54	0.84	115.20	-0.15
April	112.67	0.13	114.90	-0.30
May	112.97	0.31	114.75	-0.15
June	114.15	1.18	114.60	-0.15
July	116.67	2.52	115.76	1.17
August	116.84	0.17	115.75	-0.02
September	117.31	0.47	116.71	0.96
October	117.70	0.38	116.87	0.16
November	117.53	-0.16	117.05	0.18
December	116.97	-0.56	117.07	0.02

Source: Statistic Centre - Abu Dhabi

**Figure: 1.3.4. CPI for the Months of 2008 and 2009**



**1.3.4. CPI for 2008 and 2009 and Annual Inflation Rates**

Year	CPI	Inflation Rate
2007	100.00	--
2008	114.88	14.88
2009	115.79	0.78

Source: Statistic Centre - Abu Dhabi

## **Building Materials Price Index (Simple Relative Index )**

The building materials price index dropped by 7.7% in 2009 compared with 2008. The decline represents the net change in the prices of all the items constituting the index. Prominent among these changes were:

- A decline in prices of the cement group by 6.6% below its level in 2008, during which the group had surged 19.8% compared with 2007.
- A rise in the average prices of aggregate and sand in 2009 by 6.7% above those applicable in 2008. This was broken down into a surge of 36.2 % in aggregate prices although sand prices actually retreated by 8.8%.
- Average concrete prices dropped by 13.5% in 2009 compared with 2008. Concrete prices had continued to rise since 2007, reaching their peak in the third quarter of 2008, after which they started to lose ground.
- The price of steel plummeted by 43.9% in 2009 below the average price of 2008.
- The average price of wood edged down by 0.9% in 2009 compared with 2008.
- The average price of cement blocks surged 36.1% in 2009, compared with 2008.

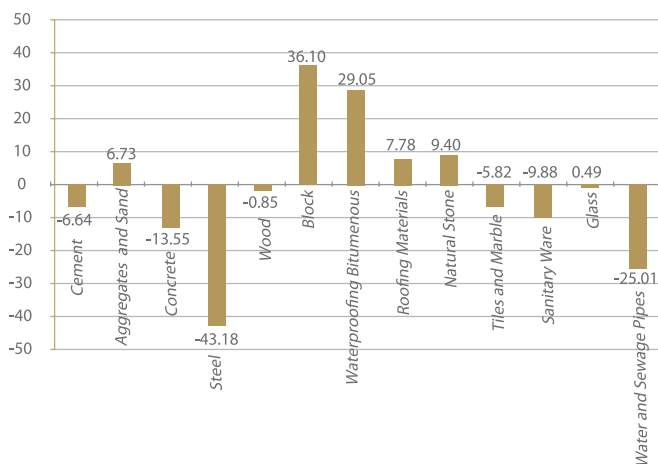
### 1.3.5. Percentage Change in Prices of the Main Groups of Building Materials in 2009 Compared to 2008

(Price in AED)

Groups	Average Price 2008	Average Price 2009	Percentage Change
Cement	605.50	553.40	-6.6
Aggregates and Sand	45.67	49.37	6.7
Concrete	435.20	376.40	-13.6
Steel	3,599.13	1,947.78	-43.2
Wood	211.48	211.89	-0.9
Cement Blocks	2,329.45	3,079.09	36.1
Waterproofing Bitumenous Membrane	10.00	12.85	29.1
Roofing Materials	18.00	19.40	7.8
Natural Stone	106.80	118.87	9.4
Tiles and Marble	121.95	120.85	-5.8
Sanitary Ware	3,839.34	3,542.49	-9.9
Glass	57.36	58.40	0.5
Water and Sewage Pipes	59.07	46.51	-25.0

Source: Statistics Centre - Abu Dhabi

**Figure: 1.3.5 Percentage Change in Prices of the Main Group of Building Materials in 2009 Compared with 2008**



## 1.4. Financial Statistics

This section sets out the key indicators of the financial intermediation activity and includes statistics from the Survey of Banks and Financial Establishments for 2007, in addition to the main performance indicators of the Abu Dhabi Securities Market. In 2009, there were 191 financial establishments in the Emirate.

The percentage contribution of financial and insurance establishments to GDP in 2009 was 5.8%. In the securities market, the value of shares traded accounted for 12.8% of GDP for 2009.

Nevertheless, the market capitalization of the shares traded remained unaffected, reaching AED 294.6 billion. Moreover, the year 2009 saw the number of companies listed on the Abu Dhabi Securities Market grow to 67 companies.

### 1.4.1. Key Statistics of Capital Market Sector

Indicators	2007	2008*	2009*
Share in GDP (%)	5.0	4.5	5.8
Gross output (% of GDP)	5.5	4.9	7.2
Capital formation (% GDP)	0.15	0.16	0.20
Compensation of employees (Million AED)	3,456	4,121	4,628

Source: Statistics Centre-Abu Dhabi

\*Preliminary Estimates

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

Indicators	2005	2007	2008	2009
Total Listed Domestic Companies	55	59	60	62
Market Capitalization (Billion AED)	486.4	445.1	252.7	294.6
Market Capitalization (% of GDP)	126.9	81.6	37.9	53.9
Value Traded (Billion AED)	104.7	175.3	232.2	70.2
Value Traded (% of GDP)	27.3	32.2	34.8	12.8
Turnover Ratio (%)	21.5	39.4	91.9	23.8

Source: Abu Dhabi Securities Exchange-ADX

## 1.5. Government Finance

This section includes data on the revenues and expenditures of the Abu Dhabi Government. Oil accounted for 89.2% of revenues for 2009. The current revenues of departments and capital revenues accounted respectively for 8.1% and 2.7% of the total revenue for the year under review.

Current expenditure consumed 60.8% of total expenditure in 2009, with current transfers, salaries & wages and goods & services making up 39.8%, 9.8% and 11.2%, respectively. Capital expenditure accounted for the remaining 39.2%. Capital transfers, development expenditure on Government projects and capital expenditure (on goods and services) accounted respectively for 27.9%, 10.9% and 0.4%, of this figure.

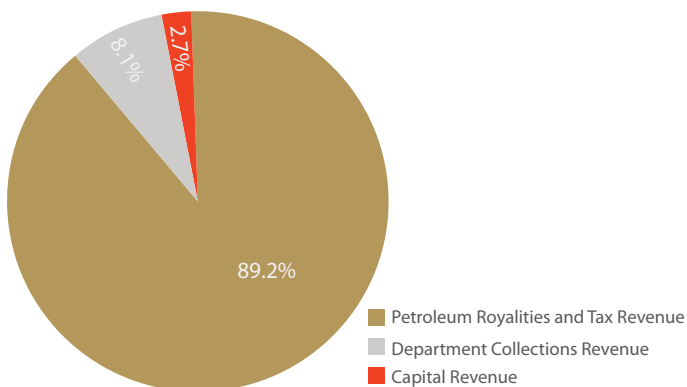
### 1.5.1. Percentage Distribution of Government Revenues

Item	2005	2007	2008	2009*
Total	100	100	100	100
Petroleum Royalties and Tax Revenue	85.9	91.6	92	89.2
Department collections Revenue	11.6	6.5	6.4	8.1
Capital Revenue	2.5	1.9	1.6	2.7

Source: Statistics Centre - Abu Dhabi

\*Preliminary estimates

Figure 1.5.1 Percentage Distribution of Government Revenues, 2009



### 1.5.2. Percentage Distribution of Public Expenditures

(%)

Relative Weight	2005	2007	2008	2009*
Total	100	100	100	100
Current expenditures	77.6	76.2	64.3	60.8
Salaries and wages	15.4	13.4	11.4	9.8
Good and services	15.2	12.5	10.8	11.2
Current transfers	47.0	50.3	42.1	39.8
Capital expenditures	22.4	23.8	35.7	39.2
Development expenditures	12.8	4.8	7.2	10.9
Capital expenditures goods & services	1.0	0.7	0.2	0.4
Capital transfers	8.6	18.3	28.3	27.9

Source: Statistics Centre- Abu Dhabi

\* Preliminary estimates

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

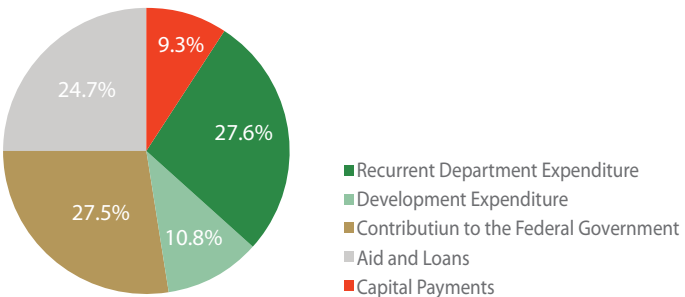
(%)

Item	2005	2007	2008	2009*
Total Expenditure	100	100	100	100
Recurrent Department Expenditure	23.7	31.9	26.3	27.6
Development Expenditure	11.8	4.0	6.9	10.8
Contribution to the Federal Government	42.4	35.8	31.8	27.5
Aid and Loans	18.2	21.2	28.0	24.7
Capital Payments	3.9	7.1	7.0	9.3

Source: Statistics Centre- Abu Dhabi

\* Preliminary estimates

Figure 1.5.2. Percentage Distribution of Public Expenditure by Type, 2009



## 1.6. Wages and Compensation

Labour compensation statistics are among the key figures provided by the Statistics Centre - Abu Dhabi. They include the salaries and wages of employees and their benefits in cash and in kind.

The compensation received by workers in all economic activities totalled AED 90.1 billion in 2009, compared with AED 83.0 billion in 2008 and AED 72.2 billion in 2007.


### 1.6.1. Compensation of Employees by Economic Activities at Current Prices (Million AED)

Economic Activity	2007	2008*	2009*
Total	72,201	83,018	90,080
Commodity Activities	26,003	30,437	31,917
Agriculture, Live stock and fishing	1,522	1,537	1,603
Mining and quarrying	4,878	5,448	5,962
Manufacturing industries	6,194	7,214	7,523
Electricity, gas and water	1,330	1,420	1,502
Construction	12,078	14,817	15,327
Services Activities	46,198	52,581	58,163
Wholesale & retail trade and repairing services	7,416	7,882	8,488
Hotels and restaurants	1,508	1,723	1,936
Transport, storage and communications	6,884	7,755	8,242
Financial institutions and insurance	3,456	4,121	4,628
Real Estate and Business services	8,175	9,525	10,213
Social and Personal services	616	671	736
Public Administration and Defense	11,571	13,703	15,952
Domestic Services of household	1,011	1,150	1,321
Education	4,425	4,816	5,289
Health	1,136	1,237	1,358

Source: Statistics Centre - Abu Dhabi

\* Preliminary estimates





## **2. Industry and Business**

- General
- Industrial Activities

# Industry and Business

The activities of industry and business fall into two broad areas: a general sector encompassing various investment activities and the industrial sector, which is broken down into several activities, namely, aerospace and defence, basic industrial materials, capital markets, construction, energy, information technology, telecommunications, media, oil and gas, oil and gas services, petrochemicals, real estate, refining, renewable energy, transport, tourism and travel.

Prominent among these indicators is Abu Dhabi's oil reserves, which stood at 92.2 billion barrels in 2009, while the Emirate's total natural gas reserves for the same year amounted to 212 trillion cubic feet. In 2008, average production of crude oil was 2.2 million barrels per day, while that of natural gas was 5,674 million cubic feet per day. Electrical power generation reached 39,189,000 MWH in 2009, compared to 34,452,127 MWH in 2008. However, per capita electricity consumption in 2009 actually fell to 14.73 MWH from 14.76 MWH in 2008.

In the transport sector, 668,830 new and renovated vehicles were licensed during 2009. Aircraft movements in and out of the airports of Abu Dhabi and Al Ain were 105,392 in 2009.

The number of mobile phone lines for the same year stood at 2,898,162, while broadband Internet subscriptions reached 319,413.

2009

Total businesses registered	76,943
Proven oil reserves (billion barrels)	92.2
Proven gas reserves (trillion cubic feet)	212
Average daily oil production (000 barrels), 2008	2,464
Average daily gas production (million cubic feet)	5,674
Electrical energy generated (MWH)	39,189,000
Percapita electricity consumption (MWH)	14.73
Motor vehicles and machinery (new/renewals)	668,830
Total air craft movement	105,392
Number of mobile telephone lines, 2008	2,898,162
Number of Internet lines, 2008	413,319
Number of hotel establishments	110
Number of guests (000)	1,540

## 2.1. Investment Climate

An ideal business environment is made up of manifold elements and factors that can mutually contribute towards building a broad and diverse economic base. The Emirate of Abu Dhabi has come a long way in this respect and it can be argued that the Emirate's current progress and prosperity are largely due to presence of such environment.

There are several underlying factors behind the Emirate's attractive investment climate, including a strategic geographic location, a highly developed infrastructure, the miscellaneous facilities offered by the Emirate's free zones and industrial cities, very low tax, easy access to energy sources and credit facilities, etc.

There is ample potential for further improving the local business environment and attracting more foreign investments in selected sectors to boost the value-added elements of the local economy and orient it towards larger Non-oil exports. Abu Dhabi is set to achieve a notable success in the foreseeable future in creating an integrated investment climate and optimising it to meet international standards in a way that would help to transform the Emirate into a regional financial and business centre.

### 2.1.1. General Indicators of the Investment Climate

Investment climate	2007	2008	2009
Total businesses registered (number)	62,991	73,677	76,943
New businesses registered (number)	na	10,686	3,266
Business entry rate (new registrations as % of total)	na	14.5%	4.2%

Source : Department of Economic Development

### 2.1.2. Key Statistics of Wholesales & Retail Trade and Repairing Services

Indicators	2007	2008*	2009*
Share in GDP (%)	4.8	4.3	5.5
Gross Output (% of GDP)	6.3	5.5	7.3
Capital Formation (% of GDP)	0.3	0.3	0.4
Compensation of Employees(Million AED)	7,416	7,882	8,488

Source: Statistics Centre - Abu Dhabi

\* Preliminary estimates

## 2.2. Manufacturing

Manufacturing industries represent one of the activities considered central by the Emirate of Abu Dhabi in achieving sustainable development over the next few years.

Manufacturing makes up 29.3% of the total output of industrial activity and accounted for 12.4% of the value added in 2009.

One of the Emirate's key manufacturing activities is the basic metals industry, which is key to the development of the manufacturing activity. In 2009, there were 29 industrial facilities in the basic metals sub-sector. They accounted for 4.5% of value-added and 36.2% of gross fixed capital formation of manufacturing activity in 2009.

### 2.2.1. Key Statistics of the Manufacturing Activity

Manufacturing Activity	2007	2008 *	2009 *
Share in GDP (%)	6.5	5.8	7.4
Gross output (% of GDP)	19.4	17.5	23.4
Capital formation (% of GDP) .	1.8	1.6	2
Compensation of employees (million AED)	6,194.0	7,214	7,523

Source: Statistics Centre - Abu Dhabi

\*Preliminary estimates

**2.2.2. Gross Output and Value Added of Manufacturing Activity, 2007**  
(Million AED)

Type of Manufacturing Activity	Gross Output	Value Added
Total	106,217.7	35,270.1
Food, beverages and tobacco	2,499.9	862.7
Textiles, garments and leather products	1,449.7	801.9
Wood and wood products	1,134.3	625.8
Paper, printing, publishing and reproduction media	1,170.0	683.2
Chemicals and plastics and related products	65,938.9	18,093.4
Non-metallic mineral products (except oil)	8,027.5	3,234.1
Basic metal	5,944.8	1,588.8
Structural metal products except machinery and equipment	5,648.0	2,712.3
Metal products, machinery, equipment and devices	14,081.6	6,472.6
Furniture	323.0	195.3

Source: Statistics Centre - Abu Dhabi

### 2.2.3. Paid up Capital and Gross Fixed Capital Formation of the Manufacturing Industries Activity, 2007

(Million AED)

Type of Manufacturing Activity	Paid Up Capital	Gross Fixed Capital Formation
Total	10,129.2	10,292.7
Food, beverages and tobacco	584.5	89.1
Textiles, garments and leather products	430.1	27.7
Wood and wood products	269.2	62.4
Paper, printing, publishing and reproduction media	422.4	394.1
Chemicals and plastics and related products	3,497.3	4,778.4
Non-metallic mineral products (except oil)	1,575.9	515.2
Basic metal	1,595.2	3,726.6
Structural metal products except machinery and equipment	1,011.6	324.5
Metal products, machinery, equipment and devices	664.3	361.6
Furniture	78.7	13.1

Source: Statistics Centre - Abu Dhabi

### 2.2.4. Key Statistics of Basic Metals and Manufacturing Activity

Basic Metal and Manufacturing Activity	2007	2008*	2009*
Share in GDP (%)	0.29	0.26	0.33
Gross output (% of GDP)	1.08	0.98	1.3
Capital formation (% of GDP)	0.68	0.61	0.75
Compensation of employees (million AED)	201	235	245
Imports (% of total imports)	na	16.6	12.2
Exports (% of total exports)	na	0.1	na

Source: Statistics Centre - Abu Dhabi

\* Preliminary estimates

## 2.3. Oil and Gas

The Emirate of Abu Dhabi is one of the world's major producers of oil, which was first discovered in commercial quantities 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.

Abu Dhabi now ranks sixth worldwide in terms of proven oil reserves, sitting atop 10% of the world's oil reserves and accounting for 8% of OPEC's production. The Emirate also ranks seventh worldwide in terms of natural gas reserves. Oil revenues constitute the main source of funding for Abu Dhabi's programmes of sustainable development and income diversification.

The value added of this activity contributes 60% of the Emirate's GDP, leading the Government to adopt a plan aimed at diversifying the economic base and reducing this ratio to 36% by 2030. Such diversification is regarded as the only true guarantee of a balanced and sustainable development.

Abu Dhabi plans to build a third refinery in the Emirate of Fujairah with a capacity of 300,000 bpd.

This section presents statistics on oil and natural gas activities, including oil production and exports, in addition to data on gas liquefaction and oil refining.

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

Oil and Gas Activity	2007	2008*	2009*
Share in GDP(%)	56.4	60.9	49.4
Gross output (% of GDP)	60.3	64.4	52.8
Capital formation (% of GDP) .	1.5	1.5	1.6
Compensation of employees (million AED)	4,878	5,448	5,962
Imports (% of total imports)	na	0.6	0.7
Exports (% of total exports)	95.9	96.8	na

Source: Statistics Centre - Abu Dhabi

\*Preliminary estimates

### 2.3.2. Proven Oil and Natural Gas Reserves

Item	2005	2007	2008	2009
Oil Reserves (Billion Barrels)	92.2	92.2	92.2	92.2
Natural Gas Reserves (Trillion Cubic Feet)	198	212	212	212

Source: Abu Dhabi National Oil Company - ADNOC



### 2.3.3. Crude Oil Production and Exports

(Thousand Barrels)

Item	2005	2006	2007	2008
<b>Production</b>				
Volume	818,330	838,770	863,225	901,751
Daily Average	2,242	2,298	2,365	2,464
<b>Exports</b>				
Volume	672,330	685,470	814,939	858,012
Daily Average	1,842	1,878	2,233	2,344

Source: Abu Dhabi National Oil Company - ADNOC

Note: Production excludes condensates

### 2.3.4. Crude Oil Prices by Type

(\$/Barrel)

Type of Crude	2005	2006	2007	2008
Murban	53.08	69.79	72.46	97.86
Umm Al-Shaif	52.46	69.01	71.80	96.93
Lower Zakum	53.13	69.82	72.51	97.79
Upper Zakum	48.98	65.64	68.25	93.32
Price Average	51.91	68.97	71.26	96.48

Source: Abu Dhabi National Oil Company - ADNOC

### 2.3.5. Natural Gas Production and Usage

(Million cubic feet)

Item	2005	2006	2007	2008*
<b>Production</b>				
Annual Production	2,069,550	2,118,825	2,157,550	2,076,642
Daily Production	5,670	5,805	5,911	5,674
<b>Usage</b>				
Annual Usage	1,903,986	1,983,370	2,049,673	1,972,810
Daily Usage	5,216	5,434	5,616	5,390
Usage %	92	93	95	95

Source: Abu Dhabi National Oil Company - ADNOC

\*Preliminary estimates

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

(Thousand Metric Tons)

Type of Products	2007		2008	
	Production	Exports	Production	Exports
Total	15,877	15,615	15,690	14,075
LNG	5,830	5,597	5,918	5,787
Propane	3,159	3,141	3,227	3,190
Butane	2,995	2,886	2,957	2,903
Pentane (plus)	1,875	1,958	1,847	1,829
Others (sulpher)	2,018	2,033	1,741	366

Source: Abu Dhabi National Oil Company - ADNOC

### 2.3.7. Prices of Liquefied Natural Gas Products

(\$/Metric Ton)

Type of Product	2005	2006	2007	2008
LNG	283	355	367	497
Propane	388	581	600	768
Butane	392	597	617	783
Pentane (plus)	464	653	675	806
Others (sulpher)	75	147	152	561

Source: Abu Dhabi National Oil Company - ADNOC

### 2.3.8. Production and Usage of Refined Petroleum Products

(Thousand Metric Tons)

Item	2005	2007	2008	2009
<b>Production</b>				
Quantity	18,034	17,961	16,380	17,468
Daily Average	49.40	49.20	44.75	47.85
<b>Domestic Sales</b>				
Quantity	na	6,155	5,699	5,685
Daily Average	na	16.86	15.57	15.58
<b>Exports</b>				
Quantity	7,194	7,346	8,469	9,426
Daily Average	19.71	20.13	23.14	25.83
Refining Capacity	480	485	500	500

Source: Abu Dhabi National Oil Company - ADNOC

### 2.3.9. Production of Refined Petroleum Products

(Thousand Metric Tons)

Type of Product	2005	2007	2008	2009
Total	18,034	17,961	16,380	17,468
LPG	488	604	509.3	521.4
Unleaded Gasoline	1,429.0	2,373	2,163.5	2,440.0
Naphtha	4,669.0	3749	3,684.7	3,804.3
Jet fuel / Kerosene	5,494.0	5,070	4,895.2	5,302.4
Gas oil / diesel	4,217.0	4,210	4,138.8	4,336.1
Heavy Fuel Oil	1,689.0	1,870	904.9	1,022.2
Lubricants	48.0	43	46	na
Sulpher	-	42	37.8	41.1

Source: ADNOC, ADNOC Fod Co.

### 2.3.10. Domestic Sales of Refined Petroleum Products

(Million Imperial Gallon)

Type of Product	Abu Dhabi Emirate		Other Emirates	
	2008	2009	2008	2009
Total	1,528.4	1,593.0	465.3	402.3
LPG	49.92	57.5	12.06	4.77
Unleaded Gasoline	447.1	500.1	154.2	173.5
Jet fuel / Kerosene	430.3	468.5	83.9	69.8
Gas oil / diesel	575.2	557.5	213.3	153.2
Heavy Fuel Oil	17.3	2.1	0.8	---
Lubricants	8.6	7.3	1.0	1.1

Source: ADNOC , ADNOC Fod Co.

### 2.3.11. Export Prices of Refined Petroleum Products

(\$/Metric Ton)

Type of Product	2005	2006	2007	2008
LPG	443	588	608	na
Unleaded Gasoline	500	644	686	961
Naphtha	479	551	658	915
Jet fuel / Kerosene	484	639	665	1,115
Gas oil / Diesel	447	594	614	1,031
Heavy fuel Oil	263	321	361	545

Source: Abu Dhabi National Oil Company - ADNOC

## 2.4. Petrochemicals

The petrochemical industry of the Emirate of Abu Dhabi has been evolving constantly, benefitting from the availability of the basic inputs, which give this sector the opportunity to manufacture high-quality products and ensure market success. The Emirate's basic petrochemical products include polyethylene and fertilisers, such as urea and ammonia.

### 2.4.1. Production and Exports of Petrochemicals Products

(Metric Tons)

Type of Products	2007		2008	
	Production	Exports	Production	Exports
Total	1,670,197	1,156,604	1,658,919	1,188,483
Ammonia	454,212	83,028	456,691	79,886
Urea Fertilizer	640,496	549,611	618,377	583,800
Ethylene and Polyethylene Products	575,489	523,965	583,851	524,797

Source: Abu Dhabi National Oil Company - ADNOC

### 2.4.2. Domestic Sales of Petrochemicals Products

(Metric Tons)

Type of Products	2005	2006	2007	2008
Total	na	na	113,879	121,372
Urea Fertilizer	35,477	47,249	62,355	62,318
Ethylene and Polyethylene Products	na	na	51,524	59,054

Source: Abu Dhabi National Oil Company - ADNOC

### 2.4.3. Prices of Petrochemicals Products

(\$/Metric Tons)

Type of Products	2005	2006	2007	2008
Ammonia	277	235.9	257.2	426
Urea Fertilizer	238	259.6	292.4	500
Ethylene and Polyethylene Products	1,134	1,301	1,521	1,705

Source: Abu Dhabi National Oil Company - ADNOC

## 2.5. Electricity and Water

Mindful of the importance of electricity and water as basic utilities, the Government of Abu Dhabi accords particular attention to the improvement and development of these activities. The current rapid development in this sector dates back to March 1998, which marked the promulgation of the law establishing the Abu Dhabi Water and Electricity Authority (ADWEA) as the higher supervisory authority regulating the water and electricity sector and implementing government policies in this regard.

There are now seven companies producing electrical power and desalinated water. The government fully owns two of them and has a 60% stake in the remaining five. Altogether, the companies operate 17 power and desalination plants. There are also four ADWEA affiliates dealing with water supplies and power transmission and distribution, namely, Abu Dhabi Water and Electricity Company (ADWEC), Abu Dhabi Distribution Company (ADDC), Al Ain Distribution Company (AADC) and Abu Dhabi Transmission and Dispatch Company (TRANSCO), all fully owned by the Emirate of Abu Dhabi.

In 2009 electricity consumption in the Emirate of Abu Dhabi reached 24,214 GWH, of which domestic consumption accounted for around 38%. The share of total electricity consumption of the Abu Dhabi region for the period under review was 64%, followed by Al-Ain region (29%) and the Western region (7%). The Emirate's water consumption totalled 139,826.14 million imperial gallons, of which Abu Dhabi region consumed 52%, Al Ain region 34% and the Western region 14%. Domestic consumption accounted for 40% of the Emirate's total water usage, followed by the agricultural sector (7%).

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

Electricity and water Activity	2007	2008*	2009*
Share in GDP (%)	2.3	2.1	2.8
Gross output (% of GDP)	2.9	2.8	3.5
Capital formation (% of GDP)	1.3	1.2	1.6
Compensation of employees (million AED)	1,330	1,420	1,502

Source: Statistics Centre - Abu Dhabi

\* Preliminary estimates

### 2.5.2. Electrical Power Statistics

(mwh)

Item	2005	2007	2008	2009
Electricity Generation	25,423,862	34,142,472	34,452,127	39,189,000
Electricity Transferred from Takreer Co	-	814,616	-3,354	183,000
Export to Dubai Emirate	-	5,614,875	2,971,274	3,625,000
Electrical Consumption by Power Stations	3,812,660	4,369,801	4,690,532	5,347,206
Distributed Electricity through the Network	21,611,202	24,972,413	26,786,967	30,399,794
Technical Losses Through the Network	2,096,287	2,422,324	2,678,697	3,039,979
Electricity Consumption	19,514,915	22,550,089	23,214,385	24,213,591
Per Capita Electrical Consumption	13.95	14.98	14.76	14.73
Electricity planned capacity (MW)	7,882	8,698	9,637	9,249

Source: Abu Dhabi Water and Electricity Company (ADWEC)

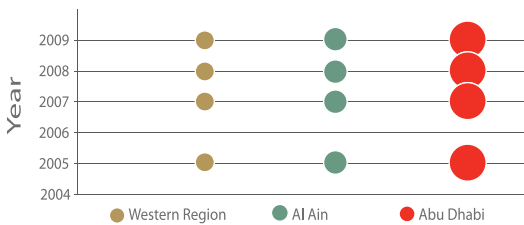
### 2.5.3. Consumption of Electricity by Region

(mwh)

Region	2005	2007	2008	2009
Total Consumption	19,514,915	22,550,089	23,214,385	24,213,591
Abu Dhabi	12,405,768	14,335,249	14,757,544	15,392,749
Al Ain	5,694,628	6,580,319	6,774,176	7,065,744
Western Region	1,414,519	1,634,521	1,682,665	1,755,098

Source: Abu Dhabi Water and Electricity Company (ADWEC)

Figure 2.5.1. Consumption of Electricity by Region



#### 2.5.4. Amount of Electricity Consumed by Sector

(mwh)

Sector	2008	2009
Total	23,214,385	24,213,591
Domestic Sector	9,057,373	9,447,224
Commercial	7,229,755	7,540,950
Government	3,950,201	4,120,227
Agriculture	2,093,270	2,183,370
Industry	687,063	716,632
Other Sectors	196,723	205,188

Source: Abu Dhabi Distribution Company, Al Ain Distribution Company

#### 2.5.5. Fuel Consumption of Electricity and Water Activity

Item	2005	2006	2007	2008
Natural Gas ( Mscft)	356,622	345,915	398,714	425,633
Crude Oil ( 000 Imperial gallons)	7,924	164,506	66,099	284
Gas Oil ( 000 Imperial gallons)	3,369	71,548	18,150	5,402
Fuel Oil ( 000 Imperial gallons)	8	33,923	13,456	455

Source: Abu Dhabi Water and Electricity Company (ADWEC)

#### 2.5.6. Fuel Consumption of Electricity and Water Activity

(Billion BTU)

Item	2005	2006	2007	2008
Total	372,819	404,742	430,238	439,811
Natural Gas	370,973	360,039	414,062	438,757
Crude Oil	1,287	26,722	10,737	78
Gas Oil	558	11,841	3,004	894
Fuel Oil	1	6,140	2,435	82

Source: Abu Dhabi Water and Electricity Company (ADWEC)

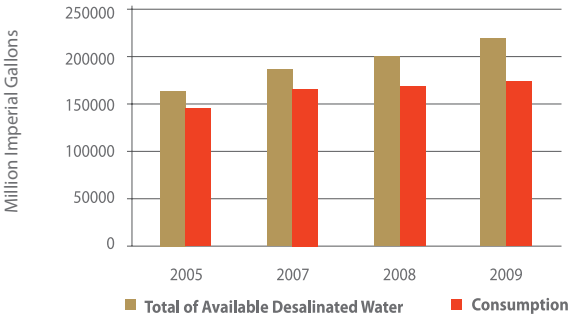
### 2.5.7. Production and Consumption of Desalinated Water

(Million Imperial Gallons)

Item	2005	2007	2008	2009
Total of Available Desalinated Water	163,241	187,703	198,648	211,448
Production	140,100	158,251	172,565	185,955
Supply from Al - Fujairah Station	23,141	29,452	26,083	25,493
Consumption	146,727	166,440	170,202	173,781
Daily Consumption	402	456	465	476
Daily Average per Capita ( Gallon)	287	265	239	215
Desalinated Water planned capacity (MG/D)	652	631	683	684

Source: Abu Dhabi Water and Electricity Company (ADWEC)

Figure 2.5.2. Production and Consumption of Desalinated Water



### 2.5.8. Consumption of Desalinated Water by Region

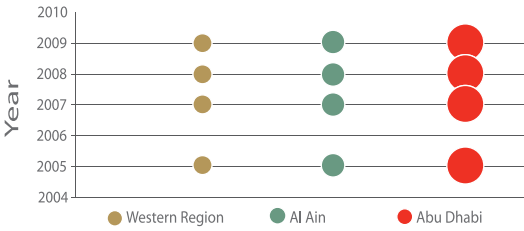
(Million Imperial Gallons)

Region	2005	2007	2008	2009
Total Consumption	146,727	166,440	170,202	173,781
Abu Dhabi	91,048	103,280	105,615	107,837
Al Ain	35,449	40,212	41,121	41,985
Western Region	20,230	22,948	23,466	23,959

Source: Abu Dhabi Water and Electricity Company (ADWEC)



**Figure 2.5.3. Consumption of Desalinated Water by Region**  
(Million Imperial Gallon)



**2.5.9. Consumption of Desalinated Water by Sector**  
(Million Imperial Gallons)

Sector	2008	2009
Total	170,202	173,781
Domestic Sector	116,350	118,797
Commercial	16,259	16,601
Government	28,653	29,255
Agriculture	5,821	5,943
Industry	1,149	1,174
Other Sectors	1,970	2,011

Source: Abu Dhabi Distribution Company, Al Ain Distribution Company

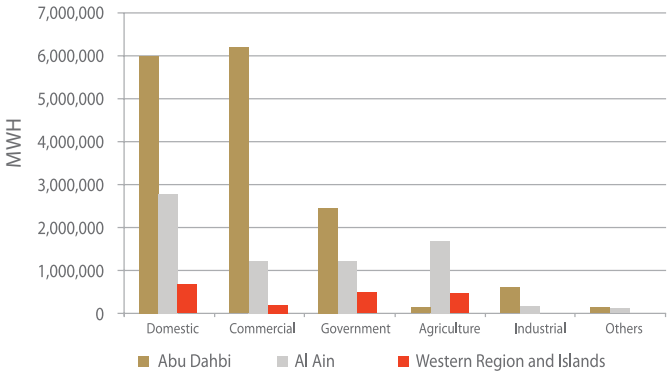
**2.5.10. Electricity Consumption by Sector, 2009\***  
(MWH)

Sector	Abu Dhabi	Al Ain	Western Region and Islands	Total
Total	15,392,749	7,065,744	1,755,098	24,213,591
Domestic	6,004,311	2,781,854	661,059	9,447,224
Commercial	6,201,169	1,167,699	172,082	7,540,950
Government	2,421,572	1,231,969	466,686	4,120,227
Agriculture	88,016	1,657,306	438,048	2,183,370
Industrial	571,933	139,527	5,172	716,632
Others	105,748	87,389	12,051	205,188

Source: Statistic Centre- Abu Dhabi

\* Preliminary estimates

**Figure 2.5.4 Electricity Consumption by Sector, 2009**



**2.5.11. Monthly Availability of Power Transmission System**

(%)

Month	2005	2007	2008	2009
January	97.6	98.7	97.9	96.1
February	96.8	98.5	98.0	96.1
March	96.6	98.6	98.4	96.8
April	97.2	98.5	98.2	97.2
May	98.2	99.2	98.7	96.7
June	99.4	99.0	98.3	97.5
July	99.8	99.1	99.3	98.3
August	99.9	99.5	99.3	99.6
September	99.9	99.6	99.2	99.3
October	99.5	99.1	99.0	99.7
November	99.8	98.5	97.2	99.6
December	98.1	98.3	97.9	99.2

Source: Abu Dhabi Water and Electricity Company (ADWEC)

### 2.5.12. Monthly Availability of Water Transmission System

(%)

Month	2005	2007	2008	2009
January	95.8	95.8	95.8	94.9
February	94.7	95.5	95.9	94.5
March	95.9	95.6	95.3	94.5
April	95.5	95.6	94.7	94.2
May	95.8	95.7	94.6	96.2
June	96.3	97.0	95.0	96.2
July	96.0	96.9	93.3	96.5
August	95.6	96.9	93.8	96.7
September	95.8	96.6	93.8	97.0
October	95.8	96.9	93.8	96.9
November	95.6	96.5	94.1	96.9
December	95.8	96.7	94.5	96.8

Source: Abu Dhabi Water and Electricity Company (ADWEC)

### 2.5.13. Summer Peak Time and Annual Availability of Power Transmission System

(%)

Item	2005	2007	2008	2009
Summer Availability	99.9	99.5	99.3	99.6
Annual Availability Index	98.6	98.9	98.5	98.1

Source: Abu Dhabi Water and Electricity Company (ADWEC)

### 2.5.14. Summer Peak Time and Annual Availability of Water Transmission System

(%)

Item	2005	2007	2008	2009
Summer Availability	95.6	96.9	93.8	96.7
Annual Availability Index	95.7	96.3	94.6	96.0

Source: Abu Dhabi Water and Electricity Company (ADWEC)

## 2.6. Construction

The Emirate of Abu Dhabi has experienced a boom in the construction activity over the course of the past few years. There are several underlying factors behind this trend, prominent among which is the rising demand for new housing units and the massive investments undertaken in construction activity, which contributes 8.60% of the Emirate's GDP.

This section of the Statistical Yearbook provides data on the major economic indicators of the construction activity, along with the number of buildings and housing units according to the general census of population, housing and establishments for 2005. The total number of buildings in Emirate of Abu Dhabi was 117,254, while the number of housing units was found to be 243,251 according to the census data.

The section also contains new tables and updated information on the licenses issued by the municipality, with unified terminology used in the tables issued by all municipalities.

The number of building permits issued in 2009 for residential buildings was 6,662, marking an increase of 77% over the number issued in 2008. In addition, 5,961 non-residential building permits were issued in 2009. Some 20% of the licenses issued were for construction of new buildings, while 32% of the total licenses issued were for buildings' additions permits.

### 2.6.1. Key Statistics of the Construction Industry

Indicators	2007	2008*	2009*
Share in GDP (%)	8.6	7.9	10.1
Gross Output (% of GDP)	14.3	13.5	17.2
Capital Formation (% of GDP)	0.73	0.64	0.89
Compensation of Employees(Million AED)	12,078	14,817	15,327

Source: Statistics Centre - Abu Dhabi

\* Preliminary estimates

### 2.6.2. Number of Buildings by Type and Region, 2005

Type of Building	Grand Total	Abu Dhabi	Al Ain	Western Region	Islands
Total	117,254	40,008	56,540	18,669	2,037
Multistorey	4,271	3,632	519	118	2
Villa	22,345	10,803	9,565	1,910	67
Low cost house	31,008	13,434	14,245	2,734	595
One storey house	26,771	4,602	13,599	7,753	817
Shed	13,124	3,265	8,065	1,727	67
Caravan	6,296	1,365	2,137	2,456	338
Shack / Box / Tent	5,651	293	4,292	1,039	27
Others*	7,788	2,614	4,118	932	124

Source: Department of Economic Development

\* Includes two - storey house

### 2.6.3. Number of Housing Units by Type and Region, 2005\*

Type of Building	Grand Total	Abu Dhabi	Al Ain	Western Region	Islands
Total	243,251	137,857	83,528	20,002	1,864
Flat	117,981	96,237	19,340	2,290	114
Villa	19,012	8,693	8,383	1,879	57
Part of Villa	4,290	3,141	1,077	72	0
One storey house	19,965	3,325	9,474	6,607	559
Low cost house	26,310	11,935	11,458	2,338	579
Part of low cost house	14,720	3,089	10,160	1,358	113
Separate Room	17,799	6,841	9,395	1,386	177
Shed	9,119	1,157	6,954	991	17
Caravan	5,106	1,117	1,766	2,006	217
Shack / Box / Tent	5,443	284	4,145	991	23
Others	3,506	2,038	1,376	84	8

Source: Department of Economic Development

\* Year of the latest census of Housing and Establishments.

#### 2.6.4. Number of Building Construction Permits Issued - Abu Dhabi and Western Region

Type of Permit	2005	2006	2007	2008
Total	5,947	6,055	3,316	4,129
Commercial	67	67	134	222
Residential	705	907	852	1,401
Industry	169	192	252	229
Annex of low Cost house	1,566	957	889	174
Public Utilities	278	250	240	335
Temporary Permits*	3,162	3,682	949	1,768

Source: Department of Municipal Affairs - Municipality of Abu Dhabi

\*Includes temporary building permits, such as Caravans in the construction site

#### 2.6.5. Number of Building Construction Permits Issued - Al Ain

Type of Permit	2005	2006	2007	2008
Total	2,608	3,576	2,956	2,474
Annex of low Cost house	440	393	466	363
Residential Annexes	386	611	303	503
Residential Villas	1,459	2,128	1,770	1,262
Industrial Shops	68	88	93	124
Labour Sheds	109	136	152	66
Commercial Buildings	54	64	59	45
Government Buildings	92	156	113	111

Source: Department of Municipal Affairs - Municipality of Al Ain

### 2.6.6. Number of Permits Issued by Type, 2009

Type of Permits	Abu Dhabi	Al Ain	Western Region
Total	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 (Abu Dhabi, Al Ain, Western Region)

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

Building Usage	Abu Dhabi	Al Ain	Western Region
Total	8,819	2,949	855
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 (Abu Dhabi, Al Ain, Western Region)

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

Building Usage	Type of Permits			
	New Building	Renewal or Amendments	Demolition	Additions and Decorations
Total	1,425	654	264	2,614
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

Note: Not including temporary permit and others

**2.6.9. Number of Permits Issued by Type and Building Usage - Al Ain, 2009**

Building Usage	Type of Permits			
	New Building	Renewal or Amendments	Demolition	Additions and Decorations
Total	908	471	185	1,312
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

Note: Not including temporary permit and others



**2.6.10. Number of Permits Issued by Type and Building Usage - Western Region, 2009**

Building Usage	Type of Permits			
	New Building	Renewal or Amendments	Demolition	Additions and Decorations
Total*	153	28	5	594
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

\* Not including temporary permit and others

## 2.7. Transportation

The transport sector plays an important role in economic and social development and serves as one of its key indicators. The statistics laid out in this section highlight the main features of the transport sector and include detailed data on licensed vehicles, traffic accidents, length of roads, air and maritime transport in 2009.

The number of vehicles and heavy equipment in the Emirate of Abu Dhabi totalled 668,800 in 2009.

Aircraft movement through the Emirate's two international airports (Abu Dhabi Airport and Al-Ain Airport) in 2009 was 105,392 flights, up 9.8% compared to 2008, while passenger traffic reached 9.765 million passengers, outstripping the figure for 2008 by 6.5%.

### 2.7.1. Key Statistics of Transportation and Telecommunication

Indicator	2007	2008*	2009*
Share in GDP (%)	6.1	5.5	7.1
Gross Output (% of GDP)	7.9	7.2	9.2
Capital Formation (% of GDP)	1.4	1.9	1.7
Compensation of Employees (Million AED)	6,884	7,755	8,242

Source: Statistics Centre - Abu Dhabi

\* Preliminary estimates

### 2.7.2. Fuel Consumption Indicators, 2009

Indicator	Value
Pump price for diesel fuel (AED per gallon)	8.4
Pump price for gasoline (AED per gallon)*	5.8
Passenger cars (per 1,000 people)	356.6
Vehicles (per 1,000 people)	406.9

Source: Statistics Centre - Abu Dhabi

\* Pump price of gasoline E-Plus

### 2.7.3. Motor Vehicles Licensed by Region

Type of License	2007	2008	2009
<b>Abu Dhabi Emirate</b>	<b>420,552</b>	<b>555,127</b>	<b>668,830</b>
Motorcycles	2,730	3,794	5,171
Light vehicles	368,535	486,846	586,175
Bus (light and heavy)	7,771	10,905	14,075
Light and heavy trucks	25,574	32,056	37,758
Heavy mechanical equipment	15,942	21,526	25,651
<b>Abu Dhabi</b>	<b>283,477</b>	<b>383,872</b>	<b>468,916</b>
Motorcycles	1,888	2,801	3,933
Light vehicles	248,047	335,433	408,699
Bus (light and heavy)	5,848	8,362	11,101
Light and heavy trucks	15,361	20,080	24,421
Heavy mechanical equipment	12,333	17,196	20,762
<b>Al Ain</b>	<b>120,029</b>	<b>150,548</b>	<b>176,584</b>
Motorcycles	807	931	1,142
Light vehicles	106,972	134,903	158,971
Bus (light and heavy)	1,648	2,171	2,537
Light and heavy trucks	7,609	8,970	9,926
Heavy mechanical equipment	2,993	3,573	4,008
<b>Western Region</b>	<b>17,046</b>	<b>20,707</b>	<b>23,330</b>
Motorcycles	35	62	96
Light vehicles	13,516	16,510	18,505
Bus (light and heavy)	275	372	437
Light and heavy trucks	2,604	3,006	3,411
Heavy mechanical equipment	616	757	881

Source: Ministry of Interior

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

Region / Engine capacity	2007	2008	2009
<b>Abu Dhabi Region</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>Western Region</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	2007	2008	2009
<b>Abu Dhabi Region</b>	<b>283,477</b>	<b>383,872</b>	<b>468,916</b>
Taxi	2,570	4,759	6,777
Ceremonies	183	225	273
Driver training	227	443	667
Private	238,014	320,030	389,536
Motorcycle	1,972	2,883	4,014
International organization	66	86	109
Public transport	39,841	54,644	66,534
Diplomatic	604	802	1,006
<b>Al Ain</b>	<b>120,029</b>	<b>150,548</b>	<b>176,587</b>
Taxi	1,809	1,860	1,945
Driver training	82	138	292
Private	103,512	130,414	153,123
Motorcycle	934	1,058	1,269
Public transport	13,692	17,078	19,958
<b>Western Region</b>	<b>17,046</b>	<b>20,707</b>	<b>23,330</b>
Taxi	0	0	0
Private	13,109	16,026	17,636
Motorcycle	35	62	96
Public transport	3,902	4,619	5,598

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>Western Region</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.External Roads Details, 2008

(Length in km)

Road ID-From- To	ROAD GEOMETRY			
	2x4 Lanes	2x3 Lanes	2x2 Lanes	1x2 Lanes
<b>Total</b>	<b>134.45</b>	<b>172.25</b>	<b>757.00</b>	<b>386.04</b>
E-11 Al Maqta -Al Mafraq		17.00		
E-11 Al Mafraq-Traif			113.00	
E-11 Traif-Jabel Dhana			113.00	
E-11 Jabal Dhana-Al Sila New Boundary			118.00	
E-22 Al Mafraq-ALain (to Al Maqam)		114.50		
E-20 R.A.Airport to Sweihan Roundabout			6.00	
E-20 Sweihan R/A to Sweihan Village	14.60		55.40	
E-16 Road from Sweihan to KASR Al Ajban				38.00
E-20 Sweihan - al Hair			44.00	
E-16 Sweihan / Al - Saad			31.00	
E-55 Al Khdar / Al Shwabi			17.00	
E-45 Madinat Zayed / Liwa			54.40	
E-65 Al Muquatar / Himeem Road			20.00	120.00
E-95 ALain / Al Faydah		16.00		
E-10 Um Al Nar Shahama	25.00			
E-11 Dubai Road from Al Mafraq to Sayh Shuaib	76.00			
E-30 Al Mussafah ALain Truck Road			16.00	108.00
E-45 New Road Traif - Madiant Zayed			47.00	
E-75 Truck Road form Al Faya Sayh Shuaib			12.00	79.00
E-95 Nahil - Qurn Bint Saud Road				34.00
E-90 Hamim - Mezeirah - Arrada			110.00	
Other Road	18.85	24.75	0.20	7.04

Source: Department of Transport

### 2.7.8. Traffic Accidents by Type

Type of Accident	2005	2007	2008	2009
Total	2,436	2,711	3,084	3,221
Motionless collision	358	23	14	7
Run over	471	583	674	648
Turn over	404	503	539	541
Collision involving animals	6	17	17	11
Fall	35	24	29	22
Vertical collision	82	157	228	363
Collision during rotation	73	32	14	32
Side collision	477	447	521	487
Consecutive collision	408	19	47	53
Head on collision	119	134	166	135
Other	3	772	835	922

Source: Ministry of Interior

### 2.7.9. Road Traffic Casualties by Type

Type of Casualty	2005	2007	2008	2009
Total	4,068	4,498	5,002	4,084
Death	286	365	376	339
Serious Injury	337	597	441	370
Moderate Injury	1,743	840	1,747	1,719
Minor Injury	1,700	2,688	2,426	1,656
Others	2	8	12	0

Source: Ministry of Interior



### 2.7.10. Aircraft Movement by Airport and Month

Airport / Month	2005	2007	2008	2009
<b>Abu Dhabi International Airport</b>	<b>76,633</b>	<b>82,287</b>	<b>93,163</b>	<b>102,118</b>
January	6,724	6,520	7,826	8,049
February	6,255	6,098	7,128	7,480
March	6,268	6,598	7,818	8,171
April	6,118	6,702	7,810	8,218
May	6,442	6,844	7,875	8,612
June	6,421	6,538	7,460	8,593
July	6,332	6,799	7,642	8,548
August	6,468	6,785	7,829	8,802
September	6,293	6,878	7,653	8,285
October	6,305	7,356	7,905	9,131
November	6,305	7,358	8,224	9,287
December	6,702	7,811	7,993	8,942
<b>Al Ain International Airport</b>	<b>2,636</b>	<b>3,210</b>	<b>2,786</b>	<b>3,274</b>
January	296	396	313	377
February	235	277	278	356
March	222	273	288	320
April	186	207	169	211
May	216	218	153	307
June	238	215	194	297
July	190	234	219	342
August	193	222	270	218
September	213	242	198	161
October	170	220	234	235
November	190	427	206	258
December	287	279	264	192

Source: Abu Dhabi Airport Company

### 2.7.11. Air Transport by Airport, Passengers and Freights

Item	2005	2007	2008	2009
<b>Abu Dhabi International Airport</b>				
Aircraft Movement	76,633	82,287	93,163	102,118
<b>Passengers</b>				
Arrival	2,482,092	3,323,346	4,456,580	4,724,183
Departure	2,458,410	3,242,210	4,231,132	4,650,448
Transit	537,974	360,904	329,188	297,694
<b>Freights (tons)</b>				
In	112,828	164,005	187,219	204,120
Out	100,895	151,313	166,601	174,626
<b>Mail (tons)</b>				
In	807	699	1,066	1,860
Out	775	1,189	1,096	1,923
<b>Al Ain International Airport</b>				
Aircraft Movement	2,636	3,210	2,786	3,274
<b>Passengers</b>				
Arrival	35,041	40,271	38,400	34,476
Departure	42,910	39,617	34,123	33,683
Transit	49,102	103,436	78,759	24,230
<b>Freights (tons)</b>				
In	350	1,758	522	658
Out	1,045	2,812	2,466	1,982
<b>Mail (tons)</b>				
In	0.13	0.455	0.142	0.394
Out	0.01	-	-	0.306

Source: Abu Dhabi Airports Company

**2.7.12. Air Cargo Discharged By Region / Country of Origin\***  
(Tons)

Region / Country	2005	2007	2008	2009
Total	113,178	165,763	187,741	204,778
GCC	5,688	6,764	8,529	8,413
Arab Countries	11,173	15,057	10,958	11,238
Asia	48,585	77,521	109,036	107,772
Europe	42,856	49,916	47,009	56,244
North America	168	4,226	3,981	5,193
South America	10	0	0	111
Africa	245	2,767	2,726	7,074
Australia	12	2,965	5,095	8,630
Others	4441	6547	407	103

Source: Abu Dhabi Airports Company

\*Data exclude passengers baggage , diplomatic cargo and aircraft store

**2.7.13. Air Cargo loaded by Region / Country of Destination \***  
(Tons)

Region / Country	2005	2007	2008	2009
Total	101,941	154,124	169,067	176,608
GCC	16,325	31,702	35,969	33,736
Arab Countries	16,195	17,388	13,303	15,412
Asia	22,895	36,263	47,205	41,036
Europe	41,889	47,415	53,470	60,528
North America	261	5,020	4,826	5,599
South America	0	0	2	0
Africa	397	5,775	8,835	11,515
Australia	1	2,388	4,296	8,758
Others	3,978	8,173	1,161	24

Source: Abu Dhabi Airports Company

\*Data exclude passengers baggage , diplomatic cargo and aircraft store

### 2.7.14. Air Passengers Arrivals by Region / Country of Embarkation\*

Region / Country	2005	2007	2008	2009
Total	2,517,133	3,363,617	4,494,980	4,758,659
GCC	640,458	756,287	997,195	942,033
Other Arab Countries	344,287	471,721	518,752	521,697
Asia (Non - Arab)	1,094,406	1,389,876	1,912,292	1,937,779
Europe	432,234	570,645	779,499	955,435
North America	3,204	82,290	102,619	130,527
South America	51	111	86	18
Africa (Non - Arab)	2,327	42,563	60,502	56,167
Australia	0	50,121	123,839	215,003
Others	166	3	196	0

Source: Abu Dhabi Airports Company

\*Data exclude transit passengers who continued their journey on the same flight

### 2.7.15. Air Passengers Departures by Region of Disembarkation\*

Region / Country	2005	2007	2008	2009
Total	2,501,320	3,281,827	4,265,255	4,684,131
GCC	657,257	698,460	905,633	864,897
Other Arab Countries	373,511	483,439	540,452	556,938
Asia (Non - Arab)	1,048,476	1,327,658	1,718,665	1,878,716
Europe	418,244	595,046	816,169	980,615
North America	2,392	87,931	115,966	133,409
South America	0	31	0	22
Africa (Non - Arab)	1,438	41,795	56,686	58,766
Australia	2	47,467	111,684	210,768

Source: Abu Dhabi Airports Company

\*Data exclude transit passengers who continued their journey on the same flight

### 2.7.16. Main Indicators for Goods Vessels Movement via Zayed Port

Description	2005	2007	2008	2009
<b>Number of Vessels</b>	<b>2,064</b>	<b>2,452</b>	<b>2,490</b>	<b>2,123</b>
<b>Container Teus:</b>				
<b>Total teus</b>	<b>230,354</b>	<b>336,496</b>	<b>390,087</b>	<b>526,188</b>
Discharged	113,538	170,160	200,342	263,648
Loaded	116,816	166,336	189,745	262,540
<b>General Cargo (metric tons):</b>				
<b>Total cargo</b>	<b>1,823,692</b>	<b>2,680,101</b>	<b>5,122,866</b>	<b>4,914,167</b>
Discharged	1,803,626	2,642,708	5,078,297	4,801,450
Loaded	20,066	37,393	44,569	112,717
<b>Number of Vehicles</b>	<b>48,718</b>	<b>73,430</b>	<b>92,944</b>	<b>37,951</b>
Discharged	43,446	70,051	90,229	37,078
Loaded	5,272	3,379	2,715	873

Source: Abu Dhabi Terminals

**2.7.17. Regional Distribution of Teus Containers Incoming and Outgoing via Zayed Port, 2009**

Region	Incoming	Outgoing	Total
Total	263,648	262,540	526,188
United Arab Emirates*	34,908	189,318	224,226
Other GCC Countries	3,309	3,969	7,278
Total Middle East ( Non- GCC)	2,084	6,545	8,629
Indian Sub Cont	15,003	14,354	29,357
South East Asia	13,435	5,042	18,477
Far East	32,935	13,919	46,854
North Africa	7,397	5,390	12,787
South Africa	1,896	455	2,351
East Africa	4,389	1,232	5,621
West Africa	199	132	331
Western Europe	34,540	1,561	36,101
Mediterranean	56,588	4,218	60,806
Scandinavia	865	61	926
Eastern Europe	2,777	44	2,821
North America	48,492	583	49,075
Carribbean	0	133	133
Central America	27	111	138
South America	3,016	224	3,240
Australasia	1,785	635	2,420
Others	3	14,614	14,617

Source : Abu Dhabi Terminals.

\* Number of containers teus of UAE is from other emirates.

## 2.7.18. Imports, Exports and Re-export by Mode of Transport

(value: million AED; weight: 000 Tons)

Mode of transport	2008		2009	
	weight	value	weight	value
<b>Grand Total</b>	102,780	13,172	112,088	13,643
<b>Imports</b>	90,284	11,407	93,889	12,042
Ships	55,638	6,330	57,372	7,336
Launches	49	43	52	72
Air	10,169	49	17,084	59
Land	24,428	4,985	19,380	4,576
<b>Exports</b>	6,240	388	8,695	334
Ships	2,230	194	1,888	150
Launches	14	1	16	2
Air	2,296	32	5,254	65
Land	1,700	161	1,536	117
<b>Re-exports</b>	6,255	1,377	9,505	1,267
Ships	3,869	815	7,477	724
Launches	7	3	2	0
Air	69	3	103	5
Land	2,311	556	1,923	537

Source: Department of Customs; Department of Finance

## 2.8. Information and Communication Technology

With the growing importance of information and communication technology (ICT) in all walks of life, the Government of Abu Dhabi has shown increasing interest in recent years in developing ambitious national plans to enhance ICT infrastructure and encourage domestic and foreign investment in knowledge-based and high-tech fields, provide access to internet services in the early stages of education and expand it to include all segments of society. In this respect, the number of internet subscribers in the Emirate rose to 413,000 or 25% of the Emirate's total population in 2009, compared to only 12% in 2007.

The Government of Abu Dhabi is steadily evolving into an excellent provider of quality services to nationals and residents through gradually adopting the concept of electronic government. Abu Dhabi ranks top within the Arab World and is among the world's top 30 countries in terms of information and communication technologies (e-maturity).

According to 2009 estimates subscribers to the broadband internet service and mobile phones made up 12% and 176% of the population, respectively. This section of the Statistical Yearbook sets out the key indicators in the Emirate's ICT sector.

### 2.8.1. Information and Communication Technology Indicators

(%)

ICT indicators	2007	2008	2009
Fixed broadband subscribers per 100 inhabitants	4	13	12
Internet subscribers per 100 inhabitants	12	25	25
Fixed telephone subscribers per 100 inhabitants	24	18	19
Mobile cellular subscribers per 100 inhabitants	131	161	176
Population covered by mobile network	100	100	100

Source: Telecommunications Regulatory Authority



### 2.8.2. Key Telecommunication Statistics

Details	2007	2008	2009
Number of fixed telephone line	366,394	282,225	306,202
Number of dial up connections	120,866	189,826	218,355
Number of broadband Internet subscription	66,554	210,598	194,964
Number of mobile lines	1,974,814	2,529,907	2,898,162

Source : Telecommunication Regulatory Authority

### 2.8.3. The Tariff of the Telecommunications Services , 2009

(AED/month)

Type of Services	Tariff
Consumer fixed broadband Internet access tariff (256 kbps)	149
Business fixed broadband Internet access tariff (512 kbps)	775
Fixed line telephone tariff:	
Home User	15
Business User	50
Mobile cellular prepaid tariff (100 minutes/month)	30

Sources : Emirates Telecommunication Corporation - Etisalat

#### 2.8.4. Post Offices and Mail Boxes

Item	2005	2007	2008	2009
Number of Post Offices	22	26	30	34
Number of Private Mail Boxes	100,516	112,171	113,371	127,627
Number of Mail Boxes	341	295	228	227

Source: Emirates Post

#### 2.8.5. Postal Traffic by Type, 2009

Postal Traffic	Number
<b>Registered Letters</b>	
Internal	859,653
External outgoing	157,708
External incoming	188,737
<b>Parcels</b>	
Internal	1,454
External outgoing	23,870
External incoming	29,836
<b>Express Mail</b>	
Internal	14,184
External outgoing	56,528
External incoming	62,386

Source: Emirates Post

## 2.9. Hotels

Tourism is one of the activities that are likely to contribute significantly to the success of the government's policy for expanding the economic base and diversifying revenue sources.

A comparison with the tourism figures for 2008 reveals a notable growth in the number of hotel establishments in 2009, driven by the demand created by the numerous international events hosted in Abu Dhabi. In this connection, the number of hotels in Abu Dhabi increased 13% to 110 establishments, up from 97 establishments in 2008. This was paralleled by a growth of 36% in the number of hotel rooms. This significant rise in the number and capacity of hotels reduced the occupancy rate from 83.6% in 2008 to 72.2% in 2009, even though the number of hotel guests rose by 2.5% to 1.54 million guests in 2009.

The global financial crisis has had an adverse impact on tourism, reducing the average duration of stay from 3.1 nights in 2008 to 2.8 nights in 2009. Figures also point to a decline of 9.8% in the number of guests for all nationalities except UAE nationals, for whom the number surged by about 26%. Likewise, the number of guest nights retreated by 7.6% in 2009. A breakdown of this net change, however, shows a rise in guest nights for UAE nationals by 3.3% and for guests from Australia and Pacific by 13.7% compared to a drop of 10.9% in guest nights for other nationalities.

Due to the decline in average guest nights, the total revenue of hotels and hotel apartments edged down 0.5% in 2009.

### 2.9.1. Key Statistics of Hotel Establishments Activity

Item	2006	2007	2008	2009
Number of Hotel Establishments	56	77	97	110
Number of Rooms	7,758	10,192	12,727	17,104
Number of Guests (Thousand)	1,346	1,450	1,503	1540
Number of Guestnights (Thousand)	3,903	4,275	4,673	4319
Average Length of Stay (in days)	2.90	2.95	3.11	2.80
Total Occupancy Rate (Hotel + Hotel Apt.)	85.78	81.44	83.62	72.17

Source: Abu Dhabi Tourism Authority

### 2.9.2. Hotel Guests by Nationality and Hotel Classification, 2009

Nationality	5- star	4- star	<= 3 stars*	Hotel Apartment	Total
Total	500,795	291,147	458,205	290,111	1,540,258
UAE	246,781	84,301	200,901	118,602	650,585
Other GCC	27,368	12,688	25,114	20,500	85,670
Other Arab	30,454	29,998	54,775	43,570	158,797
Asia ( Except Arab)	30,485	30,882	65,536	47,018	173,921
Australia and Pacific	8,162	7,112	6,574	4,165	26,013
Africa ( Except Arab)	3,933	3,358	3,903	2,375	13,569
Europe	109,796	94,134	84,181	37,281	325,392
North and South America	40,270	25,097	13,613	13,716	92,696
Not Specified	3,546	3,577	3,608	2,884	13,615

Source: Abu Dhabi Tourism Authority

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

### 2.9.3. Guestnights by Nationality and Hotel Classification, 2009

Nationality	5- star	4- star	<= 3 stars*	Hotel Apartment	Total
Total	1,157,872	737,847	1,013,777	1,409,008	4,318,504
UAE	438,991	151,632	277,814	249,191	1,117,628
Other GCC	50,970	26,764	44,449	41,064	163,247
Other Arab	72,050	60,584	151,445	162,589	446,668
Asia ( Except Arab)	73,139	67,876	190,645	323,147	654,807
Australia and Pacific	22,428	21,903	13,869	61,284	119,484
Africa ( Except Arab)	10,836	11,110	11,506	19,781	53,233
Europe	343,135	287,969	266,203	375,686	1,272,993
North and South America	137,835	102,238	44,818	159,755	444,646
Not Specified	8,488	7,771	13,028	16,511	45,798

Source: Abu Dhabi Tourism Authority

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

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

Nationality	2006	2007	2008	2009
Total	1,345,926	1,449,625	1,502,954	1,540,258
UAE	515,515	479,264	516,243	650,585
Other GCC	126,165	108,141	96,280	85,670
Other Arab	155,969	154,094	155,893	158,797
Asia ( Except Arab)	163,358	222,634	192,369	173,921
Australia and Pacific	7,771	18,984	28,970	26,013
Africa ( Except Arab)	9,347	20,034	20,051	13,569
Europe	289,657	327,239	360,413	325,392
North and South America	41,149	78,770	102,137	92,696
Not Specified	36,995	40,465	30,598	13,615

Source: Abu Dhabi Tourism Authority

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

Nationality	2006	2007	2008	2009
Total	3,902,667	4,275,063	4,673,494	4,318,504
UAE	1,135,937	1,075,851	1,081,783	1,117,628
Other GCC	235,667	212,220	192,722	163,247
Other Arab	501,285	485,824	457,666	446,668
Asia ( Except Arab)	490,608	617,920	679,418	654,807
Australia and Pacific	31,892	66,805	104,970	119,484
Africa ( Except Arab)	39,845	66,699	78,830	53,233
Europe	1,145,344	1,301,987	1,517,132	1,272,993
North and South America	208,898	300,743	428,663	444,646
Not Specified	113,191	147,014	132,310	45,798

Source: Abu Dhabi Tourism Authority

#### 2.9.6. Total Revenue of Hotel Establishments

(000 AED)

Item	2006	2007	2008	2009
Total revenue	2,301,009	2,809,297	4,304,871	4,293,074
Room revenue	1,368,000	1,610,552	2,660,413	2,582,842
Food and beverage revenue	739,092	851,704	1,311,305	1,378,928
Other revenue	193,917	347,041	333,153	331,303

Source: Abu Dhabi Tourism Authority



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

- Population
- Population Composition and Distribution
- Births, Fertility and Mortality
- Marriage and Divorces
- Migration
- Population Growth

# Population and Demography

The mid-2009 population estimates show that Abu Dhabi Emirate's population stood at 1,643,344 people, of whom 1,068,759 are males and 1,130,516 live in urban areas. Population estimates for the regions of Abu Dhabi Emirate are: Abu Dhabi region 970,322. Al-Ain region 530,299, the Western region 128,686 and Abu Dhabi Islands 14,037.

The 2009 population pyramid for Abu Dhabi nationals shows a broad-based age-sex structure, with an even decrease in population figures due to mortality effects of an aging population and the near absence of external migration among nationals from one age group to the next.

The age structure by broad age-groups shows that 40.2% of nationals are below age 15, 57.6% are aged 15-64 years and 2.2% are 65 years old and over.

Both the population pyramid and the population structure by broad-age group, reflect a picture of typical society in the second phase of demographic transition, where mortality declines but fertility remains relatively high (the 2009 crude birth and crude death rates among nationals are 33.1 births per 1,000 population and 2.4 deaths per 1,000 population respectively).

The average annual population growth rate markedly declined from 9.83% between 1975 and 1985 to 3.95% between 1995 and 2005. The corresponding figures for nationals were 9.07% (1975-1985) and 4.53% (1995-2005), whereas for non-nationals the figures were 10.08% (1975-1985) and 3.77% (1995-2005).

2009	Total Population ( Mid -Year Estimate)	1,643,344
	Males	1,068,759
	Females	574,585
	Rural Population	512,828
	Urban Population	1,130,516
	Crude Birth Rate (per 1000 population)	17.7
	Crud Death Rate (per 1000 population)	1.8
	Infant Mortality Rate (per 1000 Live Births)	8.8
	Life Expectancy at Birth (Males)	73.5
	Life Expectancy at Birth(Females)	77.1
	Annual Population Growth Rate (2001- 2005)	4.38%
	General Fertility Rate ( births per 1000 women aged 15 - 49 years)	80.9
	Under 5 Mortality Rate per 1000 live births	11.49
	Singulate mean age at marriage (SMAM) for male nationals 2009	26.5
	Singulate mean age at marriage (SMAM) for female nationals 2009	25.8



### 3.1. Population

This chapter presents data on the size, distribution and structure of the population of the Emirate of Abu Dhabi, as well as figures on births, deaths, marriages and divorce, in addition to arrivals and departures of individuals to and from the Emirate.

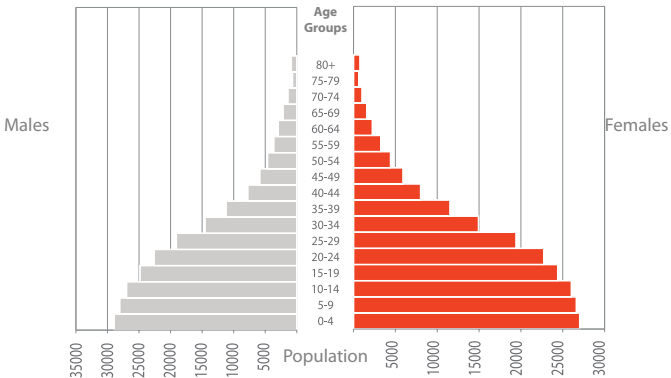
In 1975, the total population of the Emirate of Abu Dhabi was 211,812 people. This figure grew 6.6 times to reach 1,339,484 inhabitants according to the results of the December 2005 census. The Emirate's average annual population growth rate between the last two censuses (2001 and 2005) was 4.4%. Based on this rate, the population of the Emirate in mid-2009 was estimated at about 1.643 million, of whom about 25% are Emirati nationals. About 47% of the Emirate's population reside in Abu Dhabi City.

According to figures issued by the Health Authority, the number of births registered in the Emirate of Abu Dhabi in 2009 was 29,068, comprising 14,932 males and 14,102 females (and 34 cases with no stated gender or nationality), while the number of deaths during the same year was 2,988, including 2,223 males and 749 females (and 16 cases with no stated gender or nationality).

According to the 2009 marriage and divorce statistics, there were 5,911 new marriage contracts, in 3,255 of which the wife was an Emirati national. The number of divorces during the same year was 1,779, of which 844 cases involved national females.

In 2009 passenger traffic data recorded about 4.771 million arrivals and 4.644 million departures through all ports of the Emirate.

**Figure 3.1.1 Population Pyramid for Nationals, Mid 2009**



### 3.1.1. Population by Gender and Nationality from Population Censuses

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

Source: Department of Economic Development

### 3.1.2. Population Estimates by Region and Gender, Mid 2005 and Mid 2009

Region	Males	Females	Total
<b>Abu Dhabi Emirate</b>			
2005	911,864	462,305	1,374,169
2009	1,068,759	574,585	1,643,344
<b>Abu Dhabi</b>			
2005	523,502	285,542	809,044
2009	613,428	356,894	970,322
<b>Al Ain</b>			
2005	292,973	151,684	444,657
2009	343,634	186,665	530,299
<b>Western Region</b>			
2005	85,156	23,395	108,550
2009	99,711	28,975	128,686
<b>Islands</b>			
2005	10,233	1,685	11,918
2009	11,986	2,051	14,037

Source: Statistics Centre - Abu Dhabi

### 3.1.3. Population Estimates by Age Group, Nationality and Gender, Mid 2009

Age Group	Nationals		Non - Nationals	
	Males	Females	Males	Females
Total	206,221	200,576	862,538	374,009
0 - 4	28,938	27,018	34,925	36,077
5 - 9	28,063	26,633	34,864	35,550
10 - 14	26,979	26,037	31,945	32,010
15 - 19	24,852	24,391	27,229	27,747
20 - 24	22,576	22,731	70,527	43,326
25 - 29	19,076	19,427	136,111	51,888
30 - 34	14,545	14,933	150,266	47,375
35 - 39	11,204	11,537	127,916	37,489
40 - 44	7,774	8,012	99,729	27,002
45 - 49	5,874	5,925	73,812	17,352
50 - 54	4,639	4,423	45,928	9,802
55 - 59	3,658	3,259	21,163	4,157
60 - 64	2,924	2,255	5,530	1,804
65 - 69	2,159	1,569	1,496	922
70 - 74	1,412	1,024	665	665
75 - 79	684	620	204	334
80 +	862	779	227	512

Source: Statistics Centre - Abu Dhabi

### 3.1.4. National Population Estimates by Age Group and Gender, Mid 2009

Age Group	Males	Females	Total
Total	206,221	200,576	406,797
0-4	28,938	27,018	55,956
5-9	28,063	26,633	54,697
10-14	26,979	26,037	53,016
15-19	24,852	24,391	49,244
20-24	22,576	22,731	45,308
25-29	19,076	19,427	38,503
30-34	14,545	14,933	29,478
35-39	11,204	11,537	22,740
40-44	7,774	8,012	15,785
45-49	5,874	5,925	11,800
50-54	4,639	4,423	9,062
55-59	3,658	3,259	6,917
60-64	2,924	2,255	5,179
65-69	2,159	1,569	3,729
70-74	1,412	1,024	2,436
75-79	684	620	1,305
80+	862	779	1,642

Source: Statistics Centre - Abu Dhabi

### 3.1.5. Non-National Population Estimates by Age Group and Gender, Mid 2009

Age Group	Males	Females	Total
Total	862,538	374,009	1,236,547
0-4	34,925	36,077	71,002
5-9	34,864	35,550	70,414
10-14	31,945	32,010	63,955
15-19	27,229	27,747	54,976
20-24	70,527	43,326	113,853
25-29	136,111	51,888	187,999
30-34	150,266	47,375	197,641
35-39	127,916	37,489	165,405
40-44	99,729	27,002	126,732
45-49	73,812	17,352	91,164
50-54	45,928	9,802	55,730
55-59	21,163	4,157	25,319
60-64	5,530	1,804	7,334
65-69	1,496	922	2,418
70-74	665	665	1,329
75-79	204	334	537
80+	227	512	739

Source: Statistics Centre - Abu Dhabi

### 3.1.6. National Population Estimates by Age Group and Gender Abu Dhabi Region, Mid 2009

Age Group	Males	Females	Total
Total	108,371	101,496	209,868
0-4	15,695	14,641	30,336
5-9	14,858	14,075	28,933
10-14	13,656	12,985	26,641
15-19	11,383	10,755	22,138
20-24	10,943	9,502	20,444
25-29	10,316	10,404	20,720
30-34	8,484	8,445	16,928
35-39	6,666	6,472	13,137
40-44	4,649	4,356	9,006
45-49	3,393	3,107	6,500
50-54	2,575	2,235	4,810
55-59	1,999	1,614	3,613
60-64	1,491	1,048	2,539
65-69	925	700	1,625
70-74	621	437	1,057
75-79	282	289	571
80+	437	431	867

Source: Statistics Centre - Abu Dhabi

**3.1.7. Non- National Population Estimates by Age Group and Gender  
Abu Dhabi Region, Mid 2009**

Age Group	Males	Females	Total
Total	505,057	255,397	760,454
0-4	24,233	24,947	49,180
5-9	23,701	24,243	47,945
10-14	21,429	21,426	42,855
15-19	17,905	18,383	36,288
20-24	41,049	27,430	68,479
25-29	76,242	35,155	111,397
30-34	84,422	32,860	117,282
35-39	71,454	25,970	97,424
40-44	56,168	19,154	75,322
45-49	42,315	12,435	54,750
50-54	27,529	7,239	34,768
55-59	13,043	3,093	16,137
60-64	3,747	1,312	5,059
65-69	1,087	672	1,759
70-74	426	485	911
75-79	144	217	361
80+	161	376	537

Source: Statistics Centre - Abu Dhabi



### 3.1.8. National Population Estimates by Age Group and Gender Abu Dhabi Region Urban, Mid 2009

Age Group	Males	Females	Total
Total	56,730	50,411	107,141
0-4	8,344	7,537	15,881
5-9	7,523	7,238	14,761
10-14	6,277	5,983	12,260
15-19	4,614	4,121	8,735
20-24	5,216	4,183	9,399
25-29	5,942	5,903	11,846
30-34	5,732	5,236	10,969
35-39	4,523	3,699	8,222
40-44	2,904	2,141	5,045
45-49	1,941	1,367	3,308
50-54	1,298	943	2,241
55-59	917	712	1,628
60-64	599	431	1,030
65-69	359	353	712
70-74	229	209	438
75-79	122	143	265
80+	189	211	400

Source: Statistics Centre - Abu Dhabi

### 3.1.9. Non-National Population Estimates by Age Group and Gender Abu Dhabi Region Urban, Mid 2009

Age Group	Males	Females	Total
Total	439,706	225,313	665,019
0-4	21,913	22,539	44,452
5-9	21,545	21,981	43,526
10-14	19,441	19,462	38,903
15-19	15,952	15,895	31,847
20-24	34,985	22,225	57,209
25-29	64,784	29,974	94,758
30-34	71,763	28,959	100,722
35-39	61,447	23,003	84,450
40-44	48,861	17,436	66,297
45-49	37,212	11,571	48,784
50-54	24,751	6,814	31,565
55-59	11,970	2,898	14,868
60-64	3,503	1,187	4,690
65-69	981	571	1,552
70-74	348	354	701
75-79	116	147	263
80+	135	297	433

Source: Statistics Centre - Abu Dhabi

### 3.1.10. National Population Estimates by Age Group and Gender Abu Dhabi Region Rural, Mid 2009

Age Group	Males	Females	Total
Total	51,642	51,085	102,727
0-4	7,351	7,104	14,455
5-9	7,335	6,837	14,172
10-14	7,379	7,002	14,381
15-19	6,769	6,635	13,404
20-24	5,727	5,318	11,045
25-29	4,374	4,500	8,874
30-34	2,751	3,208	5,959
35-39	2,143	2,773	4,916
40-44	1,745	2,216	3,961
45-49	1,452	1,740	3,192
50-54	1,278	1,292	2,569
55-59	1,082	903	1,985
60-64	891	617	1,509
65-69	566	348	914
70-74	392	228	620
75-79	160	146	306
80+	248	219	467

Source: Statistics Centre - Abu Dhabi

**3.1.11. Non-National Population Estimates by Age Group and Gender  
Abu Dhabi Region Rural, Mid 2009**

Age Group	Males	Females	Total
Total	65,351	30,084	95,435
0-4	2,321	2,408	4,728
5-9	2,156	2,262	4,418
10-14	1,988	1,964	3,952
15-19	1,954	2,488	4,441
20-24	6,064	5,205	11,269
25-29	11,458	5,181	16,640
30-34	12,659	3,901	16,560
35-39	10,007	2,967	12,974
40-44	7,307	1,718	9,025
45-49	5,103	864	5,967
50-54	2,778	425	3,203
55-59	1,074	196	1,269
60-64	244	124	368
65-69	106	102	208
70-74	78	132	210
75-79	28	70	98
80+	25	79	104

Source: Statistics Centre - Abu Dhabi

**3.1.12. National Population Estimates by Age Group and Gender - Al Ain Region, Mid 2009**

Age Group	Males	Females	Total
Total	83,438	86,582	170,020
0-4	11,406	10,733	22,139
5-9	11,401	10,858	22,259
10-14	11,570	11,191	22,761
15-19	11,739	12,068	23,807
20-24	9,870	12,019	21,890
25-29	7,184	7,926	15,110
30-34	5,094	5,650	10,744
35-39	3,766	4,411	8,177
40-44	2,516	3,150	5,666
45-49	2,095	2,481	4,576
50-54	1,776	1,888	3,664
55-59	1,419	1,410	2,829
60-64	1,263	1,027	2,291
65-69	1,017	707	1,725
70-74	651	502	1,153
75-79	331	281	612
80+	338	277	616

Source: Statistics Centre - Abu Dhabi

**3.1.13. Non-National Population Estimates by Age Group and Gender  
Al Ain Region, Mid 2009**

Age Group	Males	Females	Total
Total	260,196	100,083	360,280
0-4	8,757	9,068	17,826
5-9	9,114	9,076	18,190
10-14	8,686	8,599	17,285
15-19	7,907	7,930	15,837
20-24	22,392	14,100	36,492
25-29	43,271	14,602	57,873
30-34	46,334	12,142	58,476
35-39	39,589	9,623	49,211
40-44	30,784	6,619	37,403
45-49	22,121	4,110	26,231
50-54	13,252	2,199	15,451
55-59	5,869	966	6,834
60-64	1,451	448	1,899
65-69	363	223	586
70-74	204	155	359
75-79	48	105	154
80+	54	117	171

Source: Statistics Centre - Abu Dhabi

### 3.1.14. National Population Estimates by Age Group and Gender - Al Ain Region Urban, Mid 2009

Age Group	Males	Females	Total
Total	50,312	54,155	104,467
0-4	6,424	6,208	12,632
5-9	6,622	6,132	12,753
10-14	6,542	6,355	12,897
15-19	7,033	7,867	14,900
20-24	6,476	8,692	15,168
25-29	4,518	5,187	9,706
30-34	3,413	3,827	7,239
35-39	2,492	2,829	5,320
40-44	1,577	1,873	3,450
45-49	1,308	1,460	2,768
50-54	943	1,143	2,087
55-59	818	843	1,661
60-64	771	659	1,430
65-69	603	457	1,060
70-74	394	307	701
75-79	176	149	324
80+	202	168	369

Source: Statistics Centre - Abu Dhabi

**3.1.15. Non-National Population Estimates by Age Group and Gender  
Al Ain Region Urban, Mid 2009**

Age Group	Males	Females	Total
Total	174,272	79,617	253,889
0-4	7,125	7,372	14,497
5-9	7,541	7,404	14,946
10-14	7,134	7,098	14,233
15-19	6,343	6,290	12,633
20-24	14,825	10,332	25,158
25-29	26,128	11,015	37,143
30-34	28,044	9,659	37,703
35-39	25,137	7,895	33,031
40-44	20,626	5,596	26,222
45-49	15,542	3,532	19,074
50-54	9,768	1,867	11,635
55-59	4,393	820	5,213
60-64	1,169	332	1,501
65-69	280	149	429
70-74	150	102	251
75-79	28	66	94
80+	39	86	126

Source: Statistics Centre - Abu Dhabi



### 3.1.16. National Population Estimates by Age Group and Gender - Al Ain Region Rural, Mid 2009

Age Group	Males	Females	Total
Total	33,126	32,427	65,553
0-4	4,982	4,525	9,508
5-9	4,779	4,727	9,506
10-14	5,029	4,836	9,864
15-19	4,705	4,201	8,907
20-24	3,395	3,327	6,722
25-29	2,665	2,739	5,404
30-34	1,682	1,823	3,505
35-39	1,275	1,582	2,857
40-44	938	1,277	2,215
45-49	787	1,022	1,809
50-54	833	745	1,578
55-59	601	567	1,167
60-64	492	369	861
65-69	414	251	665
70-74	257	195	452
75-79	155	132	287
80+	137	110	246

Source: Statistics Centre - Abu Dhabi

**3.1.17. Non-National Population Estimates by Age Group and Gender  
Al Ain Region Rural, Mid 2009**

Age Group	Males	Females	Total
Total	85,924	20,467	106,391
0-4	1,632	1,697	3,329
5-9	1,573	1,671	3,245
10-14	1,552	1,501	3,052
15-19	1,564	1,640	3,204
20-24	7,566	3,768	11,334
25-29	17,143	3,587	20,730
30-34	18,290	2,483	20,773
35-39	14,452	1,728	16,180
40-44	10,158	1,023	11,181
45-49	6,579	578	7,157
50-54	3,484	332	3,817
55-59	1,476	145	1,621
60-64	282	115	398
65-69	83	74	157
70-74	54	54	108
75-79	21	39	60
80+	15	30	45

Source: Statistics Centre - Abu Dhabi

### 3.1.18. National Population Estimates by Age Group and Gender - Western Region, Mid 2009

Age Group	Males	Females	Total
Total	12,620	11,280	23,901
0-4	1,733	1,526	3,258
5-9	1,648	1,546	3,194
10-14	1,560	1,667	3,227
15-19	1,464	1,394	2,857
20-24	1,522	1,093	2,614
25-29	1,317	1,019	2,336
30-34	784	767	1,550
35-39	681	593	1,274
40-44	537	444	981
45-49	319	285	604
50-54	242	263	504
55-59	203	199	402
60-64	146	163	309
65-69	192	143	334
70-74	128	74	202
75-79	62	43	105
80+	84	64	148

Source: Statistics Centre - Abu Dhabi

**3.1.19. Non-National Population Estimates by Age Group and Gender  
Western Region, Mid 2009**

Age Group	Males	Females	Total
Total	87,090	17,695	104,785
0-4	1,860	1,990	3,850
5-9	1,967	2,147	4,114
10-14	1,755	1,924	3,679
15-19	1,341	1,369	2,710
20-24	6,205	1,695	7,900
25-29	15,036	1,999	17,035
30-34	17,782	2,272	20,054
35-39	15,368	1,804	17,172
40-44	11,443	1,176	12,620
45-49	8,000	756	8,756
50-54	4,197	344	4,541
55-59	1,775	94	1,869
60-64	264	45	309
65-69	40	26	67
70-74	33	24	57
75-79	10	11	22
80+	12	19	31

Source: Statistics Centre - Abu Dhabi

### 3.1.20. National Population Estimates by Age Group and Gender Abu Dhabi Islands, Mid 2009

Age Group	Males	Females	Total
Total	1,792	1,218	3,009
0-4	105	118	223
5-9	156	154	310
10-14	192	195	387
15-19	267	175	441
20-24	242	118	359
25-29	259	78	337
30-34	183	72	255
35-39	91	61	152
40-44	72	61	133
45-49	67	52	119
50-54	46	38	84
55-59	37	36	73
60-64	24	17	41
65-69	25	19	44
70-74	12	12	24
75-79	10	7	17
80+	3	7	10

Source: Statistics Centre - Abu Dhabi

### 3.1.21. Non-National Population Estimates by Age Group and Gender Abu Dhabi Islands, Mid 2009

Age Group	Males	Females	Total
Total	10,195	833	11,028
0-4	74	71	145
5-9	81	84	165
10-14	75	61	136
15-19	76	65	141
20-24	881	100	981
25-29	1,562	132	1,694
30-34	1,729	100	1,829
35-39	1,505	92	1,597
40-44	1,334	53	1,386
45-49	1,376	50	1,427
50-54	950	20	970
55-59	476	4	479
60-64	68	-	68
65-69	6	-	6
70-74	1	-	1
75-79	1	-	1
80+	-	0	0

Source: Statistics Centre - Abu Dhabi

**3.1.22. Average Annual Population Growth Rates in the Intercensal Periods by Nationality and Gender**

(%)

	1975-1985	1985-1995	1995-2005
Grand Total	9.83	5.10	3.95
Males	8.97	5.37	3.54
Females	11.86	4.51	4.83
<b>Nationals</b>	9.07	4.93	4.53
Males	8.73	4.82	4.45
Females	9.45	5.04	4.62
<b>Non- Nationals</b>	10.08	5.15	3.77
Males	9.03	5.49	3.33
Females	13.48	4.21	4.95

Source: Statistics Centre - Abu Dhabi

### 3.2. Births, Fertility and Mortality

The 2009 crude birth rates for nationals, non-nationals and the Emirate's total are 33.1, 12.6 and 17.7 births per 1000 population respectively. The 2009 life expectancies at birth for nationals, non-nationals and the Emirate's total are 75.5, 73.9 and 74.9 years respectively, and the corresponding figures for males and females are 73.5 and 77.1 years respectively. The percentages of births likely to survive to age 65 years among nationals and non-nationals are almost identical (85%). The corresponding figures among nationals by gender are 79.4% and 88.3% for male and female births respectively.

The percentages of individuals likely to survive from 15 to 60 among nationals and non-nationals are 90.5% and 91.6% respectively. The corresponding figures among nationals by gender are 85.0% and 94.2% for male and female adults respectively.

The 2009 infant mortality rates for nationals, non-nationals and the Emirate as a whole are 7.8, 9.5 and 8.8 infant (below one year old) deaths per 1000 live births respectively. The corresponding figures among nationals by gender are 8.3 male infant deaths per 1000 male live births and 7.2 female infant deaths per 1000 female live births.

#### 3.2.1. Births by Nationality, Gender and Region, 2009

	Total*	Abu Dhabi	Al-Ain	Western Region
Grand Total	29,068	17,559	10,439	1,070
Males	14,932	na	na	na
Females	14,102	na	na	na
<b>Nationals</b>	13,476	na	na	na
Males	6,964	na	na	na
Females	6,512	na	na	na
<b>Non-Nationals</b>	15,558	na	na	na
Males	7,968	na	na	na
Females	7,590	na	na	na

Source: Health Authority-Abu Dhabi

\*Excluding 34 cases with no stated nationality or gender



### 3.2.2. Crude Birth Rate (Per 1000 Population) by Nationality, Gender and Region, 2009

	Total	Abu Dhabi	Al-Ain	Western Region
Grand Total	17.7	18.1	19.6	7.5
Males	14.0	na	na	na
Females	24.6	na	na	na
<b>Nationals</b>	33.1	na	na	na
Males	33.8	na	na	na
Females	32.5	na	na	na
<b>Non-Nationals</b>	12.6	na	na	na
Males	9.2	na	na	na
Females	20.3	na	na	na

Source : Statistics Centre - Abu Dhabi

### 3.2.3. Deaths by Nationality , Gender and Region, 2009

	Total *	Abu Dhabi	Al-Ain	Western Region
Grand Total	2,988	1,836	953	199
Males	2,223	na	na	na
Females	749	na	na	na
<b>Nationals</b>	983	na	na	na
Males	617	na	na	na
Females	366	na	na	na
<b>Non- Nationals</b>	1,989	na	na	na
Males	1,606	na	na	na
Females	383	na	na	na

Source: Health Authority - Abu Dhabi

\*Excluding 16 cases with no stated nationality or gender

### 3.2.4. Death Rate (Per 1000 Population)by Age Group and Gender, 2009

Age Group	Male	Female	Total*
Total	2.09	1.31	1.82
0-4	3.13	2.11	2.62
5-9	0.29	0.19	0.24
10-14	0.34	0.19	0.27
15-19	0.86	0.23	0.55
20-24	1.55	0.21	0.99
25-29	1.30	0.38	1.01
30-34	0.93	0.40	0.79
35-39	1.27	0.47	1.06
40-44	1.97	0.89	1.71
45-49	2.01	1.03	1.79
50-54	3.92	2.60	3.63
55-59	6.97	4.85	6.48
60-64	11.59	11.08	11.43
65-69	28.45	22.88	26.19
70-74	50.57	35.52	43.82
75-79	85.57	58.71	71.66
80+	135.90	116.19	125.21

Source : Statistics Centre - Abu Dhabi

\* Excluding 2 cases of unknown age group or gender

### 3.2.5. Crude Death Rate (Per 1000 Population) by Nationality, Gender and Region, 2009

	Total	Abu Dhabi	Al-Ain	Western Region
<b>Grand Total</b>	1.8	1.9	1.8	1.4
Males	2.1	na	na	na
Females	1.3	na	na	na
<b>Nationals</b>	2.4	na	na	na
Males	3.0	na	na	na
Females	1.8	na	na	na
<b>Non- Nationals</b>	1.6	na	na	na
Males	1.9	na	na	na
Females	1.0	na	na	na

Source : Statistics Centre - Abu Dhabi

### 3.2.6. Deaths by Region, Nationality, Gender and Age at Death, 2009

Birth and Deaths	Deaths (All Ages)	Neonatal Deaths Below 1 Month	Infant Deaths Under 1 Year	Child Deaths (1 -4) Years
<b>Abu Dhabi Emirate</b>	2,988	139	256	78
Abu Dhabi	1,836	86	179	41
Al-Ain	953	48	69	34
Western Region	199	5	8	3
<b>Nationality</b>	2988	139	256	78
Nationals	983	58	105	49
Non-Nationals	1990	81	148	29
Not Stated	15	0	3	0
<b>Gender</b>	2988	139	256	78
Male	2233	90	155	45
Female	754	49	101	32
Not Stated	1	0	0	1

Source: Health Authority - Abu Dhabi

**3.2.7. Infant Mortality Rate (Per 1000 Live Births) by Nationality, Gender and Region, 2009**

	Total	Abu Dhabi	Al-Ain	Western Region
<b>Grand Total</b>	8.8	10.2	6.6	7.5
Males	10.4	na	na	na
Females	7.2	na	na	na
<b>Nationals</b>	7.8	na	na	na
Males	8.3	na	na	na
Females	7.2	na	na	na
<b>Non- National</b>	9.5	na	na	na
Males	11.8	na	na	na
Females	7.1	na	na	na

Source : Statistics Centre - Abu Dhabi

**3.2.8. Life Expectancy at Birth (in years) by Nationality, Gender and Region, 2009**

Nationality / Region	Total	Male	Female
<b>Total</b>	74.9	73.5	77.1
<b>Nationals</b>	75.5	72.6	77.4
<b>Non-Nationals</b>	73.9	72.8	76.5
Abu Dhabi Region	74.4	na	na
Al-Ain Region	74.9	na	na
Western Region and Islands	71.4	na	na

Source : Statistics Centre - Abu Dhabi

### 3.2.9. Percentage of Births Surviving to Age 65 Years by Nationality, Gender and Region, 2009

Nationality / Region	Total	Male	Female
Total	85.0	83.6	88.5
<b>Nationals</b>	<b>84.7</b>	<b>79.4</b>	<b>88.3</b>
<b>Non-Nationals</b>	<b>84.9</b>	<b>84.7</b>	<b>88.0</b>
Abu Dhabi Region	84.6	na	na
Al-Ain Region	84.7	na	na
Western Region and Islands	77.6	na	na

Source : Statistics Centre - Abu Dhabi

### 3.2.10. Percentage of Individuals Aged 15 Who will Survive to Age 60 Years by Nationality, Gender and Region, 2009

Nationality / Region	Total	Male	Female
Total	91.4	90.1	94.4
<b>Nationals</b>	<b>90.5</b>	<b>85.0</b>	<b>94.2</b>
<b>Non-Nationals</b>	<b>91.6</b>	<b>90.7</b>	<b>94.5</b>
Abu Dhabi Region	91.3	na	na
Al-Ain Region	91.0	na	na
Western Region and Islands	87.4	na	na

Source : Statistics Centre - Abu Dhabi

### **3.3. Marriage and Divorce**

The number of registered marriages increased from 5,552 contracts in 2005 to 5,911 contracts in 2009, an increase of 6.47% during the whole (2005-2009) period or an average annual increase of 1.62%. The crude marriage rate (CMR) declined, however, from 4.04 marriages per 1000 population in 2005 to 3.60 in 2009. The CMR varies among the regions of the Emirate, where its 2009 values for Abu Dhabi region, Al-Ain region and the Western region and Islands were 3.51, 4.25 and 1.74 marriages per 1000 population.

Refining the CMR by confining its denominator to the population of marriageable age only (15+ years) leads to the General Marriage Rate (GMR). The 2009 GMR for Abu Dhabi Emirate is 4.64 marriages per 1000 population of 15 years and over, and the corresponding values for Abu Dhabi regions are: Abu Dhabi region (4.58), Al-Ain region (5.5) and the Western region and Islands (2.07) marriages per 1000 population of 15 years and over.

The 2009 Singulate Mean Age at Marriage (SMAM) – average number of years lived unmarried before first marriage for those who will ultimately marry by age 50 – for the Emirate's males and females is 26.6 and 25.4 years, respectively. The SMAM estimates for national males and females are 26.5 and 25.8 years, respectively, whereas for non-nationals the corresponding values are 26.6 and 25.3 years, respectively.

The number of registered divorces declined by 1.4% from 1,804 cases in 2005 to 1,779 cases in 2009, whereas the corresponding decline in the Crude Divorce Rate (CDR) was much larger (17.6%) from 1.31 divorces per 1000 population in 2005 to 1.08 in 2009. This can be attributed to the decrease in the rate's numerator, on the one hand, and the increase in its denominator, on the other.

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

Region, Nationality and Gender	2005	2007	2008	2009
Abu Dhabi Emirate	5,552	5,477	5,863	5,911
<b>Nationals</b>				
Male	3,353	3,479	3,695	3,687
Female	3,059	3,144	3,315	3,255
<b>Non- Nationals</b>				
Male	2,199	1,998	2,168	2,224
Female	2,493	2,333	2,548	2,656
<b>Abu Dhabi Region</b>				
<b>Nationals</b>				
Male	1,725	1,718	1,751	1,878
Female	1,483	1,483	1,499	1,582
<b>Non- Nationals</b>				
Male	1,593	1,357	1,476	1,532
Female	1,835	1,592	1,728	1,828
<b>Al Ain Region</b>				
<b>Nationals</b>				
Male	1,453	1,569	1,730	1,594
Female	1,412	1,473	1,604	1,463
<b>Non- Nationals</b>				
Male	568	609	650	659
Female	609	705	776	790
<b>Western Region</b>				
<b>Nationals</b>				
Male	175	192	214	215
Female	164	188	212	210
<b>Non- Nationals</b>				
Male	38	32	42	33
Female	49	36	44	38

Source: Department of the Judiciary - Abu Dhabi

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

Nationality / Gender	1995	2001	2005	2009
<b>Grand Total</b>				
Male	27.0	27.3	26.7	26.6
Female	24.4	25.2	25.1	25.4
<b>Nationals</b>				
Male	25.3	25.9	26.1	26.5
Female	23.7	24.6	25.2	25.8
<b>Non-Nationals</b>				
Male	27.2	27.5	26.8	26.6
Female	24.5	25.3	25.1	25.3

Source : Statistics Centre - Abu Dhabi

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



### 3.3.3. Registered Divorces by Region, Nationality and Gender

Region / Nationality /Gender	2005	2007	2008	2009
Abu Dhabi Emirate	1,804	1,794	1,798	1,779
<b>Nationals</b>				
Male	1,177	1,154	1,156	1097
Female	839	874	841	884
<b>Non- Nationals</b>				
Male	627	640	642	682
Female	965	920	957	895
<b>Abu Dhabi Region</b>				
<b>Nationals</b>				
Male	713	687	708	677
Female	473	495	507	537
<b>Non- Nationals</b>				
Male	464	463	455	479
Female	704	655	656	619
<b>Al Ain Region</b>				
<b>Nationals</b>				
Male	421	435	417	373
Female	331	351	306	304
<b>Non- Nationals</b>				
Male	150	166	177	181
Female	240	250	288	250
<b>Western Region</b>				
<b>Nationals</b>				
Male	43	32	31	47
Female	35	28	28	43
<b>Non- Nationals</b>				
Male	13	11	10	22
Female	21	15	13	26

Source: Department of the Judiciary - Abu Dhabi

### 3.4. Migration

Estimates of immigration, emigration and net migration for the Emirate of Abu Dhabi are difficult to obtain. Arrivals and departures statistics are less useful because people arriving/departing in/from Abu Dhabi Emirate through its entry/exit points might be residents of other Emirates and people arriving/departing in/from other Emirates might be usual residents of Abu Dhabi Emirate.

Data related to visas issued by type and visas cancelled are more useful vis-à-vis estimating international migration for Abu Dhabi Emirate. Statistics Centre – Abu Dhabi (SCAD) and the Ministry of Interior have recently begun collaboration in this regard. Indirect techniques might also be utilised in estimating international migration to/from Abu Dhabi Emirate after the completion of the Frame-Update project currently being conducted by SCAD.

#### 3.4.1. Arrivals by Mode of Transport and Point of Entry

Item	2005	2007	2008	2009
<b>Total</b>	2,752,434	4,062,242	4,403,373	4,770,721
<b>Land</b>	1,355,186	2,099,568	2,135,340	2,334,638
Al Ghwefat	1,199,256	1,400,911	1,406,816	1,360,682
Shaklah	45,823	212,242	308,504	686,751
Meziad	110,107	441,720	334,663	238,976
Hili Centre*	*	44,695	85,127	48,154
Valley Aljaze	*	*	230	75
<b>Sea</b>	40,686	11,471	18,870	16,478
Zayed Port	40,686	8,343	16,171	14,197
Mussafah and Al Ruwais Ports*	*	3,128	2,699	2,281
<b>Air</b>	1,356,562	1,951,203	2,249,163	2,419,605
Abu Dhabi Airport	1,326,212	1,914,796	2,213,744	2,387,661
Al Ain Airport	30,350	36,407	35,419	31,944

Source: Ministry of Interior

\*Mussafah and Al Ruwais ports were inaugurated in 2006, Hili Centre in 2007 and Aljaze Valley in 2008

### 3.4.2. Departures by Mode of Transport and Points of Exit

Item	2005	2007	2008	2009
<b>Total</b>	2,717,242	3,933,073	4,124,115	4,643,975
<b>Land</b>	1,372,825	2,083,122	2,114,874	2,290,051
Al Ghwefat	1,222,349	1,382,138	1,387,137	1,377,088
Shaklah	39,471	203,244	304,725	674,100
Meziad	111,005	449,441	349,525	186,448
Hili Centre*	*	48,299	73,451	52405
Valley Aljaze	*	*	36	10
<b>Sea</b>	40,837	19,956	26,322	15,442
Zayed Port	40,837	16,851	23,363	13,003
Mussafah and Al Ruwais Ports*	*	3,105	2,959	2439
<b>Air</b>	1,303,580	1,829,995	1,982,919	2,338,482
Abu Dhabi Airport	1,268,030	1,794,054	1,951,481	2,306,937
Al Ain Airport	35,550	35,941	31,438	31545

Source: Ministry of Interior

\*Mussafah and Al Ruwais ports were inaugurated in 2006, Hili Centre in 2007 and AljazeValley in 2008

### 3.4.3. Arrivals and Departures by Nationality and Mode of Transport, 2009

Nationality	Mode of Transport			Total
	Land	Sea	Air	
<b>Arrivals</b>	2,334,638	16,478	2,419,605	4,770,721
Nationals	302,847	19	189,146	492,012
Non- Nationals	2,031,791	16,459	2,230,459	4,278,709
<b>Departures</b>	2,290,051	15,442	2,338,482	4,643,975
Nationals	299,352	34	183,496	482,882
Non- Nationals	1,990,699	15,408	2,154,986	4,161,093

Source: Ministry of Interior

Figure: 3.4.1. Arrivals & Departures via Abu Dhabi International Airport





## 4. Social Statistics

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

# Social Statistics

Significant improvements in social development, such as education, health and social welfare, are already widely acknowledged.

The Government of Abu Dhabi has spared no effort in providing high quality education facilities, health and social welfare services.

This has been reflected in significant increases in the number of pupils and students enrolled in schools and universities in the Emirate. In addition, curative and preventive medicine, health services as well as health insurance coverage in the Emirate have reached levels comparable to highly developed societies.

Social welfare services are available for all nationals who stand in need of such services.

2009

Education	
Government Schools (Number):	301
Private Schools (Number):	180
Students in Government Schools (000):	122
Students in private Schools (000):	157
Pupils per Teacher	13.4
Pupils per Classroom	22.4
Number of Universities	9.00
Percentage illiterate population (10 years and over)	8.33
Dropout Rate (Pupils in Government Schools 2007/2008)	1.80
Health	
Physians per 1000 population	2.60
Nurses per 1000 population	5.00
Number of Hospitals	39
Number of Health Centres	365
Number of Clinics	207
Number of Pharmacies	405
Culture and Heritage	
Number of Visitors of Public Parks, Al Ain Museum and Al Ain Zoo (000)	3,149
Number of Non-Government Organisations (NGO's)	47
Number of Social Aid Beneficiaries in December 2009	10,861
Value of Social Aid Granted in Dec. 2009 (million AED)	51.723

## **4.1. Education**

Education services are essential to achieve the policies and aspirations of the Emirate of Abu Dhabi, which pays particular attention to this sector by providing schools and universities with all their administrative and teaching staff to nurture the development of future generations and to contribute to the Emirate's progress.

This chapter provides detailed statistics for the academic year 2008 /2009, in which the number of schools in the Emirate was 481 (301 government and 180 private), comprising 12,446 classrooms, with 278,764 pupils, 20,275 teachers and 4,989 administrators. The number of pupils per teacher was 13.7 and the number of pupils per classroom was 22.4.

The gross enrolment ratio in the first education cycle for males, females and both sexes were 96.1%, 95.1% and 95.6% respectively, and the corresponding net enrolment ratios were 83%, 80.5% and 81.8% respectively.

The 2009 estimated percentages of illiteracy among males, females and total population aged 10 years and over are 9.16%, 6.57% and 8.33% respectively.

There are 9 universities in the Emirate of Abu Dhabi addition to 16 other institutions of higher education.

The academic year 2007/2008 witnessed the graduation from higher education of 5,987 students, of whom 1457 students graduated from the private universities and institutions. The number of students studying abroad on scholarships was 823, with 173 of them graduating during this same academic year.



#### 4.1.1. Key Education Statistics, 2009

Indicators	Value
Number of Government Schools	301
Number of Classes in Government Schools	5,425
Number of Pupils in Government Schools	121,565
Number of Teachers in Government Schools	10,367
Number of Administrators in Government Schools	1,848
Number of Private Schools	180
Number of Classes in Private Schools	7,021
Number of Pupils in Private Schools	157,199
Number of Teachers in Private Schools	9,908
Number of Administrators in Private Schools	3,141
Pupils per teacher	13.7
Pupils per classroom	22.4
Number of Universities	9
Percentage illiterate population (10 years and over)	8.33%
Percentage illiterate male population (10 years and over)	9.16%
Percentage illiterate female population( 10 years and over)	6.57%
Dropout rate (pupils in government schools 2007/2008)	1.80%
Gross Enrollment ratio, cycle 1 ( 5 years primary education stage)	95.60%
Gross enrollment ratio, secondary education ( 4 years second cycle +3 years secondary stage) 2008/2009	84.40%

Source: Statistics Centre - Abu Dhabi

#### 4.1.1. Total Population Estimates ( 10 years and over) by Region, Education Status and Gender, Mid 2009

Region and Educational Status	Male	Female	Total
<b>Abu Dhabi Emirate</b>	941,968	449,307	1,391,276
Illiterate	86,306	29,523	115,829
Read and Write	170,800	58,118	228,918
Primary	149,677	64,380	214,057
Preparatory	167,645	69,447	237,092
Secondary	205,690	130,492	336,182
Above Secondary and Below University	38,636	23,489	62,125
University	105,631	66,123	171,754
Higher Diploma	4,195	2,498	6,693
Master	9,698	4,219	13,917
Ph.D.	3,690	1,018	4,708
<b>Abu Dhabi</b>	534,941	278,987	813,928
Illiterate	49,466	17,671	67,137
Read and Write	97,760	36,961	134,721
Primary	84,844	39,518	124,363
Preparatory	94,775	42,422	137,196
Secondary	115,985	79,766	195,751
Above Secondary and Below University	21,982	15,211	37,193
University	60,127	42,362	102,489
Higher Diploma	2,371	1,596	3,967
Master	5,521	2,813	8,334
Ph.D.	2,107	668	2,775
<b>Al Ain</b>	302,955	146,930	449,885
Illiterate	26,930	10,261	37,191
Read and Write	53,538	18,203	71,741
Primary	48,425	21,473	69,898
Preparatory	54,703	23,353	78,056
Secondary	67,661	43,830	111,491
Above Secondary and Below University	12,351	7,107	19,458
University	33,718	20,425	54,143
Higher Diploma	1,369	776	2,145
Master	3,094	1,202	4,296
Ph.D.	1,165	300	1,348

Cont..

Region and Educational Status	Male	Female	Total
<b>Western Region</b>	92,502	21,767	114,269
Illiterate	8,830	1,469	10,299
Read and Write	17,370	2,764	20,134
Primary	14,576	3,146	17,722
Preparatory	16,126	3,406	19,532
Secondary	19,553	6,396	25,950
Above Secondary and Below University	3,826	1,101	4,927
University	10,482	3,126	13,608
Higher Diploma	403	118	522
Master	963	193	1,156
Ph.D.	372	47	419
<b>Emirate Islands</b>	11,571	1,623	13,194
Illiterate	1,080	121	1,201
Read and Write	2,131	190	2,322
Primary	1,832	243	2,075
Preparatory	2,041	267	2,307
Secondary	2,491	500	2,990
Above Secondary and Below University	476	71	547
University	1,304	210	1,513
Higher Diploma	51	8	59
Master	120	11	131
Ph.D.	46	3	49

Source: Statistics Centre - Abu Dhabi

#### 4.1.2. Nationals Population Estimates ( 10 years and over) by Region, Education Status and Gender, Mid 2009

Region and Educational Status	Male	Female	Total
<b>Abu Dhabi Emirate</b>	149,219	146,925	296,144
Illiterate	5,446	13,194	18,640
Read and Write	13,205	14,322	27,527
Primary	26,553	23,501	50,054
Preparatory	34,363	26,461	60,824
Secondary	47,559	49,425	96,984
Above Secondary and Below University	5,374	4,328	9,702
University	14,203	14,629	28,832
High Diploma	862	578	1,440
Master	1,284	344	1,628
PhD	370	143	513
<b>Abu Dhabi</b>	77,819	72,780	150,599
Illiterate	2,840	6,536	9,376
Read and Write	6,886	7,094	13,981
Primary	13,848	11,641	25,489
Preparatory	17,921	13,108	31,028
Secondary	24,802	24,483	49,285
Above Secondary and Below University	2,803	2,144	4,946
University	7,407	7,247	14,653
High Diploma	450	286	736
Master	670	170	840
PhD	193	71	264
<b>Al Ain</b>	60,630	64,991	125,621
Illiterate	2,213	5,836	8,049
Read and Write	5,365	6,335	11,701
Primary	10,789	10,395	21,184
Preparatory	13,962	11,705	25,667
Secondary	19,324	21,863	41,187
Above Secondary and Below University	2,184	1,914	4,098
University	5,771	6,471	12,242
Higher Diploma	350	256	606
Master	522	152	674
Ph.D.	150	63	57

Cont..

Region and Educational Status	Male	Female	Total
<b>Western Region</b>	9,240	8,209	17,448
Illiterate	337	737	1,074
Read and Write	818	800	1,618
Primary	1,644	1,313	2,957
Preparatory	2,128	1,478	3,606
Secondary	2,945	2,761	5,706
Above Secondary and Below University	333	242	575
University	879	817	1,697
Higher Diploma	53	32	86
Master	80	19	99
Ph.D.	23	8	31
<b>Emirate Islands</b>	1,530	946	2,476
Illiterate	56	85	141
Read and Write	135	92	228
Primary	272	151	424
Preparatory	352	170	523
Secondary	488	318	806
Above Secondary and Below University	55	28	83
University	146	94	240
Higher Diploma	9	4	13
Master	13	2	15
Ph.D.	4	1	5

Source: Statistics Centre - Abu Dhabi

#### 4.1.3. Non- Nationals Population Estimates ( 10 years and over) by Region, Education Status and Gender, Mid 2009

Region and Educational Status	Male	Female	Total
<b>Abu Dhabi Emirate</b>	792,749	302,382	1,095,132
Illiterate	80,860	16,329	97,189
Read and Write	157,595	43,796	201,391
Primary	123,124	40,879	164,003
Preparatory	133,282	42,986	176,268
Secondary	158,131	81,067	239,198
Above Secondary and Below University	33,262	19,161	52,423
University	91,428	51,494	142,922
Higher Diploma	3,333	1,920	5,253
Master	8,414	3,875	12,289
Ph.D.	3,320	875	4,195
<b>Abu Dhabi</b>	457,122	206,207	663,329
Illiterate	46,626	11,135	57,762
Read and Write	90,874	29,866	120,740
Primary	70,997	27,877	98,874
Preparatory	76,854	29,314	106,168
Secondary	91,183	55,283	146,466
Above Secondary and Below University	19,180	13,067	32,247
University	52,720	35,116	87,836
Higher Diploma	1,922	1,309	3,231
Master	4,852	2,643	7,494
Ph.D.	1,914	597	2,511
<b>Al Ain</b>	242,324	81,939	324,264
Illiterate	24,717	4,425	29,142
Read and Write	48,173	11,868	60,041
Primary	37,636	11,077	48,713
Preparatory	40,741	11,648	52,389
Secondary	48,337	21,967	70,304
Above Secondary and Below University	10,167	5,192	15,360
University	27,947	13,954	41,901
Higher Diploma	1,019	520	1,539
Master	2,572	1,050	3,622
Ph.D.	1,015	237	1,180

Cont..

Region and Educational Status	Male	Female	Total
<b>Western Region</b>	83,262	13,559	96,821
Illiterate	8,493	732	9,225
Read and Write	16,552	1,964	18,516
Primary	12,932	1,833	14,765
Preparatory	13,999	1,927	15,926
Secondary	16,608	3,635	20,243
Above Secondary and Below University	3,494	859	4,353
University	9,603	2,309	11,912
Higher Diploma	350	86	436
Master	884	174	1,057
Ph.D.	349	39	388
<b>Emirate Islands</b>	10,041	677	10,718
Illiterate	1,024	37	1,061
Read and Write	1,996	98	2,094
Primary	1,559	92	1,651
Preparatory	1,688	96	1,784
Secondary	2,003	182	2,184
Above Secondary and Below University	421	43	464
University	1,158	115	1,273
Higher Diploma	42	4	47
Master	107	9	115
Ph.D.	42	2	44

Source: Statistics Centre - Abu Dhabi

**4.1.4. Number of Schools, Classrooms, Teachers and Administrators in Government and Private Education**

Item	2005/ 2006	2006/ 2007	2007/ 2008	2008/ 2009
<b>Grand Total</b>				
Schools	495	496	479	481
Classrooms	11,328	11,580	11,941	12,446
Pupils	250,909	257,472	258,126	278,764
Teachers	18,862	19,007	19,271	20,275
Administrators	3,465	3,922	4,135	4,989
<b>Government Education</b>				
Schools	322	315	305	301
Classrooms	5,492	5,409	5,537	5,425
Pupils	127,136	125,729	120,086	121,565
Teachers	10,586	10,269	10,108	10,367
Administrators	1,791	1,748	1,443	1,848
<b>Private Education</b>				
Schools	173	181	174	180
Classrooms	5,836	6,171	6,404	7,021
Pupils	123,773	131,743	138,040	157,199
Teachers	8,276	8,738	9,163	9,908
Administrators	1,674	2,174	2,692	3,141

Source: Ministry of Education

Note: Table includes all stages



#### 4.1.5 Number of Pupils by Education Stage and Gender in Government and Private Education, 2008/2009

Stage and Gender	Government Education	Private Education	Total
<b>Total</b>	121,565	157,199	278,764
Male	57,140	84,364	141,504
Female	64,425	72,835	137,260
<b>Kindergarten</b>	10,795	31,332	42,127
Male	5,245	16,402	21,647
Female	5,550	14,930	20,480
<b>Cycle 1</b>	42,544	70,756	113,300
Male	19,931	37,721	57,652
Female	22,613	33,035	55,648
<b>Cycle 2</b>	39,658	37,259	76,917
Male	19,316	20,252	39,568
Female	20,342	17,007	37,349
<b>Secondary</b>	27,963	17,852	45,815
Male	12,142	9,989	22,131
Female	15,821	7,863	23,684
<b>Religion</b>	282	0	282
Male	282	0	282
Female	0	0	0
<b>Special Education</b>	323	0	323
Male	224	0	224
Female	99	0	99

Source: Ministry of Education

#### 4.1.6. Number of Teachers by Education Stage and Gender in Government and Private Education, 2008/2009

Stage and Gender	Government Education	Private Education	Total
<b>Total</b>	10,367	9,908	20,275
Male	4,248	2,059	6,307
Female	6,119	7,849	13,968
<b>Kindergarten</b>	643	1,676	2,319
Male	0	2	2
Female	643	1,674	2,317
<b>Cycle 1</b>	3,551	3,871	7,422
Male	1,278	398	1,676
Female	2,273	3,473	5,746
<b>Cycle 2</b>	3,405	2,545	5,950
Male	1,688	829	2,517
Female	1,717	1,716	3,433
<b>Secondary</b>	2,729	1,816	4,545
Male	1,243	830	2,073
Female	1,486	986	2,472
<b>Religion</b>	39	0	39
Male	39	0	39
Female	0	0	0

Source: Ministry of Education

#### 4.1.7. Number of Pupils, Teachers and Administrators by Region and Gender in Government and Private Education, 2008/ 2009

Region and Gender	Pupils	Teachers	Administrators
<b>Abu Dhabi Emirate</b>	278,764	20,275	4,989
Male	141,504	6,307	1,882
Female	137,260	13,968	3,107
<b>Abu Dhabi</b>	164,818	11,032	2,841
Male	83,519	3,136	1,099
Female	81,299	7,896	1,742
<b>Al Ain</b>	98,103	7,725	1,830
Male	50,267	2,617	658
Female	47,836	5,108	1,172
<b>Western Region</b>	15,843	1,518	318
Male	7,718	554	125
Female	8,125	964	193
<b>Government Education</b>			
<b>Abu Dhabi Emirate</b>	121,565	10,367	1,848
Male	57,140	4,248	627
Female	64,425	6,119	1,221
<b>Abu Dhabi</b>	58,076	4,498	719
Male	27,465	1,834	255
Female	30,611	2,664	464
<b>Al Ain</b>	51,678	4,611	910
Male	24,110	1,905	284
Female	27,568	2,706	626
<b>Western Region</b>	11,811	1,258	219
Male	5,565	509	88
Female	6,246	749	131
<b>Private Education</b>			
<b>Abu Dhabi Emirate</b>	157,199	9,908	3,141
Male	84,364	2,059	1,255
Female	72,835	7,849	1,886
<b>Abu Dhabi</b>	106,742	6,534	2,122
Male	56,054	1,302	844
Female	50,688	5,232	1,278
<b>Al Ain</b>	46,425	3,114	920
Male	26,157	712	374
Female	20,268	2,402	546
<b>Western Region</b>	4,032	260	99
Male	2,153	45	37
Female	1,879	215	62

Source: Ministry of Education

Note: Table comprises all stages, including kindergarten, special education and religious education

**4.1.8. Number of Pupils per Classroom and per Teacher and Number of Teachers per Classroom by Region, Educational Stage and Gender in Government Education, 2008/2009**

Region and Stage	Cycle 1	Cycle 2	Secondary	Total
<b>Grand Total</b>				
Pupils / Classroom	21.3	23.9	23.6	22.8
Male	21.0	23.7	23.0	22.4
Female	21.5	24.2	24.0	23.0
Pupils / Teacher	12.0	11.6	10.2	11.4
Male	15.6	11.4	9.8	12.2
Female	10.0	11.9	10.7	10.7
Teachers / Classroom	1.8	2.1	2.3	2.0
Male	1.4	2.1	2.4	1.8
Female	2.2	2.0	2.3	2.2
<b>Abu Dhabi</b>				
Pupil / Classroom	22.8	25.4	26.4	24.6
Male	23.5	25.9	26.9	25.1
Female	22.3	25.0	26.0	24.1
Pupil / Teacher	14.0	12.1	11.4	12.6
Male	17.0	12.4	11.5	13.5
Female	12.2	11.9	11.3	11.8
Teacher / Classroom	1.6	2.1	2.3	2.0
Male	1.4	2.1	2.4	1.9
Female	1.8	2.1	2.3	2.0
<b>Al Ain</b>				
Pupil / Classroom	21.1	23.6	22.7	22.4
Male	20.1	22.3	20.9	21.0
Female	22.1	25.0	20.9	24.3
Pupil / Teacher	11.1	11.4	9.8	10.8
Male	15.0	10.9	8.9	11.5
Female	9.0	11.9	10.6	10.3
Teacher / Classroom	1.9	2.1	2.3	2.1
Male	1.3	2.0	2.3	1.8
Female	2.4	2.1	2.3	2.3
<b>Western Region</b>				
Pupil / Classroom	16.6	19.7	16.7	17.6
Male	16.3	20.7	17.3	18.0
Female	16.9	18.8	16.3	17.4
Pupil / Teacher	8.9	10.6	7.7	9.1
Male	12.8	9.9	7.1	9.9
Female	7.0	11.3	8.2	8.4
Teacher / Classroom	1.9	1.9	2.2	1.9
Male	1.3	2.1	2.4	1.8
Female	2.4	1.7	2.0	2.1

Source: Statistics Centre - Abu Dhabi

**4.1.9. Number of Pupils per Classroom and per Teacher and Number of Teachers per Classroom by Region and Education Stage in Private Education, 2008/2009**

Region and Stage	Cycle 1	Cycle 2	Secondary	Total
<b>Grand Total</b>				
Pupil / Classroom	24.07	21.22	18.65	22.27
Pupil / Teacher	18.28	14.64	9.83	15.29
Teacher / Classroom	1.32	1.45	1.90	1.46
<b>Abu Dhabi</b>				
Pupil / Classroom	24.44	22.75	20.35	23.23
Pupil / Teacher	18.55	15.59	9.95	15.66
Teacher / Classroom	1.32	1.46	2.04	1.48
<b>Al Ain</b>				
Pupil / Classroom	23.53	18.80	15.79	20.66
Pupil / Teacher	17.58	13.12	9.63	14.53
Teacher / Classroom	1.34	1.43	1.64	1.42
<b>Western Region</b>				
Pupil / Classroom	21.60	14.77	9.61	18.12
Pupil / Teacher	19.60	10.47	7.52	14.84
Teacher / Classroom	1.10	1.41	1.28	1.22

Source: Statistics Centre - Abu Dhabi

#### 4.1.10. Teaching Staff of Government Schools by Region, Education Stage, Nationality and Gender, 2008/2009

Region and Stage	Cycle 1	Cycle 2	Secondary	Total
<b>Abu Dhabi Emirate</b>	3,551	3,405	2,729	9,685
Male	1,278	1,688	1,243	4,209
Female	2,273	1,717	1,486	5,476
<b>Nationals</b>	1,691	1,393	916	4,000
Male	175	309	138	622
Female	1,516	1,084	778	3,378
<b>Non - Nationals</b>	1,860	2,012	1,813	5,685
Male	1,103	1,379	1,105	3,587
Female	757	633	708	2,098
<b>Abu Dhabi</b>	1,441	1,523	1,229	4,193
Male	560	734	540	1,834
Female	881	789	689	2,359
<b>Nationals</b>	762	663	448	1,873
Male	124	187	83	394
Female	638	476	365	1,479
<b>Non - Nationals</b>	679	860	781	2,320
Male	436	547	457	1,440
Female	243	313	324	880
<b>Al Ain</b>	1,627	1,516	1,159	4,302
Male	563	766	537	1,866
Female	1,064	750	622	2,436
<b>Nationals</b>	806	671	449	1,926
Male	50	116	49	215
Female	756	555	400	1,711
<b>Non - Nationals</b>	821	845	710	2,376
Male	513	650	488	1,651
Female	308	195	222	725
<b>Western Region</b>	483	366	341	1,190
Male	155	188	166	509
Female	328	178	175	681
<b>Nationals</b>	123	59	19	201
Male	1	6	6	13
Female	122	53	13	188
<b>Non - Nationals</b>	360	307	322	989
Male	154	182	160	496
Female	206	125	162	493

Source: Ministry of Education

## Educational Infrastructure

The number of schools in the Emirate during the 2008/2009 academic year was 481, of which 51 were kindergartens, 77 cycle 1 schools, 61 cycle 2 schools, 44 secondary schools and 248 multi-stage schools.

The number of Government schools was 301, of which 44 were kindergartens, 77 cycle 1 schools, 61 cycle 2 schools, 44 secondary schools, and 75 multi-stage schools. The total number of private schools was 180, of which 7 were kindergartens and 173 multi-stage schools.

There were nine universities, of which two belong to government and seven are private. Of the 16 additional higher education colleges and institutes three belong to the government and 13 to the private sector.

### 4.1.11. Total Number of Government and Private Schools by Educational Stages, 2008/2009

Stage	Government	Private	Total
Total	301	180	481
Kindergarten	44	7	51
Cycle1	77	0	77
Cycle2	61	0	61
Secondary	44	0	44
Multi-Stage	75	173	248

Source: Ministry of Education

### 4.1.12. Higher Education Institutions by Type and Sector, 2008/2009

Type	Government	Private	Total
Total	5	20	25
Universities	2	7	9
Colleges	2	10	12
Institutes	1	3	4

Source: Ministry of Higher Education and Scientific Research

## ***Educational Enrollment***

The 2008/2009 number of pupils enrolled in all educational stages up to the secondary level was 278,764, of whom 137,260 were females and 141,504 males (a 0.97 female/male ratio).

The female/male ratio is highest in the secondary stage for both government and private education combined 1.07 and for government education 1.30. This can be attributed to males withdrawing from the educational system and looking for jobs or joining the labour market earlier than females.

The gross enrolment ratio is defined as the number of pupils, regardless of age, enrolled in a particular education stage divided by the number of population in that stage's official age group multiplied by 100. The 2008/2009 gross enrolment ratio in the first cycle was 95.6%, the corresponding figures for males and females are 96.1% and 95.1%, respectively. The net enrolment ratio, defined as the number of enrolled pupils in the official age range of a particular education stage divided by the number of population in that stage's official age group multiplied by 100.

The 2008/2009 net enrolment ratio in the first cycle was 81.8%, the corresponding figures for males and females are 83.0% and 80.5%, respectively.



**4.1.13. Female/Male Students Ratio in Government and Private Schools by Educational Stage and Gender, 2008/2009**

Stage	Males	Females	Females/ Males
Grand total	141,504	137,260	97.0
Kindergarten	21,647	20,480	94.6
Cycle1	57,652	55,648	96.5
Cycle2	39,568	37,349	94.4
Secondary	22,131	23,684	107.0
Special Education	224	99	44.2
Religious Education	282	0	0.0
<b>Government Education</b>	57,140	64,425	112.7
Kindergarten	5,245	5,550	105.8
Cycle1	19,931	22,613	113.5
Cycle2	19,316	20,342	105.3
Secondary	12,142	15,821	130.3
Special Education	224	99	44.2
Religious Education	282	0	0.0
<b>Private Education</b>	84,364	72,835	86.3
Kindergarten	16,402	14,930	91.0
Cycle1	37,721	33,035	87.6
Cycle2	20,252	17,007	84.0
Secondary	9,989	7,863	78.7
Special Education	0	0	-
Religious Education	0	0	-

Source: Statistics Centre- Abu Dhabi, Ministry of Education

**4.1.14. Gross Enrollment Ratio by Gender and Educational Stage, 2008/2009**

Stage	Males	Females	Both Genders
Kindergarten	58.7	56.8	57.7
Class 1	108.5	110.4	109.4
Cycle1	96.1	95.1	95.6
Cycle2	88.3	85.5	86.9
Secondary	79.4	81.7	80.6

Source: Statistics Centre- Abu Dhabi, Ministry of Education

**4.1.15. 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

## Dropout and Progression

The dropout rate in all grades of the first cycle of government education during the school year 2007/2008 was 1.8 %, and the corresponding rates among male and female pupils were 2.4% and 1.1% respectively. The dropout rate increases with the education stage, that is, while dropout rate in the first education cycle was 0.7%, it increases to 1.3% in the second education cycle and to 4.1% in the secondary education stage.

This finding applies to both nationals and non-nationals as well as to all the regions of Abu Dhabi Emirate.

The 2008/2009 progression ratios to secondary school for males, females and both sexes were 102.6% 105.4% and 104.0% respectively.

### 4.1.16. Ratio of Progression to Secondary School by Gender, 2008/2009

Stage	Males	Females	Both Genders
Class 10 (2008/2009)	8,712	8,843	17,555
Class 9 (2007/2008)	8,494	8,392	16,886
%	102.6	105.4	104

Source: Ministry of Education, Statistics Centre- Abu Dhabi

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

Type	Males	Females	Both Genders
Grant Total	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
Abu Dhabi	1.9	1.0	1.4
Cycle 1	1.0	0.3	0.6
Cycle 2	1.0	0.4	0.7
Secondary	4.5	2.8	3.6
Al Ain	3.0	1.2	2.1
Cycle 1	0.9	0.4	0.7
Cycle 2	2.8	0.8	1.8
Secondary	7.1	2.9	4.8
Western Region	2.7	1.2	1.9
Cycle 1	1.3	1.0	1.2
Cycle 2	3.0	0.4	1.7
Secondary	4.5	2.7	3.6
<b>Nationals</b>	2.5	1.0	1.7
Cycle 1	0.9	0.3	0.6
Cycle 2	2.0	0.6	1.3
Secondary	6.8	3.0	4.7
Abu Dhabi	1.9	1.0	1.5
Cycle 1	1.0	0.3	0.6
Cycle 2	1.0	0.3	0.7
Secondary	5.6	3.3	4.4
Al Ain	3.2	1.1	2.1
Cycle 1	0.9	0.3	0.6
Cycle 2	2.9	0.8	1.9
Secondary	8.5	2.9	5.2
Western Region	2.7	1.0	1.8
Cycle 1	0.8	0.9	0.8
Cycle 2	3.3	0.4	1.9
Secondary	5.3	2.2	3.7

Cont..

Type	Males	Females	Both Genders
<b>Non Nationals</b>	2.3	1.3	1.8
Cycle 1	1.2	0.7	1.0
Cycle 2	1.7	0.6	1.2
Secondary	3.6	2.4	3.0
Abu Dhabi	1.8	1.0	1.4
Cycle 1	0.9	0.5	0.7
Cycle 2	0.9	0.6	0.8
Secondary	3.0	1.7	2.4
Al Ain	2.6	1.5	2.1
Cycle 1	1.0	0.7	0.9
Cycle 2	2.3	0.8	1.5
Secondary	4.6	3.1	3.8
Western Region	2.7	1.5	2.1
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

## ***Educational Attainment***

The estimated mid-2009 distribution of the population (10 years and over) by educational attainment shows that the number of illiterates was 115,829, of whom 86,306 were males and 29,523 were females.

The percentages of illiteracy among males, females and both sexes were, 9.2%, 6.6% and 8.3% respectively.

The corresponding figures among national males, females and both sexes were, 3.6%, 9.0% and 6.3% respectively.

The percentage of population (10 years and over) who attained university or higher certificate among males, females and both sexes were, 13.1%, 16.4% and 14.2% respectively.

The corresponding figures among national males, females and both sexes were, 11.2%, 10.7% and 10.9% respectively.

**4.1.18. Percentage Distribution of Higher Education Students by Sector, Nationality and Gender, 2007/2008**

Sector	Male	Female	Total
<b>Nationals</b>	76.0	84.5	81.6
Government	85.9	92.0	90.6
Private	66.5	52.1	60.5
<b>Non-Nationals</b>	24.0	15.5	18.4
Government	14.1	8.0	9.4
Private	33.5	47.9	39.5

Source: UAE University, Ministry of Higher Education and Scientific Research, Statistic Centre - Abu Dhabi

**4.1.19. Percentage Distribution of Graduate Students by Nationality, Gender and Sector, 2007/2008**

Sector	Male	Female	Total
<b>Nationals</b>	81.3	86.3	84.3
Government	90.4	94.0	93.1
Private	68.2	45.6	58.4
<b>Non-Nationals</b>	18.7	13.7	15.4
Government	9.6	6.0	6.9
Private	31.8	54.4	41.6

Source: UAE University, Ministry of Higher Education and Scientific Research, Statistics Centre - Abu Dhabi

## 4.2. Health

Health services in the Emirate of Abu Dhabi have experienced remarkable development and expansion, both quantitatively and qualitatively. This is evident from the significant rise in the number of hospitals and health clinics in the Emirate in 2009 reaching 39 and 207 respectively.

Relevant data for 2009 also point to an increase in the number of health professionals and resources. In this regard, the number of nurses grew to 8,142 and the number of hospital beds reached 3,621. The number of physicians/1000 population, the number of nurses/1000 population and the number of beds/1000 population are 2.6, 5.0 and 2.2 respectively. During 2009 the Emirate of Abu Dhabi provided 588451 vaccinations for various diseases. The number of communicable disease notifications for the period under review was 13,355.

Health insurance received particular attention in the Emirate of Abu Dhabi, which led to an increase in the number of insurance companies and initiatives. This in turn favoured the increased provision of medical treatment in general, with the number of encounters (inpatient/outpatient) reaching 11,468,080 in 2009 compared to 9,178,046 in 2007. The number of patients admitted to Government hospitals in 2009 was 105,100. The number of persons insured increased by 5.3% between 2008 and 2009.

### Key Health Statistics, 2009

Indicators	Value
Physicians per 1000 populations	2.6
Beds per 1000 populations	2.2
Nurses per 1000 population	5.0
Number of Hospitals	39
Number of Health Centres	365
Number of Clinics	207
Number of Pharmacies	405
Number of Physicians	4,327
Number of Beds	3,621
Number of Nurses	8,142

Source: Health Authority - Abu Dhabi

#### 4.2.1. Summary of Government Health Statistics

Details	2007	2008	2009
Hospitals	12	12	12
Clinics	51	52	na
Beds	2,439	2,596	2,652
Patients Admitted	105,200	106,200	105,100
Doctors	1,662	2,786	1,822
Out - Patients	1,409,500	1,379,800	1,331,900
Laboratory Tests	na	10,979,049	na
X Rays	na	776,705	na
Operations Performed	na	33,338	na

Source: Health Authority - Abu Dhabi

#### 4.2.2. Number of Hospitals by Region and Sector, 2008

Type	Abu Dhabi	Al Ain	Western Region	Total
Total	24	9	6	39
Government	4	3	5	12
Private	19	5	1	25
Military	1	1	0	2

Source: Health Authority - Abu Dhabi



### 4.2.3. Death Rate by Causes of Death Per 100,000 Population, 2009

Causes of Death	%
Diseases of the Circulatory System	44.2
External Causes of Morbidity and Mortality	39.2
Neoplasms	24.3
Congenital Malformations, Deformations and Chromosomal	12.7
Injury, Poisoning and certain other consequences of external causes	3.7
Endocrine, Nutritional and Metabolic diseases	12.9
Diseases of the respiratory System	5.4
Certain Infectious and Parasitic Diseases	2.6
Certain conditions originating in the prenatal period	1.1
Diseases of the digestive system	2.3
Diseases of the genitourinary system	2.3
Diseases of the nervous system	2.0
Diseases of the blood and blood - forming organs and certain disorders involving the immune mechanism	0.3
Diseases of the musculoskeletal system and connective tissues	0.1
Mental and behavioural disorders	0.4
Diseases of the skin and subcutaneous tissues	0.2
Pregnancy, childbirth and the puerperum	0.1
Symptoms, signs and abnormal clinical and laboratory findings not elsewhere classified	28.0
Causes of death not identified	0.1

Source: Statistics Centre - Abu Dhabi

#### 4.2.4 Notifications of Infectious Diseases

Infectious Diseases	2005	2007	2008	2009
Total	12,345	16,216	18,489	13,355
Acute Flaccid Paralysis	14	12	11	11
Chicken pox	6,307	10,210	15,161	7,219
Measles	18	34	24	34
Mumps	117	151	184	200
Rubella	23	12	19	48
Tetanus	-	2	1	3
Whooping cough	10	35	29	40
Influenza	53	27	-	-
Campylobacter food poisoning	-	-	13	-
Other food poisoning	111	215	85	309
Paratyphoid	15	6	12	30
Salmonella (others)	-	-	8	-
Salmonella food poisoning	105	128	39	205
Staphylococcus food poisoning	-	-	3	-
Typhoid fever	45	76	117	133
Hepatitis A	186	211	212	181
Hepatitis B cases	384	560	585	518
Hepatitis C cases	191	262	425	479
V Hepatitis other	-	4	8	12
Meningococcal Meningitis	1	2	6	-
H Influenza Meningitis	-	6	1	-
Other Bacterial Meningitis	15	21	22	24
Viral Mening Asep	-	-	23	33
Leprosy	3	9	7	-
Malaria	570	727	991	1,393
Scabies	42	261	317	495
Scarlet fever	71	99	162	175
Cholera	2	1	-	-
Seasonal Influenza	-	-	-	951
Pulmonary Tuberculosis	239	1,260	-	192
Extra Pulmonary Tuberculosis	-	-	-	79
Syphilis	335	488	-	145
Other STD's	51	202	-	65
Ascariasis	1,037	104	-	-
Viral Meningitis	76	77	-	-

Cont..

Infectious Diseases	2005	2007	2008	2009
Bacillary Dysentery	32	71	-	52
Other Bacterial Dysentery	-	-	-	123
Amoebic Dysentery	470	105	-	-
Gonorrhoea	25	39	-	27
Brucellosis	28	69	-	45
Ancylostomiasis	193	17	-	-
Strep-pneumonia	6	14	-	-
Schistosomiasis	5	11	-	36
Other intestinal parasites	672	4	-	-
Acute Encephalites	6	3	-	10
Giardia Lambia	863	170	-	36
Other	24	511	24	52

Source: Health Authority - Abu Dhabi

#### 4.2.5 Beds and Admissions in Government Hospitals by Region

Region	2007	2008	2009
<b>Total</b>			
Beds	2,439	2,596	2,652
Patients Admitted	105,200	106,200	105,100
<b>Abu Dhabi Region</b>			
Beds	1,312	1,492	1,550
Patients Admitted	60,160	59,000	58,700
<b>Al Ain Region</b>			
Beds	927	831	851
Patients Admitted	35,640	39,100	38,400
<b>Western Region</b>			
Beds	200	273	251
Patients Admitted	9,400	8,100	8,000

Source: Health Authority - Abu Dhabi

#### 4.2.6 Immunizations Carried Out by Type

Vaccinations	2008	2009
Total	750,881	588,451
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	-
Rotavirus	769	1,730
Varicella (Chicken pox)	505	573
Influenza	217	360
Others	14,760	1,086

Source: Health Authority - Abu Dhabi

#### 4.2.7 Persons Insured by Insurance Companies

Insurance Company	2007	2008	2009
Thiqa	-	383,795	394,618
Daman Basic	819,541	944,344	936,207
<b>Total Enhanced</b>	<b>578,987</b>	<b>921,684</b>	<b>911,191</b>
Daman Enhanced	283,706	304,649	301,447
Oman Insurance Company	27,593	90,229	205,690
Abu Dhabi National Insurance Company	55,984	94,758	21,305
Al Sagr National Insurance Company	37,521	25,083	27,661
Al Khazna Insurance Company	32,606	155,735	137,648
Alliance Insurance Company	15,728	792	881
Al - Buhaira National Insurance Company	18,494	1,887	51,215
Arab Orient Insurance company	7,958	12,721	1,524
Emirate Insurance Company	15,062	14,087	15,167
Al Dhafra Insurance Company	3,519	6,431	957
Abu Dhabi National Takaful Company - Takaful	8,413	4,707	16,222
Qatar Insurance Company	4,872	97,058	9,332
Ras al Khaimah National Insurance company	18,422	40,960	11,368
American Life Insurance Company	21,216	926	1,030
Al Ain Ahlia Insurance Company	7,431	24,337	23,857
Arabian Scandinavian Insurance Company	4,086	-	-
Al Fujairah National Insurance Company	467	-	36
United Insurance Company	15	1,437	3,645
Lebanese Insurance Company	806	10,381	3,596
Salama	385	916	1,726
Aman	67	-	258
National General Insurance Company	679	4,489	627
Saudi Arabian	4,709	-	2,445
Royal and Sun alliance	-	186	781
Arabian Insurance Company	132	-	443
Al Wathba National Insurance Company	9,101	-	41,583
Axa Insurance - Gulf	15	18,458	1,870
Al Hilal Tkaful	-	8,827	5,003
NoorTakaful	-	469	47
Dubai	-	49	2486
Green Crescent	-	2,112	21,341

Source: Health Authority - Abu Dhabi

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

### 4.3. Social Welfare

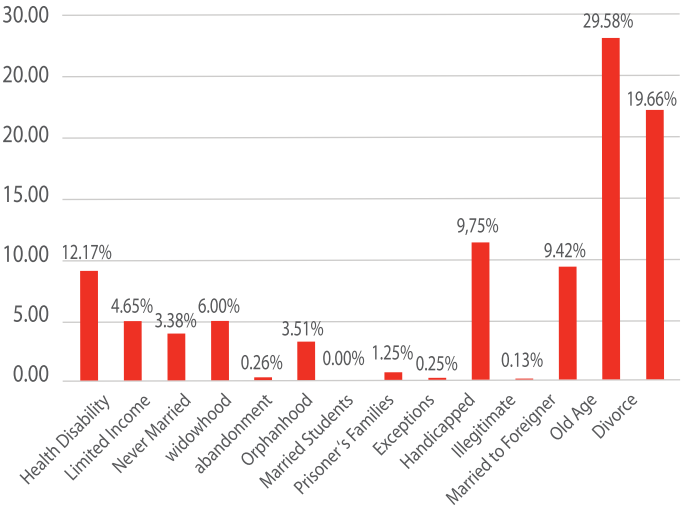
The social services provided by the United Arab Emirates to members of society have contributed significantly to the nation's development process and helped to strengthen the prosperity and well-being of the people. In this regard, the value of social assistance provided to nationals in the Emirate of Abu Dhabi reached AED 619.345 million, with 128,321 beneficiaries in 2009. In December 2009 alone, AED 51.723 million of social assistance was distributed to 10,861 beneficiaries.

The largest proportion of beneficiaries among nationals was the elderly, with 3,077 cases receiving social aid amounting to AED 15.596 million during December 2009.

The number of non-government organisations (NGOs) increased from 42 in 2005 to 47 in 2009, with their members reaching 19,899 in 2009.

The number of nurseries increased from 31 in 2005 to 46 in 2009, with 653 employees looking after 3,970 children in 2008.

**Figure 4.3.1 Percentage Distribution of Social Aid Cases by Type, 2009**



#### 4.3.1 Non - Government Organizations by Activity

Activity	2005	2007	2008	2009
Total	42	45	46	47
Women	4	4	4	2
Professional	7	7	7	8
Popular Art	4	4	4	4
Cultural and Public Services	10	11	12	13
Humanitarian Services	1	2	2	3
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, 2009

Type of Activity	Number	Members		
		Active	Associate	Total
Total	47	18,652	1,247	19,899
Women	2	31	0	31
Professional	8	10,462	899	11,361
Popular Art	4	1,002	200	1,202
Cultural and Public Services	13	102	6	108
Humanitarian Services	3	267	126	393
Theatres	4	117	15	132
Foreign Associations	13	6,671	1	6,672

Source: Ministry of Social Affairs

### 4.3.3. Social Aid Cases by Aid Reason and Age Groups, December 2008

Aid Reason	Age Groups			
	Less than 10 years	10 - 19 years	20 - 49 years	50+ years
Total	327	814	4,533	4,747
Health Disability	6	46	704	193
Limited Income	-	14	156	314
Never Married	-	-	458	19
Widowhood	-	-	210	296
Abandonment	-	1	5	16
Orphanhood	22	169	187	-
Married Students	-	-	9	-
Prisoner's Families	16	29	33	1
Exceptions	-	1	5	8
Handicapped	282	534	382	2
Illegitimate	1	12	4	1
Married to Foreigner	-	4	804	67
Old Age	-	-	-	2,988
Divorce	-	4	1,576	842

Source: Ministry of Social Affairs



**4.3.4 Cases and Value of Social Aid Offered to Nationals by Reason of Aid, December 2009**

(values in AED)

Case Type	Cases	Total Aid Value	% Cases
Total	10,861	51,723,022	100
Health Disability	1,005	6,296,035	9.25
Limited Income	569	2,402,929	5.24
Never Married	438	1,747,805	4.03
Widowhood	560	3,101,820	5.16
Abandonment	19	134,300	0.17
Orphanhood	364	1,815,584	3.35
Married Students	0	0	0.00
Prisoner's Families	79	644,290	0.73
Exceptions	13	128,700	0.12
Handicapped	1,244	5,044,295	11.45
Illegitimate	16	67,650	0.15
Married to Foreigner	1,037	4,873,065	9.55
Old Age	3,077	15,297,094	28.33
Divorce	2,440	10,169,455	22.47

Source: Ministry of Social Affairs

#### 4.3.5 Number of Beneficiary Cases and Social Aid Value Given by Month of Aid, 2009

(values in AED)

Month	Cases	Aid Value
Total	128,321	619,344,969
January	10,488	51,225,482
February	10,547	51,384,976
March	10,664	51,872,688
April	10,622	51,572,151
May	10,633	51,584,611
June	10,675	51,668,449
July	10,704	51,716,194
August	10,761	51,651,297
September	10,773	51,626,023
October	10,791	51,655,738
November	10,802	51,664,338
December	10,861	51,723,022

Source: Ministry of Social Affairs

#### 4.3.6 Nurseries, Employees and Children in Nurseries Operating Under the Supervision of the Ministry of Social Affairs

Item	2005	2007	2008	2009
Number of Nurseries	31	42	42	46
Number of employees at Nurseries	282	496	436	653
Number of Children at Nurseries	2,275	3,681	3,620	3,970

Source: Ministry of Social Affairs

**4.3.7 Children in Nurseries Operating Under the Supervision of Ministry of Social Affairs by Gender, Age and Nationality**

Items	2005	2007	2008	2009
Total	2,275	3,681	3,620	3,970
Nationals	481	766	894	776
Non - Nationals	1,794	2,915	2,726	3,194
Females	1,172	1,941	1,886	1,910
Males	1,103	1,740	1,734	2,060
Infants	321	314	336	257
Non - Infants	1,954	3,367	3,284	3,713

Source: Ministry of Social Affairs

#### 4.3.8. Number of Disabled Students in Government and Private Care Centres by Gender, 2009

Nationality / Centre	Male	Female	Total
<b>Nationals</b>	527	294	821
Handicapped Care and Rehabilitation Centre in Abu Dhabi	89	58	147
Al Ain Centre for Care and Rehabilitation	134	81	215
Special Care Centre	0	0	0
Al Silla Centre for Special Needs	20	8	28
Ghiathy Centre for Special Need	13	12	25
Alqoo, Centre for Rehabilitation and care for Individuals	7	11	18
Zayed City Centre for special Need	10	20	30
Abu Dhabi Centre for Autism	26	6	32
Stars Centre for Special Abilities	5	3	8
Al Amal Handicapped Care and Rehabilitation Centre	2	2	4
Al Ain Private Centre for Care and Rehabilitation	55	24	79
Al Najah Private Rehabilitation Centre	8	5	13
Future Centre for Special Needs	45	33	78
Gulf Autism Centre	16	9	25
Al Noor Speech Hearing and Capacity development Centre	11	7	18
Hope Centre for Special Need	4	3	7
Zayed Centre for Agriculture and Development and Rehabilitation	44	0	44
Capacity Development Centre for Special Need	4	1	5
The New England Centre for Children	18	6	24
Emirates Centre for Autism	16	5	21

**Cont..**

Nationality / Centre	Male	Female	Total
<b>Non - Nationals</b>	315	194	509
Handicapped Care and Rehabilitation Centre in Abu Dhabi	0	0	0
Al Ain Centre for Care and Rehabilitation	10	7	17
Special Care Centre	39	24	63
Al Silla Centre for Special Needs	3	0	3
Ghiathy Centre for Special Need	0	0	0
Alqoo, Centre for Rehabilitation and care for Individuals	6	7	13
Zayed City Centre for special Need	9	7	16
Abu Dhabi Centre for Autism	0	0	0
Stars Centre for Special Abilities	6	9	15
Al Amal Handicapped Care and Rehabilitation Centre	6	5	11
Al Ain Private Centre for Care and Rehabilitation	36	22	58
Al Najah Private Rehabilitation Centre	12	15	27
Future Centre for Special Needs	47	44	91
Gulf Autism Centre	8	2	10
Al Noor Speech Hearing and Capacity development Centre	54	38	92
Hope Centre for Special Need	33	4	37
Zayed Centre for Agriculture and Development and Rehabilitation	0	0	0
Capacity Development Centre for Special Need	26	7	33
The New England Centre for Children	1	0	1
Emirates Centre for Autism	19	3	22

Source: Ministry of Social Affairs

## 4.5. Culture and Heritage

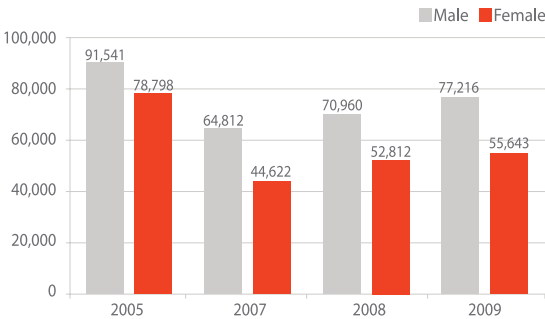
Abu Dhabi's rich heritage includes historical sites and artefacts dating back from the Stone Age until the late Islamic Era, in addition to cultural sites, picturesque landscapes and a distinct social heritage.

The number of museums in the Emirate of Abu Dhabi has increased to four, namely, Al-Ain National Museum, Al- Jahli Fort Museum, Al- Ain Palace Museum and the new Dalma Museum. In addition, the number of lectures organised by the Cultural Foundation increased from 51 in 2008 to 62 in 2009. The number of visitors to the National Library rose from 123,772 in 2008 to 132,859 in 2009, and 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 363,713 in 2009.

The number of visitors to the Zoo, Museums and Public Parks declined from 3,703,161 in 2008 to 3,148,631 in 2009. In 2009 there were 110 printing presses, 206 book stores, 180 publishers and distributors, 83 newspapers and magazines, 328 advertisers, and 17 cinemas.

The number of programmes broadcast by Abu Dhabi Radio Station was 43, of which 39 were produced locally and four abroad.

**Figure: 4.5.1 Number of Visitors at the National Library by Gender, 2005 - 2009**



### 4.5.1 Cultural Season's Lectures by Subject

Lecture Subject	2005	2007	2008	2009
Total	72	65	51	62
Scientific	26	22	8	9
Religious	10	8	10	14
Arts	6	21	14	18
Politics and Economics	13	6	11	12
Technical	17	8	8	9

Source: Cultural Foundation

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

Subject	2005	2007	2008	2009
<b>Total</b>	242,500	330,102	343,909	363,713
Religious	35,500	51,200	52,500	57,116
Historical	34,200	43,832	44,600	48,350
Literature	41,800	49,650	50,980	52,012
Politics	38,000	52,100	53,460	52,123
Economic	9,700	13,600	14,229	19,600
Law	7,800	12,220	13,100	12,230
Arts	7,000	10,500	11,200	9,712
Pure science	17,300	25,600	26,400	26,400
Applied Science	18,000	22,300	24,800	32,432
Children's Book	15,200	22,800	25,640	24,116
General Information	18,000	26,300	27,000	29,622

Source: Abu Dhabi Authority for Culture and Heritage

#### 4.5.3 Number of Visitors and Borrowers at the National Library by Gender

Item	2005	2007	2008	2009
<b>Visitors</b>	170,339	109,434	123,772	132,859
Male	91,541	64,812	70,960	77,216
Female	78,798	44,622	52,812	55,643
<b>Borrowers</b>	10,524	18,050	19,600	22,332
Male	5,682	11,798	12,168	14,520
Female	4,842	6,252	7,432	7,812

Source: Abu Dhabi Authority for Culture and Heritage

#### 4.5.4 Number of Visitors of the Zoo, Museums and Public Parks

Item	2006	2007	2008	2009
Total	2,593,443	3,543,527	3,703,161	3,148,631
Zoo	619,042	662,951	728,691	761,715
Hili Fun city	200,089	250,016	296,429	175,708
Public Parks	1,664,640	2,503,816	2,545,267	2,075,024
Al Ain Museum	53,110	55,517	56,693	38,195
Al Ain Palace Museum	56,562	71,227	72,281	82,776
Dalma Museum*	*	*	3,800	1,804
Al Jahili Fort Museum**	**	**	**	13,409

Source: Municipalities of Abu Dhabi city, Al Ain city, Western Region and Al Ain Wildlife park and Resort

\* Started in 2008

\*\*Started in 2009

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

Item	Total	Abu Dhabi	Al Ain	Western Region
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: National Media Council

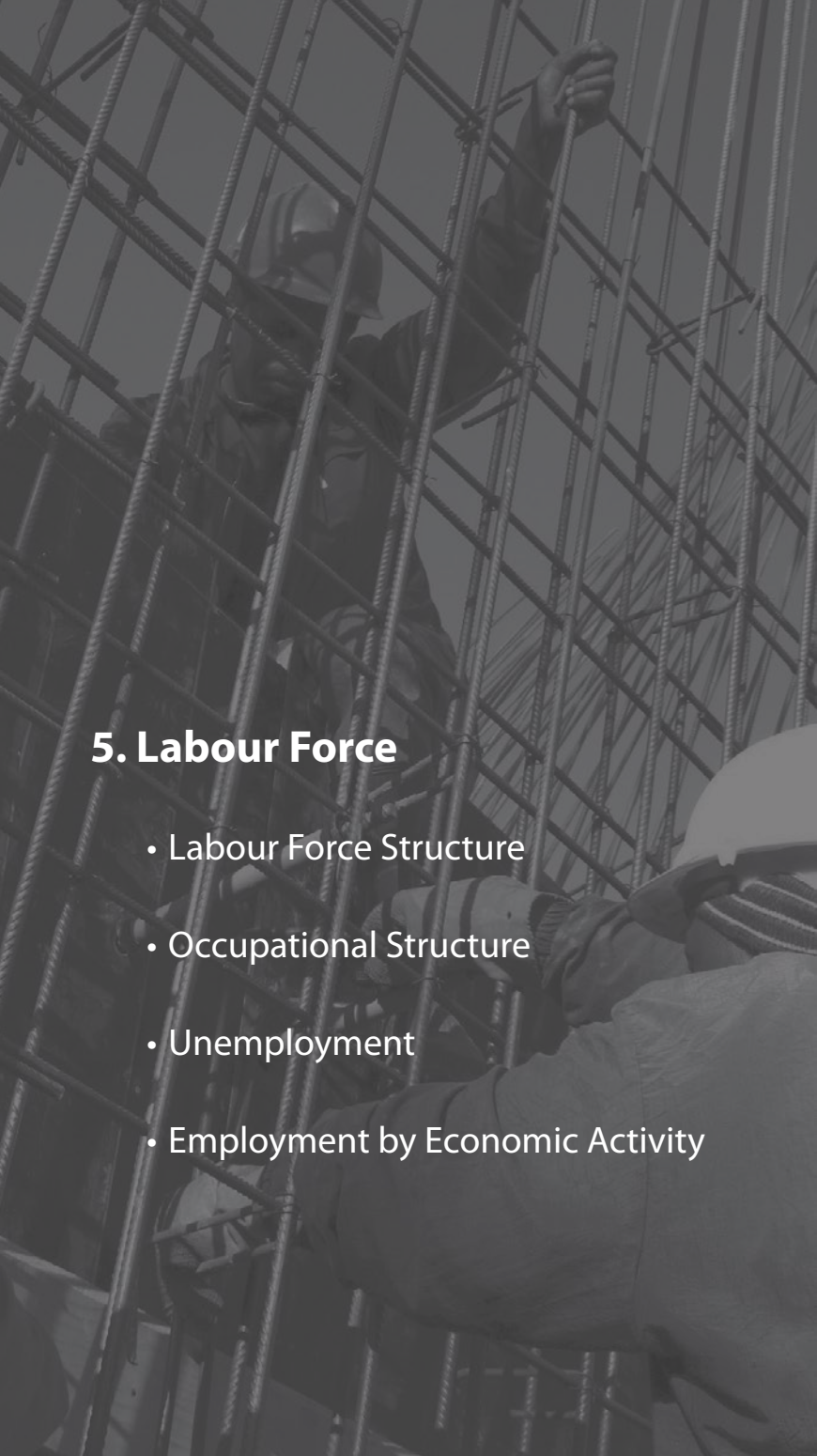
\*Include Publication and Distribution



**4.5.6 Number of Programs Broadcast by Abu Dhabi Radio Station by Type of Program and Production Origin, 2009**

Type of Program	Origin of Production		Total
	Domestic	Abroad	
Total	39	4	43
Religious	2	3	5
Cultural	7	1	8
News	17	0	17
Variety	7	0	7
Live	3	0	3
Special and Services	3	0	3

Source: Abu Dhabi Media Company



## 5. Labour Force

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

# 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.

SCAD's mid-2008 estimate in this regard reveals the size of the labour force to be 919,298 people (aged 15 years and over) of whom around 10.5% are nationals and 15.9% are female. The Crude Activity Rate (percentage of population in the labour force) was 58.4%.

The 2008 unemployment rates among nationals, non-nationals and the total labour force were 10.43%, 2.41% and 3.25 respectively.

2008	Percentage of Population in the Labour force	58.44%
	Females as a percentage of total labour force	15.88%
	Unemployment Rate (Total Labour Force)	3.25%
	Unemployment Rate (Nationals)	10.43%
	Unemployment Rate (Non-Nationals)	2.41%

## 5.1. Labour Force Structure

The Labour force comprises both employed and unemployed persons aged 15 years and over. The number of employed grew from 294,524 in 1985 to 786,738 in 2005, according to the results of the population censuses taken in those years. SCAD's mid-2008 estimate in this regard reveals the number of employed to be 889,418 people (aged 15 years and over) of whom 9.7% are nationals and 15.5% are female.

The number of unemployed grew from 2,882 in 1985 to 28,573 in 2005, according to the results of the population censuses taken in those years. SCAD's mid-2008 estimate in this regard reveals the number of unemployed to be 29,881 people (aged 15-64 years), of whom 33.6% are nationals and 27.3% are female.

Regarding the 2008 age structure of the labour force, the 30-34 years age group accounts for the largest proportion among non-nationals and the total labour force (20.7% and 20.3% respectively), whereas among nationals the corresponding age group is 25-29 years (26%).

### 5.1.1. Labour Force Indicators (15 years and over) from Population Censuses

Indicator	1985	1995	2001	2005
<b>Labour Force</b>	297,406	532,881	676,547	815,311
Nationals	22,358	43,183	71,651	85,838
Non-Nationals	275,048	489,698	604,896	729,473
<b>Employed</b>	294,524	525,457	649,342	786,738
Nationals	21,579	40,981	60,753	75,518
Non-Nationals	272,945	484,476	588,589	711,220
<b>Unemployed</b>	2,882	7,424	27,205	28,573
Nationals	779	2,202	10,898	10,320
Non-Nationals	2,103	5,222	16,307	18,253
<b>Unemployment Rate (%) *</b>	0.97	1.39	4.02	3.50
Nationals	3.48	5.10	15.21	12.02

Source: Ministry of Economy , Department of Economic Development

\*Statistics Centre - Abu Dhabi

### 5.1.2. Employed ( 15 years and over) by Nationality and Gender

Nationality and Gender	2005	2007	2008
<b>Total</b>	786,738	848,054	889,418
Male	677,950	722,211	751,632
Female	108,788	125,843	137,786
<b>Nationals</b>	75,518	81,965	86,272
Male	60,911	65,212	68,074
Female	14,607	16,753	18,198
<b>Non Nationals</b>	711,220	766,090	803,145
Male	617,039	657,000	683,558
Female	94,181	109,090	119,587

Source: Statistics Centre - Abu Dhabi

### 5.1.3. Labour Force Estimates by Employment Status

Status	2005	2007	2008
<b>Employed</b>			
Number	786,738	848,054	889,418
Percentage	96.50	96.66	96.75
<b>Unemployed</b>			
Number	28,573	29,332	29,881
Percentage	3.50	3.34	3.25

Source: Statistics Centre - Abu Dhabi

### 5.1.4. Labour Force Estimates by Gender and Employment Status

Status	2005	2007	2008
<b>Employed</b>	786,738	848,054	889,417
Male	677,950	722,211	751,632
Female	108,788	125,843	137,785
<b>Unemployed</b>	28,573	29,332	29,881
Male	19,594	20,863	21,717
Female	8,979	8,469	8,164

Source: Statistics Centre - Abu Dhabi

**5.1.5. Total Labour Force Estimates (15 years and over) by Age Group, Nationality and Gender, Mid - 2008**

Age Group / Nationality	Males	Females	Total
<b>Grand Total</b>	773,349	145,949	919,298
15 - 19	6,798	2,818	9,617
20 - 24	76,692	26,756	103,448
25 - 29	147,068	37,845	184,914
30 - 34	155,831	30,688	186,519
35 - 39	131,329	21,105	152,434
40 - 44	101,543	13,002	114,546
45 - 49	75,392	7,672	83,064
50 - 54	47,474	4,095	51,569
55 - 59	22,803	1,472	24,275
60 - 64	6,729	384	7,113
65+	1,690	110	1,800
<b>Nationals</b>	75,870	20,449	96,319
15 - 19	3,071	271	3,342
20 - 24	15,842	3,827	19,669
25 - 29	17,584	7,466	25,050
30 - 34	11,920	4,501	16,420
35 - 39	8,710	2,492	11,202
40 - 44	5,892	1,077	6,969
45 - 49	4,627	482	5,109
50 - 54	3,523	182	3,704
55 - 59	2,614	102	2,716
60 - 64	1,671	37	1,709
65+	417	12	429
<b>Non-Nationals</b>	697,479	125,500	822,979
15 - 19	3,728	2,547	6,275
20 - 24	60,850	22,930	83,779
25 - 29	129,484	30,380	159,864
30 - 34	143,911	26,187	170,099
35 - 39	122,619	18,613	141,232
40 - 44	95,652	11,925	107,577
45 - 49	70,765	7,190	77,954
50 - 54	43,951	3,914	47,865
55 - 59	20,189	1,370	21,559
60 - 64	5,057	347	5,404
65+	1,273	98	1,371

Source: Statistics Centre - Abu Dhabi

**5.1.6. Labour Force Estimates (15 years and over) by Age Group, Nationality and Gender- Abu Dhabi Region, Mid - 2008**

Age Group / Nationality	Males	Females	Total
<b>Grand Total</b>	437,786	94,175	531,961
15 - 19	3,093	1,618	4,711
20 - 24	42,581	16,029	58,610
25 - 29	81,943	24,081	106,024
30 - 34	87,804	20,025	107,829
35 - 39	73,709	13,939	87,648
40 - 44	57,452	8,827	66,279
45 - 49	43,302	5,284	48,586
50 - 54	28,393	2,960	31,354
55 - 59	13,926	1,043	14,969
60 - 64	4,353	285	4,638
65+	1,229	84	1,313
<b>Nationals</b>	41,753	12,755	54,508
15 - 19	1,113	169	1,283
20 - 24	7,910	2,324	10,234
25 - 29	9,539	4,487	14,026
30 - 34	6,984	2,796	9,780
35 - 39	5,219	1,631	6,850
40 - 44	3,583	759	4,342
45 - 49	2,734	357	3,091
50 - 54	2,038	128	2,167
55 - 59	1,473	70	1,543
60 - 64	908	23	931
65+	250	11	262
<b>Non- Nationals</b>	396,033	81,420	477,453
15 - 19	1,979	1,449	3,428
20 - 24	34,671	13,705	48,376
25 - 29	72,404	19,594	91,998
30 - 34	80,820	17,230	98,050
35 - 39	68,490	12,308	80,799
40 - 44	53,869	8,068	61,937
45 - 49	40,568	4,928	45,496
50 - 54	26,355	2,832	29,187
55 - 59	12,453	972	13,425
60 - 64	3,445	262	3,707
65+	978	73	1,051

Source: Statistics Centre - Abu Dhabi



**5.1.7. Labour Force Estimates (15 years and over) by Age Group, Nationality and Gender- Al Ain Region, Mid - 2008**

Age Group / Nationality	Males	Females	Total
<b>Grand Total</b>	243,085	45,306	288,391
15 - 19	3,233	1,032	4,265
20 - 24	26,027	9,463	35,490
25 - 29	47,706	12,261	59,967
30 - 34	48,451	9,279	57,729
35 - 39	40,784	6,192	46,976
40 - 44	31,332	3,595	34,927
45 - 49	22,745	2,012	24,757
50 - 54	13,903	969	14,872
55 - 59	6,537	385	6,922
60 - 64	1,983	98	2,081
65+	383	21	405
<b>Nationals</b>	28,277	7,007	35,284
15 - 19	1,752	83	1,834
20 - 24	6,499	1,316	7,815
25 - 29	6,561	2,735	9,297
30 - 34	4,129	1,580	5,709
35 - 39	2,886	798	3,684
40 - 44	1,843	291	2,133
45 - 49	1,566	113	1,679
50 - 54	1,251	48	1,299
55 - 59	966	28	994
60 - 64	686	13	699
65+	139	1	140
<b>Non- Nationals</b>	214,808	38,300	253,108
15 - 19	1,482	949	2,431
20 - 24	19,528	8,147	27,675
25 - 29	41,145	9,525	50,670
30 - 34	44,321	7,699	52,020
35 - 39	37,898	5,394	43,292
40 - 44	29,489	3,305	32,794
45 - 49	21,179	1,898	23,077
50 - 54	12,652	921	13,573
55 - 59	5,571	356	5,928
60 - 64	1,297	85	1,382
65+	245	20	265

Source: Statistics Centre - Abu Dhabi

**5.1.8. Labour Force Estimates (15 years and over) by Age Group, Nationality and Gender- Western Region, Mid - 2008**

Age Group / Nationality	Males	Females	Total
<b>Grand Total</b>	82,027	5,968	87,995
15 - 19	407	146	553
20 - 24	7,023	1,156	8,179
25 - 29	15,671	1,377	17,048
30 - 34	17,758	1,302	19,060
35 - 39	15,321	904	16,224
40 - 44	11,421	546	11,966
45 - 49	7,964	339	8,303
50 - 54	4,226	149	4,375
55 - 59	1,853	43	1,896
60 - 64	320	-	320
65+	64	5	70
<b>Nationals</b>	4,912	601	5,513
15 - 19	164	15	179
20 - 24	1,218	148	1,366
25 - 29	1,234	217	1,451
30 - 34	651	116	767
35 - 39	534	60	594
40 - 44	410	27	437
45 - 49	269	10	279
50 - 54	195	5	200
55 - 59	146	4	150
60 - 64	68	-	68
65+	22	-	22
<b>Non- Nationals</b>	77,115	5,367	82,481
15 - 19	243	131	375
20 - 24	5,804	1,008	6,813
25 - 29	14,437	1,160	15,597
30 - 34	17,107	1,187	18,294
35 - 39	14,787	844	15,630
40 - 44	11,010	519	11,529
45 - 49	7,695	329	8,024
50 - 54	4,031	144	4,175
55 - 59	1,707	40	1,747
60 - 64	251	-	251
65+	42	5	47

Source: Statistics Centre - Abu Dhabi

**5.1.9. Labour Force Estimates (15 years and over) by Age Group, Nationality and Gender- Abu Dhabi Islands, Mid - 2008**

Age Group / Nationality	Males	Females	Total
<b>Grand Total</b>	10,451	500	10,951
15 - 19	65	22	87
20 - 24	1,060	109	1,169
25 - 29	1,748	127	1,875
30 - 34	1,818	82	1,900
35 - 39	1,514	71	1,585
40 - 44	1,339	34	1,373
45 - 49	1,381	37	1,418
50 - 54	952	17	968
55 - 59	487	1	488
60 - 64	73	1	74
65+	13	-	13
<b>Nationals</b>	928	86	1,014
15 - 19	42	4	46
20 - 24	215	39	254
25 - 29	249	26	275
30 - 34	155	10	165
35 - 39	70	4	74
40 - 44	56	-	56
45 - 49	58	2	61
50 - 54	39	-	39
55 - 59	29	-	29
60 - 64	9	1	10
65+	6	-	6
<b>Non- Nationals</b>	9,523	414	9,937
15 - 19	23	17	41
20 - 24	845	70	915
25 - 29	1,499	101	1,600
30 - 34	1,663	72	1,735
35 - 39	1,444	67	1,511
40 - 44	1,283	34	1,318
45 - 49	1,323	34	1,357
50 - 54	913	17	929
55 - 59	458	1	459
60 - 64	64	-	64
65+	8	-	8

Source: Statistics Centre - Abu Dhabi

**5.1.10. Estimates the Employed Population (15 years and over) by Age Group, Nationality and Gender, Mid - 2008**

Age Group / Nationality	Males	Females	Total
<b>Grand Total</b>	751,632	137,785	889,417
15 - 19	5,167	2,150	7,317
20 - 24	72,139	23,986	96,125
25 - 29	143,501	35,796	179,298
30 - 34	153,682	29,714	183,396
35 - 39	129,623	20,452	150,075
40 - 44	99,973	12,584	112,558
45 - 49	73,675	7,389	81,064
50 - 54	45,634	3,921	49,555
55 - 59	21,245	1,362	22,607
60 - 64	5,303	320	5,623
65+	1,690	110	1,800
<b>Nationals</b>	68,074	18,198	86,272
15 - 19	2,635	150	2,784
20 - 24	14,705	2,879	17,583
25 - 29	16,751	6,745	23,496
30 - 34	11,436	4,304	15,740
35 - 39	8,235	2,373	10,609
40 - 44	5,267	1,014	6,281
45 - 49	3,704	448	4,151
50 - 54	2,451	155	2,606
55 - 59	1,653	90	1,743
60 - 64	819	29	848
65+	417	12	429
<b>Non- Nationals</b>	683,558	119,587	803,145
15 - 19	2,532	2,000	4,532
20 - 24	57,434	21,107	78,542
25 - 29	126,750	29,052	155,802
30 - 34	142,246	25,410	167,656
35 - 39	121,388	18,078	139,466
40 - 44	94,706	11,570	106,276
45 - 49	69,972	6,941	76,913
50 - 54	43,182	3,766	46,949
55 - 59	19,592	1,272	20,864
60 - 64	4,483	292	4,775
65+	1,273	98	1,371

Source: Statistics Centre - Abu Dhabi

**5.1.11. Estimates of the Employed Population (15 years and over) by Age Group, Nationality and Gender - Abu Dhabi Region, Mid - 2008**

Age Group / Nationality	Males	Females	Total
<b>Grand Total</b>	425,488	88,649	514,137
15 - 19	2,282	1,223	3,505
20 - 24	39,900	14,343	54,243
25 - 29	79,823	22,788	102,611
30 - 34	86,473	19,271	105,744
35 - 39	72,736	13,424	86,160
40 - 44	56,595	8,471	65,066
45 - 49	42,335	5,047	47,382
50 - 54	27,445	2,806	30,252
55 - 59	13,088	957	14,045
60 - 64	3,580	237	3,816
65+	1,229	84	1,313
<b>Nationals</b>	37,701	11,713	49,414
15 - 19	901	105	1,006
20 - 24	7,303	1,911	9,213
25 - 29	9,091	4,212	13,303
30 - 34	6,727	2,689	9,416
35 - 39	4,984	1,563	6,547
40 - 44	3,283	707	3,990
45 - 49	2,243	331	2,574
50 - 54	1,493	107	1,601
55 - 59	956	61	1,017
60 - 64	468	17	486
65+	250	11	262
<b>Non- Nationals</b>	387,787	76,936	464,722
15 - 19	1,381	1,118	2,499
20 - 24	32,597	12,432	45,029
25 - 29	70,732	18,576	89,308
30 - 34	79,746	16,582	96,328
35 - 39	67,752	11,861	79,613
40 - 44	53,312	7,763	61,076
45 - 49	40,091	4,717	44,808
50 - 54	25,952	2,699	28,651
55 - 59	12,133	895	13,028
60 - 64	3,112	219	3,331
65+	978	73	1,051

Source: Statistics Centre - Abu Dhabi

**5.1.12. Estimates of the Employed Population (15 years and over) by Age Group, Nationality and Gender - Al Ain Region, Mid - 2008**

Age Group / Nationality	Males	Females	Total
<b>Grand Total</b>	234,762	42,878	277,640
15 - 19	2,489	789	3,278
20 - 24	24,386	8,474	32,860
25 - 29	46,415	11,559	57,974
30 - 34	47,744	9,075	56,818
35 - 39	40,184	6,063	46,247
40 - 44	30,737	3,538	34,275
45 - 49	22,105	1,966	24,071
50 - 54	13,083	949	14,032
55 - 59	5,859	361	6,220
60 - 64	1,378	82	1,460
65+	383	21	405
<b>Nationals</b>	24,947	5,907	30,854
15 - 19	1,565	40	1,605
20 - 24	6,084	833	6,917
25 - 29	6,226	2,324	8,549
30 - 34	3,932	1,496	5,428
35 - 39	2,668	750	3,418
40 - 44	1,546	281	1,826
45 - 49	1,167	105	1,272
50 - 54	761	42	804
55 - 59	553	25	578
60 - 64	307	10	317
65+	139	1	140
<b>Non- Nationals</b>	209,815	36,971	246,786
15 - 19	924	749	1,673
20 - 24	18,302	7,641	25,943
25 - 29	40,190	9,235	49,425
30 - 34	43,811	7,579	51,390
35 - 39	37,516	5,313	42,829
40 - 44	29,191	3,258	32,449
45 - 49	20,938	1,861	22,799
50 - 54	12,321	907	13,228
55 - 59	5,306	336	5,642
60 - 64	1,070	73	1,143
65+	245	20	265

Source: Statistics Centre - Abu Dhabi

**5.1.13. Estimates of the Employed Population (15 years and over) by Age Group, Nationality and Gender - Western Region, Mid - 2008**

Age Group / Nationality	Males	Females	Total
<b>Grand Total</b>	<b>80,983</b>	<b>5,780</b>	<b>86,764</b>
15 - 19	335	119	453
20 - 24	6,801	1,074	7,874
25 - 29	15,518	1,328	16,846
30 - 34	17,649	1,289	18,938
35 - 39	15,198	894	16,092
40 - 44	11,314	541	11,855
45 - 49	7,858	339	8,197
50 - 54	4,161	149	4,310
55 - 59	1,812	43	1,855
60 - 64	274	-	274
65+	64	5	70
<b>Nationals</b>	<b>4,517</b>	<b>510</b>	<b>5,027</b>
15 - 19	131	2	133
20 - 24	1,109	108	1,218
25 - 29	1,186	186	1,372
30 - 34	622	111	733
35 - 39	513	57	570
40 - 44	384	26	410
45 - 49	235	10	245
50 - 54	163	5	168
55 - 59	115	4	119
60 - 64	36	-	36
65+	22	-	22
<b>Non- Nationals</b>	<b>76,466</b>	<b>5,271</b>	<b>81,737</b>
15 - 19	204	116	320
20 - 24	5,692	965	6,657
25 - 29	14,332	1,142	15,474
30 - 34	17,027	1,178	18,205
35 - 39	14,685	836	15,522
40 - 44	10,930	515	11,445
45 - 49	7,623	329	7,952
50 - 54	3,997	144	4,141
55 - 59	1,697	40	1,736
60 - 64	238	-	238
65+	42	5	47

Source: Statistics Centre - Abu Dhabi

**5.1.14. Estimates of the Employed Population (15 years and over) by Age Group, Nationality and Gender - Abu Dhabi Islands, 2008**

Age Group / Nationality	Males	Females	Total
<b>Grand Total</b>	10,399	477	10,877
15 - 19	61	19	80
20 - 24	1,052	96	1,148
25 - 29	1,745	121	1,866
30 - 34	1,816	80	1,896
35 - 39	1,505	71	1,576
40 - 44	1,328	34	1,362
45 - 49	1,378	37	1,414
50 - 54	945	17	962
55 - 59	485	1	487
60 - 64	71	1	72
65+	13	-	13
<b>Nationals</b>	909	69	977
15 - 19	38	2	40
20 - 24	209	26	235
25 - 29	248	24	272
30 - 34	154	9	163
35 - 39	70	4	74
40 - 44	55	-	55
45 - 49	58	2	61
50 - 54	34	-	34
55 - 59	29	-	29
60 - 64	8	1	9
65+	6	-	6
<b>Non- Nationals</b>	9,491	409	9,899
15 - 19	23	17	40
20 - 24	843	70	913
25 - 29	1,497	98	1,594
30 - 34	1,662	71	1,733
35 - 39	1,435	67	1,502
40 - 44	1,273	34	1,307
45 - 49	1,319	34	1,354
50 - 54	912	17	928
55 - 59	456	1	458
60 - 64	63	-	63
65+	8	-	8

Source: Statistics Centre - Abu Dhabi



**5.1.15. Percentage of the Employed Population ( 15 years and Over) by Age Group, Nationality and Gender, 2008**

Age Group / Nationality	Males	Females	Total
<b>Grand Total</b>	100.0	100.0	100.0
15 - 19	0.7	1.6	0.8
20 - 24	9.6	17.4	10.8
25 - 29	19.1	26.0	20.2
30 - 34	20.4	21.6	20.6
35 - 39	17.2	14.8	16.9
40 - 44	13.3	9.1	12.7
45 - 49	9.8	5.4	9.1
50 - 54	6.1	2.8	5.6
55 - 59	2.8	1.0	2.5
60 - 64	0.7	0.2	0.6
65+	0.2	0.1	0.2
<b>Nationals</b>	100.0	100.0	100.0
15 - 19	3.9	0.8	3.2
20 - 24	21.6	15.8	20.4
25 - 29	24.6	37.1	27.2
30 - 34	16.8	23.7	18.2
35 - 39	12.1	13.0	12.3
40 - 44	7.7	5.6	7.3
45 - 49	5.4	2.5	4.8
50 - 54	3.6	0.8	3.0
55 - 59	2.4	0.5	2.0
60 - 64	1.2	0.2	1.0
65+	0.6	0.1	0.5
<b>Non- Nationals</b>	100.0	100.0	100.0
15 - 19	0.4	1.7	0.6
20 - 24	8.4	17.7	9.8
25 - 29	18.5	24.3	19.4
30 - 34	20.8	21.2	20.9
35 - 39	17.8	15.1	17.4
40 - 44	13.9	9.7	13.2
45 - 49	10.2	5.8	9.6
50 - 54	6.3	3.1	5.8
55 - 59	2.9	1.1	2.6
60 - 64	0.7	0.2	0.6
65+	0.2	0.1	0.2

Source: Statistics Centre - Abu Dhabi

**5.1.16. Percentage of the Employed Population ( 15 years and Over) by Age Group, Nationality and Gender - Abu Dhabi Region, 2008**

Age Group / Nationality	Males	Females	Total
<b>Grand Total</b>	100.0	100.0	100.0
15 - 19	0.5	1.4	0.7
20 - 24	9.4	16.2	10.6
25 - 29	18.8	25.7	20.0
30 - 34	20.3	21.7	20.6
35 - 39	17.1	15.1	16.8
40 - 44	13.3	9.6	12.7
45 - 49	9.9	5.7	9.2
50 - 54	6.5	3.2	5.9
55 - 59	3.1	1.1	2.7
60 - 64	0.8	0.3	0.7
65+	0.3	0.1	0.3
<b>Nationals</b>	100.0	100.0	100.0
15 - 19	2.4	0.9	2.0
20 - 24	19.4	16.3	18.6
25 - 29	24.1	36.0	26.9
30 - 34	17.8	23.0	19.1
35 - 39	13.2	13.3	13.2
40 - 44	8.7	6.0	8.1
45 - 49	6.0	2.8	5.2
50 - 54	4.0	0.9	3.2
55 - 59	2.5	0.5	2.1
60 - 64	1.2	0.1	1.0
65+	0.7	0.1	0.5
<b>Non-Nationals</b>	100.0	100.0	100.0
15 - 19	0.4	1.5	0.5
20 - 24	8.4	16.2	9.7
25 - 29	18.2	24.1	19.2
30 - 34	20.6	21.6	20.7
35 - 39	17.5	15.4	17.1
40 - 44	13.7	10.1	13.1
45 - 49	10.3	6.1	9.6
50 - 54	6.7	3.5	6.2
55 - 59	3.1	1.2	2.8
60 - 64	0.8	0.3	0.7
65+	0.3	0.1	0.2

Source: Statistics Centre - Abu Dhabi

**5.1.17. Percentage of the Employed Population ( 15 years and Over) by Age Group, Nationality and Gender - Al Ain Region, 2008**

Age Group / Nationality	Males	Females	Total
<b>Grand Total</b>	100.0	100.0	100.0
15 - 19	1.1	1.8	1.2
20 - 24	10.4	19.8	11.8
25 - 29	19.8	27.0	20.9
30 - 34	20.3	21.2	20.5
35 - 39	17.1	14.1	16.7
40 - 44	13.1	8.3	12.3
45 - 49	9.4	4.6	8.7
50 - 54	5.6	2.2	5.1
55 - 59	2.5	0.8	2.2
60 - 64	0.6	0.2	0.5
65+	0.2	0.0	0.1
<b>Nationals</b>	100.0	100.0	100.0
15 - 19	6.3	0.7	5.2
20 - 24	24.4	14.1	22.4
25 - 29	25.0	39.3	27.7
30 - 34	15.8	25.3	17.6
35 - 39	10.7	12.7	11.1
40 - 44	6.2	4.8	5.9
45 - 49	4.7	1.8	4.1
50 - 54	3.1	0.7	2.6
55 - 59	2.2	0.4	1.9
60 - 64	1.2	0.2	1.0
65+	0.6	0.0	0.5
<b>Non- Nationals</b>	100.0	100.0	100.0
15 - 19	0.4	2.0	0.7
20 - 24	8.7	20.7	10.5
25 - 29	19.2	25.0	20.0
30 - 34	20.9	20.5	20.8
35 - 39	17.9	14.4	17.4
40 - 44	13.9	8.8	13.1
45 - 49	10.0	5.0	9.2
50 - 54	5.9	2.5	5.4
55 - 59	2.5	0.9	2.3
60 - 64	0.5	0.2	0.5
65+	0.1	0.1	0.1

Source: Statistics Centre - Abu Dhabi

**5.1.18. Percentage of the Employed Population ( 15 years and Over) by Age Group, Nationality and Gender - Western Region, 2008**

Age Group / Nationality	Males	Females	Total
<b>Grand Total</b>	100.0	100.0	100.0
15 - 19	0.4	2.1	0.5
20 - 24	8.4	18.6	9.1
25 - 29	19.2	23.0	19.4
30 - 34	21.8	22.3	21.8
35 - 39	18.8	15.5	18.5
40 - 44	14.0	9.4	13.7
45 - 49	9.7	5.9	9.4
50 - 54	5.1	2.6	5.0
55 - 59	2.2	0.7	2.1
60 - 64	0.3	0.0	0.3
65+	0.1	0.1	0.1
<b>Nationals</b>	100.0	100.0	100.0
15 - 19	2.9	0.5	2.7
20 - 24	24.6	21.3	24.2
25 - 29	26.3	36.4	27.3
30 - 34	13.8	21.8	14.6
35 - 39	11.3	11.2	11.3
40 - 44	8.5	5.1	8.2
45 - 49	5.2	2.0	4.9
50 - 54	3.6	1.0	3.3
55 - 59	2.6	0.7	2.4
60 - 64	0.8	0.0	0.7
65+	0.5	0.0	0.4
<b>Non- Nationals</b>	100.0	100.0	100.0
15 - 19	0.3	2.2	0.4
20 - 24	7.4	18.3	8.1
25 - 29	18.7	21.7	18.9
30 - 34	22.3	22.4	22.3
35 - 39	19.2	15.9	19.0
40 - 44	14.3	9.8	14.0
45 - 49	10.0	6.2	9.7
50 - 54	5.2	2.7	5.1
55 - 59	2.2	0.7	2.1
60 - 64	0.3	0.0	0.3
65+	0.1	0.1	0.1

Source: Statistics Centre - Abu Dhabi

**5.1.19. Percentage of the Employed Population ( 15 years and Over) by Age Group, Nationality and Gender - Abu Dhabi Islands, 2008**

Age Group / Nationality	Males	Females	Total
<b>Grand Total</b>	100.0	100.0	100.0
15 - 19	0.6	4.0	0.7
20 - 24	10.1	20.1	10.6
25 - 29	16.8	25.4	17.2
30 - 34	17.5	16.7	17.4
35 - 39	14.5	14.9	14.5
40 - 44	12.8	7.2	12.5
45 - 49	13.2	7.7	13.0
50 - 54	9.1	3.5	8.8
55 - 59	4.7	0.3	4.5
60 - 64	0.7	0.3	0.7
65+	0.1	0.0	0.1
<b>Nationals</b>	100.0	100.0	100.0
15 - 19	4.2	3.6	4.1
20 - 24	23.0	38.2	24.1
25 - 29	27.3	34.5	27.8
30 - 34	17.0	12.7	16.7
35 - 39	7.7	5.5	7.6
40 - 44	6.0	0.0	5.6
45 - 49	6.4	3.6	6.2
50 - 54	3.7	0.0	3.4
55 - 59	3.2	0.0	3.0
60 - 64	0.9	1.8	0.9
65+	0.6	0.0	0.6
<b>Non- Nationals</b>	100.0	100.0	100.0
15 - 19	0.2	4.0	0.4
20 - 24	8.9	17.1	9.2
25 - 29	15.8	23.9	16.1
30 - 34	17.5	17.4	17.5
35 - 39	15.1	16.5	15.2
40 - 44	13.4	8.4	13.2
45 - 49	13.9	8.4	13.7
50 - 54	9.6	4.0	9.4
55 - 59	4.8	0.3	4.6
60 - 64	0.7	0.0	0.6
65+	0.1	0.0	0.1

Source: Statistics Centre - Abu Dhabi

## **5.2. Occupational Structure**

The distribution of the employed population by the main occupation shows that the occupational category accounting for largest portion is that of elementary occupations (22.7%), followed by workers in services, shop and market sales workers (19.5%), craft and related trades workers (16.9%), specialists in scientific fields (11.7%), and other occupational categories in smaller percentages.

This 2008 pattern of the total employed population by the main occupation is identical to that of non-nationals.

However, for nationals, the corresponding pattern is somewhat different since the occupational category accounting for largest proportion of the employed population relates to technicians and associated professionals (28.8%), followed by workers in services, shop and market sales workers (24.7%), specialists in scientific fields (18.6%), and by other occupational categories in considerably smaller percentages.

**5.2.1. Estimated Employed Population (15 years and over) by Main Occupation and Gender, Mid - 2008**

Main Occupation	Male	Female	Total
Total	751,633	137,785	889,418
Legislators, Senior Officials and Managers	26,418	2,969	29,387
Specialists In Scientific fields	75,372	28,686	104,058
Technicians and Associate Professionals	63,431	17,583	81,014
Clerks	23,735	7,009	30,744
Services Workers, Shop and Market Sales Workers	98,274	75,106	173,380
Skilled Agriculture and Fishery Workers	30,595	83	30,678
Craft and Related Trades workers	149,144	1,035	150,179
Plant and Machine Operators and Assemblers	81,320	854	82,174
Elementary Occupation	197,388	4,096	201,484
Not Stated	5,956	364	6,320

Source: Statistics Centre - Abu Dhabi

**5.2.2. Percentage Distribution of Estimated Employed Population (15 years and over) by Main Occupation and Gender, 2008**

Main Occupation	Male	Female	Total
Total	100	100	100
Legislators, Senior Officials and Managers	3.5	2.2	3.3
Specialists In Scientific fields	10.0	20.8	11.7
Technicians and Associate Professionals	8.4	12.8	9.1
Clerks	3.2	5.1	3.5
Services Workers, Shop and Market Sales Workers	13.1	54.5	19.5
Skilled Agriculture and Fishery Workers	4.1	0.1	3.4
Craft and Related Trades workers	19.8	0.8	16.9
Plant and Machine Operators and Assemblers	10.8	0.6	9.2
Elementary Occupation	26.3	3.0	22.7
Not Stated	0.8	0.3	0.7

Source: Statistics Centre - Abu Dhabi

**5.2.3. Estimated Employed Nationals (15 years and over) by Main Occupation and Gender, Mid - 2008**

Main Occupation	Male	Female	Total
Total	68,073	18,199	86,272
Legislators, Senior Officials and Managers	7,300	1,077	8,377
Specialists In Scientific fields	8,743	7,289	16,032
Technicians and Associate Professionals	19,733	5,096	24,829
Clerks	5,870	2,702	8,572
Services Workers, Shop and Market Sales Workers	19,726	1,547	21,273
Skilled Agriculture and Fishery Workers	397	9	406
Craft and Related Trades workers	1,591	118	1,709
Plant and Machine Operators and Assemblers	2,155	53	2,208
Elementary Occupation	1,868	166	2,034
Not Stated	690	142	832

Source: Statistics Centre - Abu Dhabi

**5.2.4. Percentage Distribution of Estimated Employed Nationals (15 years and over) by Main Occupation and Gender, 2008**

Main Occupation	Male	Female	Total
Total	100	100	100
Legislators, Senior Officials and Managers	10.7	5.9	9.7
Specialists In Scientific fields	12.8	40.1	18.6
Technicians and Associate Professionals	29.0	28.0	28.8
Clerks	8.6	14.8	9.9
Services Workers, Shop and Market Sales Workers	29.0	8.5	24.7
Skilled Agriculture and Fishery Workers	0.6	0.0	0.5
Craft and Related Trades workers	2.3	0.6	2.0
Plant and Machine Operators and Assemblers	3.2	0.3	2.6
Elementary Occupation	2.7	0.9	2.4
Not Stated	1.0	0.8	1.0

Source: Statistics Centre - Abu Dhabi



**5.2.5. Estimated Employed Non-Nationals (15 years and over) by Main Occupation and Gender, Mid - 2008**

Main Occupation	Male	Female	Total
Total	683,559	119,587	803,146
Legislators, Senior Officials and Managers	19,118	1,892	21,010
Specialists In Scientific fields	66,629	21,397	88,026
Technicians and Associate Professionals	43,698	12,487	56,185
Clerks	17,865	4,307	22,172
Services Workers, Shop and Market Sales Workers	78,547	73,559	152,106
Skilled Agriculture and Fishery Workers	30,198	74	30,272
Craft and Related Trades workers	147,553	917	148,470
Plant and Machine Operators and Assemblers	79,165	802	79,967
Elementary Occupation	195,520	3,930	199,450
Not Stated	5,266	222	5,488

Source: Statistics Centre - Abu Dhabi

**5.2.6. Percentage Distribution of Estimated Employed Non-Nationals (15 years and over) by Main Occupation and Gender, 2008**

Main Occupation	Male	Female	Total
Total	100.0	100.0	100.0
Legislators, Senior Officials and Managers	2.8	1.6	2.6
Specialists In Scientific fields	9.7	17.9	11.0
Technicians and Associate Professionals	6.4	10.4	7.0
Clerks	2.6	3.6	2.8
Services Workers, Shop and Market Sales Workers	11.5	61.5	18.9
Skilled Agriculture and Fishery Workers	4.4	0.1	3.8
Craft and Related Trades workers	21.6	0.8	18.5
Plant and Machine Operators and Assemblers	11.6	0.7	10.0
Elementary Occupation	28.6	3.3	24.8
Not Stated	0.8	0.2	0.7

Source: Statistics Centre - Abu Dhabi

### 5.3. Unemployment

The estimated unemployed population increased from 28,573 people in 2005 to 29,881 in 2008, with 33.6% nationals and 27.3% female. The largest portion of the unemployed (24.5%) falls within the age group 20-24 years. This finding applies to both nationals and non-nationals, males and females.

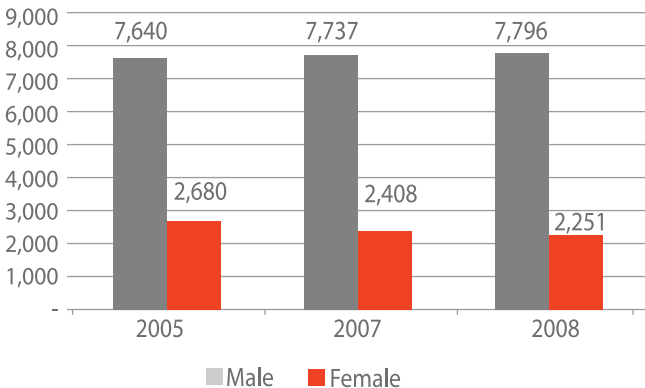
Regarding the educational structure of the unemployed, the largest proportion of those have secondary school certificates (31.1%), followed by holders of university degrees (25.8%) those with preparatory education (12.5%) and other educational categories at smaller percentages. The 2008 unemployment rates among nationals, non-nationals and the total labour force were 10.43%, 2.41% and 3.25% respectively.

#### 5.3.1. The Unemployed Population by Nationality and Gender

Nationality/Gender	2005	2007	2008
<b>Total</b>	28,573	29,332	29,881
<b>National</b>	10,320	10,145	10,047
Male	7,640	7,737	7,796
Female	2,680	2,408	2,251
<b>Non-National</b>	18,253	19,187	19,834
Male	11,954	13,126	13,921
Female	6,299	6,061	5,913

Source: Statistics Centre - Abu Dhabi

Figure 5.3.1 Unemployed Nationals by Gender (2005-2008)



**5.3.2. Estimates of Total Unemployed (15 years and over) by Age Group, Nationality and Gender, Mid-2008**

Age Group / Nationality	Males	Females	Total
<b>Grand Total</b>	21,717	8,164	29,881
15 - 19	1,632	668	2,300
20 - 24	4,553	2,770	7,324
25 - 29	3,567	2,049	5,616
30 - 34	2,149	974	3,123
35 - 39	1,705	654	2,359
40 - 44	1,570	418	1,988
45 - 49	1,717	283	2,000
50 - 54	1,840	174	2,014
55 - 59	1,558	110	1,668
60 - 64	1,426	64	1,490
<b>Nationals</b>	7,796	2,251	10,047
15 - 19	436	122	558
20 - 24	1,138	948	2,086
25 - 29	833	721	1,553
30 - 34	484	197	680
35 - 39	474	118	593
40 - 44	624	63	687
45 - 49	923	34	958
50 - 54	1,071	27	1,098
55 - 59	960	13	973
60 - 64	852	8	860
<b>Non- Nationals</b>	13,921	5,913	19,834
15 - 19	1,196	546	1,742
20 - 24	3,416	1,822	5,238
25 - 29	2,734	1,328	4,063
30 - 34	1,665	777	2,443
35 - 39	1,231	535	1,766
40 - 44	946	355	1,300
45 - 49	793	249	1,042
50 - 54	769	147	916
55 - 59	597	98	695
60 - 64	574	55	630

Source: Statistics Centre - Abu Dhabi

**5.3.3. Estimates of Unemployed (15 years and over) by Age Group, Nationality and Gender - Abu Dhabi Region, Mid-2008**

Age Group / Nationality	Males	Females	Total
<b>Grand Total</b>	12,298	5,526	17,824
15 - 19	811	395	1,206
20 - 24	2,681	1,686	4,367
25 - 29	2,120	1,293	3,413
30 - 34	1,331	754	2,085
35 - 39	973	515	1,488
40 - 44	857	356	1,213
45 - 49	967	237	1,204
50 - 54	948	154	1,102
55 - 59	838	86	924
60 - 64	773	48	821
<b>Nationals</b>	4,052	1,042	5,094
15 - 19	212	65	277
20 - 24	607	413	1,020
25 - 29	448	275	723
30 - 34	257	107	364
35 - 39	235	68	303
40 - 44	300	52	352
45 - 49	491	26	517
50 - 54	545	21	566
55 - 59	517	9	527
60 - 64	440	5	445
<b>Non- Nationals</b>	8,246	4,484	12,730
15 - 19	599	330	929
20 - 24	2,074	1,273	3,347
25 - 29	1,672	1,018	2,690
30 - 34	1,074	648	1,721
35 - 39	738	447	1,185
40 - 44	557	304	861
45 - 49	476	211	688
50 - 54	403	133	536
55 - 59	320	77	397
60 - 64	333	43	376

Source: Statistics Centre - Abu Dhabi

**5.3.4. Estimates of Unemployed (15 years and over) by Age Group, Nationality and Gender - Al-Ain Region, Mid-2008**

Age Group / Nationality	Males	Females	Total
<b>Grand Total</b>	8,323	2,429	10,752
15 - 19	745	243	987
20 - 24	1,642	989	2,631
25 - 29	1,291	702	1,992
30 - 34	707	204	911
35 - 39	600	129	729
40 - 44	595	57	652
45 - 49	640	46	686
50 - 54	821	20	840
55 - 59	678	24	702
60 - 64	606	16	621
<b>Nationals</b>	3,330	1,100	4,430
15 - 19	187	43	230
20 - 24	415	483	898
25 - 29	336	412	747
30 - 34	197	84	281
35 - 39	218	48	266
40 - 44	297	10	307
45 - 49	399	8	407
50 - 54	490	6	496
55 - 59	412	3	416
60 - 64	379	3	382
<b>Non- Nationals</b>	4,994	1,328	6,322
15 - 19	558	200	758
20 - 24	1,226	506	1,732
25 - 29	955	290	1,245
30 - 34	510	120	630
35 - 39	382	81	463
40 - 44	298	47	345
45 - 49	241	38	279
50 - 54	331	14	345
55 - 59	266	21	286
60 - 64	227	12	239

Source: Statistics Centre - Abu Dhabi

**5.3.5. Estimates of Unemployed (15 years and over) by Age Group, Nationality and Gender - Western Region, Mid-2008**

Age Group / Nationality	Males	Females	Total
<b>Grand Total</b>	1,044	187	1,231
15 - 19	72	28	100
20 - 24	222	83	305
25 - 29	153	49	202
30 - 34	109	13	122
35 - 39	123	10	133
40 - 44	107	5	111
45 - 49	106	0	106
50 - 54	65	0	65
55 - 59	41	0	41
60 - 64	45	0	45
<b>Nationals</b>	395	92	486
15 - 19	33	13	45
20 - 24	109	39	149
25 - 29	48	31	79
30 - 34	29	5	34
35 - 39	21	3	24
40 - 44	27	1	27
45 - 49	34	0	34
50 - 54	32	0	32
55 - 59	31	0	31
60 - 64	33	0	33
<b>Non- Nationals</b>	649	96	744
15 - 19	40	15	55
20 - 24	113	43	156
25 - 29	105	18	123
30 - 34	80	8	89
35 - 39	101	8	109
40 - 44	80	4	84
45 - 49	72	0	72
50 - 54	34	0	34
55 - 59	10	0	10
60 - 64	13	0	13

Source: Statistics Centre - Abu Dhabi

**5.3.6. Estimates of Unemployed (15 years and over) by Age Group, Nationality and Gender -Abu Dhabi Islands, Mid-2008**

Age Group / Nationality	Males	Females	Total
<b>Grand Total</b>	52	22	74
15 - 19	4	3	7
20 - 24	8	13	21
25 - 29	3	5	9
30 - 34	2	2	4
35 - 39	9	0	9
40 - 44	12	0	12
45 - 49	3	0	3
50 - 54	6	0	6
55 - 59	1	0	1
60 - 64	2	0	2
<b>Nationals</b>	19	18	37
15 - 19	4	2	6
20 - 24	6	13	19
25 - 29	1	3	4
30 - 34	1	1	2
35 - 39	0	0	0
40 - 44	1	0	1
45 - 49	0	0	0
50 - 54	5	0	5
55 - 59	0	0	0
60 - 64	1	0	1
<b>Non- Nationals</b>	33	5	37
15 - 19	0	1	1
20 - 24	2	0	2
25 - 29	2	3	5
30 - 34	1	1	2
35 - 39	9	0	9
40 - 44	10	0	10
45 - 49	3	0	3
50 - 54	1	0	1
55 - 59	1	0	1
60 - 64	1	0	1

Source: Statistics Centre - Abu Dhabi

**5.3.7. Estimated Unemployed Population ( 15 years and over) by Educational Status and Gender, Mid-2008**

Educational Status	Male	Female	Total
Total	21,718	8,164	29,882
Illiterate	1,246	560	1,806
Read and Write	1,421	686	2,107
Primary	1,650	559	2,209
Preparatory	2,789	940	3,729
Secondary	6,716	2,575	9,291
Non - Degree Post Secondary Diploma	1,595	599	2,194
University	5,648	2,069	7,717
Higher Diploma	205	63	268
Master	370	83	453
Ph.D.	78	30	108

Source: Statistics Centre - Abu Dhabi

**5.3.8 Percentage Distribution of the Unemployed Population ( 15 years and over) by Educational Status and Gender, 2008**

Educational Status	Male	Female	Total
Total (%)	100	100	100
Illiterate	5.7	6.9	6.0
Read and Write	6.5	8.4	7.1
Primary	7.6	6.8	7.4
Preparatory	12.8	11.5	12.5
Secondary	30.9	31.5	31.1
Non - Degree Post Secondary Diploma	7.3	7.3	7.3
University	26.0	25.3	25.8
Higher Diploma	0.9	0.8	0.9
Master	1.7	1.0	1.5
Ph.D.	0.4	0.4	0.4

Source: Statistics Centre - Abu Dhabi



**5.3.9. Estimated Unemployed Nationals ( 15 years and over) by Educational Status and Gender, Mid-2008**

Educational Status	Male	Female	Total
Total	7,796	2,250	10,046
Illiterate	896	24	920
Read and Write	1,086	14	1,100
Primary	1,260	52	1,312
Preparatory	1,772	137	1,909
Secondary	1,955	741	2,696
Non - Degree Post Secondary Diploma	186	273	459
University	534	974	1,508
Higher Diploma	32	25	57
Master	63	8	71
Ph.D.	12	2	14

Source: Statistics Centre - Abu Dhabi

**5.3.10. Percentage Distribution of Unemployed Nationals ( 15 years and over) by Educational Status and Gender, 2008**

Educational Status	Male	Female	Total
Total(%)	100	100	100
Illiterate	11.5	1.1	9.2
Read and Write	13.9	0.6	10.9
Primary	16.2	2.3	13.1
Preparatory	22.7	6.1	19.0
Secondary	25.1	32.9	26.8
Non - Degree Post Secondary Diploma	2.4	12.1	4.6
University	6.8	43.3	15.0
Higher Diploma	0.4	1.1	0.6
Master	0.8	0.4	0.7
Ph.D.	0.2	0.1	0.1

Source: Statistics Centre - Abu Dhabi

**5.3.11. Estimated Unemployed Non- Nationals ( 15 years and over) by Educational Status and Gender, Mid-2008**

Educational Status	Male	Female	Total
Total	13,921	5,913	19,834
Illiterate	351	536	887
Read and Write	335	672	1,007
Primary	390	507	897
Preparatory	1,016	803	1,819
Secondary	4,761	1,834	6,595
Non - Degree Post Secondary Diploma	1,409	326	1,735
University	5,114	1,095	6,209
Higher Diploma	173	38	211
Master	306	74	380
Ph.D.	66	28	94

Source: Statistics Centre - Abu Dhabi

**5.3.12. Percentage Distribution of Unemployed Non - Nationals ( 15 years and over) by Educational Status and Gender, 2008**

Educational Status	Male	Female	Total
Total(%)	100	100	100
Illiterate	2.5	9.1	4.5
Read and Write	2.4	11.4	5.1
Primary	2.8	8.6	4.5
Preparatory	7.3	13.6	9.2
Secondary	34.2	31.0	33.3
Non - Degree Post Secondary Diploma	10.1	5.5	8.7
University	36.7	18.5	31.3
Higher Diploma	1.2	0.6	1.1
Master	2.2	1.3	1.9
Ph.D.	0.5	0.5	0.5

Source: Statistics Centre - Abu Dhabi

## 5.4. Employment by Economic Activity

The 2008 distribution of employed people by economic activity shows that the economic activity category accounting for largest proportion of the employed population was the construction activity (19.9%), followed by public administration and defence (13%), agriculture, hunting and forestry (11.3%) and other economic activity categories in smaller percentages. This pattern is very similar to that of non-nationals, while the corresponding pattern for nationals is somewhat different, with six out of every ten of employed nationals working in public administration and defence.

### 5.4.1. Estimated Employed Population ( 15 years and over) by Economic Activity and Gender, Mid-2008

Economic Activity	Male	Female	Total
Total	751,632	137,785	889,417
Agriculture, Hunting and Forestry	100,114	251	100,365
Fishing	826	3	828
Mining and Quarrying	35,165	1,660	36,825
Manufacturing	49,550	1,611	51,161
Electricity, Gas and Water Supply	13,234	850	14,085
Construction	174,882	1,903	176,785
Wholesale and Retail Trade, Repair of Motor Vehicles	76,786	6,712	83,497
Hotels and Restaurant	28,887	4,398	33,285
Transport, storage and Communication	39,745	3,197	42,943
Financial Intermediation	9,706	3,168	12,875
Real Estate, Renting and Business Activities	38,127	4,247	42,374
Public Administration and Defense	106,027	9,690	115,717
Education	13,833	17,867	31,700
Health and Social Work	11,387	12,389	23,775
Other Community, Social and Personal Service Activities	16,452	2,623	19,075
Activities of Private Households as Employers and Undifferentiated Production Activities of Private Households	33,471	66,671	100,142
Extraterritorial organizations and Bodies	1,180	439	1,619
Not stated	2,261	105	2,366

Source: Statistics Centre - Abu Dhabi

**5.4.2. Percentage Distribution of the Employed Population ( 15 years and over) by Economic Activity and Gender, 2008**

Economic Activity	Male	Female	Total
Total (%)	100.00	100.00	100.00
Agriculture, Hunting and Forestry	13.32	0.18	11.28
Fishing	0.11	0.00	0.09
Mining and Quarrying	4.68	1.20	4.14
Manufacturing	6.59	1.17	5.75
Electricity, Gas and Water Supply	1.76	0.62	1.58
Construction	23.27	1.38	19.88
Wholesale and Retail Trade, Repair of Motor Vehicles	10.22	4.87	9.39
Hotels and Restaurant	3.84	3.19	3.74
Transport, storage and Communication	5.29	2.32	4.83
Financial Intermediation	1.29	2.30	1.45
Real Estate, Renting and Business Activities	5.07	3.08	4.76
Public Administration and Defense	14.11	7.03	13.01
Education	1.84	12.97	3.56
Health and Social Work	1.51	8.99	2.67
Other Community, Social and Personal Service Activities	2.19	1.90	2.14
Activities of Private Households as Employers and Undifferentiated Production Activities of Private Households	4.45	48.39	11.26
Extraterritorial organizations and Bodies	0.16	0.32	0.18
Not stated	0.30	0.08	0.27

Source: Statistics Centre - Abu Dhabi

**5.4.3. Estimated Employed Nationals ( 15 years and over) by Economic Activity and Gender, Mid-2008**

Economic Activity	Male	Female	Total
Total	68,074	18,198	86,272
Agriculture, Hunting and Forestry	676	64	740
Fishing	45	-	45
Mining and Quarrying	4,328	649	4,978
Manufacturing	1,648	339	1,987
Electricity, Gas and Water Supply	2,090	610	2,700
Construction	587	65	652
Wholesale and Retail Trade, Repair of Motor Vehicles	2,334	285	2,619
Hotels and Restaurant	96	21	117
Transport, storage and Communication	2,862	718	3,580
Financial Intermediation	1,254	913	2,167
Real Estate, Renting and Business Activities	1,321	349	1,670
Public Administration and Defense	47,690	7,064	54,754
Education	1,103	4,935	6,038
Health and Social Work	837	1,473	2,310
Other Community, Social and Personal Service Activities	856	471	1,327
Activities of Private Households as Employers and Undifferentiated Production Activities of Private Households	200	206	406
Extraterritorial organizations and Bodies	6	9	14
Not stated	141	29	169

Source: Statistics Centre - Abu Dhabi

**5.4.4. Percentage Distribution of Employed Nationals ( 15 years and over) by Economic Activity and Gender, 2008**

Economic Activity	Male	Female	Total
Total (%)	100	100	100
Agriculture, Hunting and Forestry	0.99	0.35	0.86
Fishing	0.07	0.00	0.05
Mining and Quarrying	6.36	3.57	5.77
Manufacturing	2.42	1.86	2.30
Electricity, Gas and Water Supply	3.07	3.35	3.13
Construction	0.86	0.36	0.76
Wholesale and Retail Trade, Repair of Motor Vehicles	3.43	1.57	3.04
Hotels and Restaurant	0.14	0.12	0.14
Transport, storage and Communication	4.20	3.94	4.15
Financial Intermediation	1.84	5.02	2.51
Real Estate, Renting and Business Activities	1.94	1.92	1.94
Public Administration and Defense	70.06	38.82	63.47
Education	1.62	27.12	7.00
Health and Social Work	1.23	8.09	2.68
Other Community, Social and Personal Service Activities	1.26	2.59	1.54
Activities of Private Households as Employers and Undifferentiated Production Activities of Private Households	0.29	1.13	0.47
Extraterritorial organizations and Bodies	0.01	0.05	0.02
Not stated	0.21	0.16	0.20

Source: Statistics Centre - Abu Dhabi

**5.4.5. Estimated Employed Non- Nationals ( 15 years and over) by Economic Activity and Gender, Mid-2008**

Economic Activity	Male	Female	Total
Total	683,558	119,587	803,145
Agriculture, Hunting and Forestry	99,438	188	99,625
Fishing	781	3	784
Mining and Quarrying	30,837	1,011	31,848
Manufacturing	47,901	1,272	49,174
Electricity, Gas and Water Supply	11,145	240	11,384
Construction	174,295	1,839	176,134
Wholesale and Retail Trade, Repair of Motor Vehicles	74,452	6,426	80,878
Hotels and Restaurant	28,791	4,377	33,168
Transport, storage and Communication	36,883	2,480	39,363
Financial Intermediation	8,453	2,255	10,708
Real Estate, Renting and Business Activities	36,806	3,898	40,704
Public Administration and Defense	58,337	2,626	60,963
Education	12,730	12,932	25,662
Health and Social Work	10,550	10,916	21,466
Other Community, Social and Personal Service Activities	15,596	2,152	17,748
Activities of Private Households as Employers and Undifferentiated Production Activities of Private Households	33,271	66,465	99,736
Extraterritorial organizations and Bodies	1,174	430	1,605
Not stated	2,120	76	2,197

Source: Statistics Centre - Abu Dhabi

**5.4.6. Percentage Distribution of Employed Non- Nationals ( 15 years and over) by Economic Activity and Gender, 2008**

Economic Activity	Male	Female	Total
Total (%)	100	100	100
Agriculture, Hunting and Forestry	14.55	0.16	12.40
Fishing	0.11	0.00	0.10
Mining and Quarrying	4.51	0.85	3.97
Manufacturing	7.01	1.06	6.12
Electricity, Gas and Water Supply	1.63	0.20	1.42
Construction	25.50	1.54	21.93
Wholesale and Retail Trade, Repair of Motor Vehicles	10.89	5.37	10.07
Hotels and Restaurant	4.21	3.66	4.13
Transport, storage and Communication	5.40	2.07	4.90
Financial Intermediation	1.24	1.89	1.33
Real Estate, Renting and Business Activities	5.38	3.26	5.07
Public Administration and Defense	8.53	2.20	7.59
Education	1.86	10.81	3.20
Health and Social Work	1.54	9.13	2.67
Other Community, Social and Personal Service Activities	2.28	1.80	2.21
Activities of Private Households as Employers and Undifferentiated Production Activities of Private Households	4.87	55.58	12.42
Extraterritorial organizations and Bodies	0.17	0.36	0.20
Not stated	0.31	0.06	0.27

Source: Statistics Centre - Abu Dhabi



## **6. Agriculture and Environment**

- Agriculture and Fisheries
- Environmental Resources

# Agriculture and Environment

Given the crucial importance of agriculture and the environment, statistical data and information on these sectors offer indispensable support to decision-making. Such data also gives insight into a wide range of economic activities and serves as a basis for projects aimed at developing and promoting sustainable agricultural sector to preserve the environment and contribute to enhancing food security for the Emirate of Abu Dhabi.

In spite of the daunting challenges facing this sector, such as the scarcity of water and high soil salinity, elevated temperatures and high humidity, sound agricultural policies and plans can prove very beneficial to the agricultural sector, not only in terms of the sector's output and its contribution to the economy, but in other ways as well, such as improving air quality, since the vegetation reduces airborne particulate matter by 40-80% and absorbs up to 70% of the toxic gases polluting the air, such as carbon monoxide (CO) and sulphur dioxide (SO<sub>2</sub>) as confirmed by relevant studies.

The Emirate of Abu Dhabi therefore seeks to provide reliable environmental statistics to help those interested gain insight into environmental conditions in the Emirate and explore ways to ensure sustainable development and preservation of the Emirate's natural resources. The statistics presented in this section include data on the climate, air, water, waste, occupational health and safety and food safety.

In 2009, the average minimum temperature in the Emirate of Abu Dhabi was 22.6°C, while average maximum temperature 33.7°C. Average annual rainfall was 81.8 mm in 2009, but no significant changes were observed in regard to average relative humidity and atmospheric pressure. Relative humidity ranged between a minimum of 33% and a maximum of 79.8%, while atmospheric pressure hovered around 1009.5 hectopascal.

Air quality indicators remained generally within their normal range in 2008. However, the readings obtained tend to vary according to the location of the monitoring sites. The contribution of Abu Dhabi City to the total generation and treatment of wastewater grew in 2009 by 4% over the figure for the previous year. About 4,892 tons of the Emirate's solid waste was transferred to designated disposal sites in 2008. Some 96% of the collected waste was disposed of at landfills. The Emirate of Abu Dhabi as a whole generated more than 13,000 tons of waste per day, i.e. about 5 million tons annually.

<b>Agriculture</b>	
Total Number of Holdings	24,097
Total Agriculture Area (donum)	737,957
Total Cultivated Area (donum)	655,406
Number of Poultry Farms	10
Chicken (tons)	13,228
Egg (000)	155,648
Modern Cattle Farms	15
Total Herd	16,279
Milking Cows	7,549
Milk Produced (Tons)	75,807
Number of Fishing Boats	1,100
Total Number of Fishermen	4,620
Fish Caught (Tons)	5,977
Exported Agricultural Goods (000 AED)	447,496
Re - Exported Agricultural Goods (000 AED)	91,690
<b>Environment</b>	
Average Minimum Temperature ( °c)	22.6
Average Minimum Relative Humidity (%)	33.0
Rainfall in Millimeters	81.8
Average Maximum Temperature(°c)	33.7
Average Maximum Relative Humidity (%)	79.8
Average Atmospheric Pressure (HPA)	1,009.5
Under Ground Water Consumption (million Gallons)	527,926
Desalinated Water Consumption (million Gallons)	173,782.58
Water Consumption Per Hectare (Gallons)	7,674,688.4
Quantity of Sewage Generated and Treated (MCM)	219.55
Total Non-conventional Water Resources (MCM)	937.76
Nationally Protected Areas (sq. km)	6,588
National Protected Areas (% of total land area)	5%

## **6.1. Agriculture and Fisheries**

The “agriculture and fisheries” activity is one of the key sectors of production and one of the major components of GDP, in addition to being the source of a wide range of food commodities and a supplier for the Emirate’s numerous food processing industries.

Agricultural statistics present data on the number and area of farms and indicators of the area under crops and the quantities and values of agricultural yield. During the reference period there were 24,097 agricultural holdings in the Emirate, with a total area of 737,957 donums. About 89% of area was put to various kinds of agricultural land use. The sheep and goats inventory in the Emirate of Abu Dhabi totalled about 2.3 million head. The bulk is concentrated in Al-Ain area, where 63% of the sheep and goats are raised. The camel inventory totalled 378,000 heads, 54% of which are in Al-Ain region. Cattle farms are more or less evenly spread over the Emirate’s regions

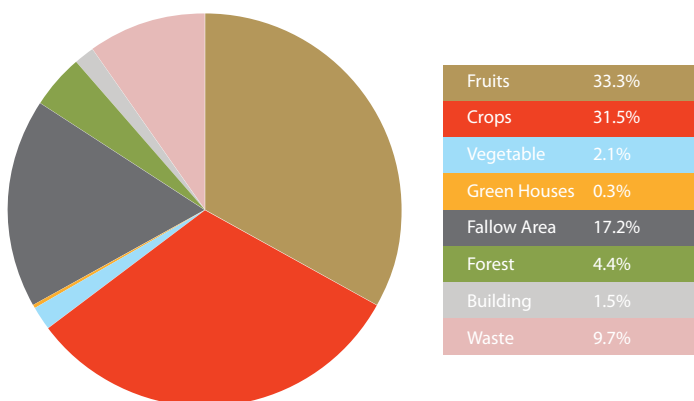
### 6.1.1 Number and Area of Farms by Type of Land Use, 2009

(Area in donums)

Description	Total	Abu Dhabi	Al Ain	Western Region
Number of Holdings	24,097	3,814	11,782	8,501
Area (donum)	737,957	94,380	436,656	206,921
<b>Cultivated Area:</b>				
Total	655,406	79,183	399,913	176,311
Fruits	245,693	27,727	161,832	56,134
Crops	232,141	29,470	139,046	63,625
Vegetable	15,543	4,393	4,259	6,891
Green Houses	2,555	87	1,443	1,025
Fallow	126,691	11,106	81,008	34,577
Forest	32784.3	6400	12325	14059.3
<b>Un- Cultivated Area:</b>				
Total	82,551	15,197	36,744	30,610
Buildings	11,103	2,650	6,789	1,664
Waste	71,448	12,547	29,955	28,946

Source: Abu Dhabi Food Control Authority

**Figure: 6.1.1 Area of Farms by Land Use, 2009**



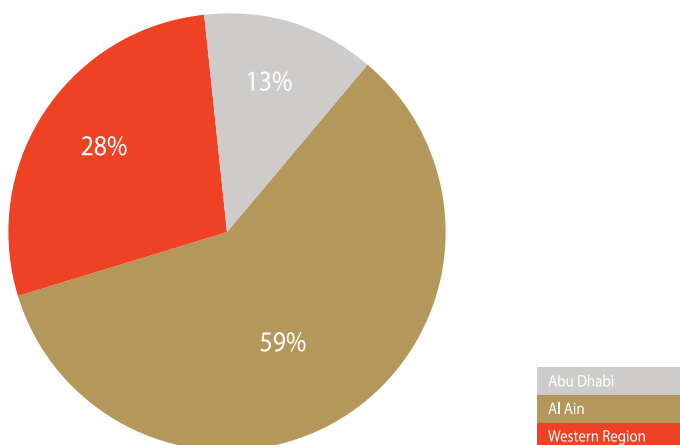
### 6.1.2. Number and Area of Farms by Region

(Area in donums)

Region	2005	2007	2008	2009
<b>Total</b>				
Number	23,704	23,198	24,015	24,097
Area	739,686	703,748	731,512	737,957
<b>Abu Dhabi</b>				
Number	4,793	4,072	3,854	3814
Area	111,452	98,314	97,045	94380
<b>Al Ain</b>				
Number	11,529	11,701	11,751	11782
Area	438,820	423,083	443,988	436656
<b>Western Region</b>				
Number	7,382	7,425	8,410	8501
Area	189,414	182,351	190,479	206921

Source: Abu Dhabi Food Control Authority

**Figure: 6.1.2. Percentage Distribution of Farms Area by Region, 2009**



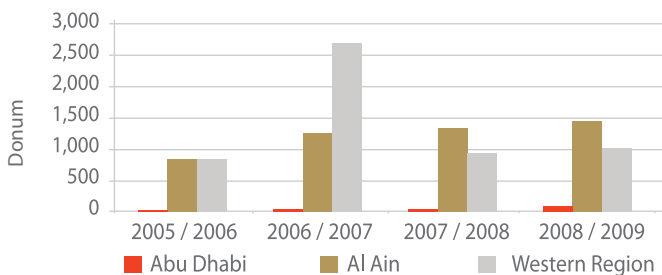
### 6.1.3. Number and Area of Greenhouses by Region

(Area in donums)

Region	2005/ 2006	2006/ 2007	2007/ 2008	2008/ 2009
<b>Total</b>				
Number	4,959	8,174	6,916	7,683
Area	1,569	3,975	2,322	2,554
<b>Abu Dhabi</b>				
Number	54	102	102	191
Area	22	46	46	87
<b>Al Ain</b>				
Number	2,629	3,216	3,948	4,313
Area	824	1,246	1,328	1,443
<b>Western Region</b>				
Number	2,276	4,856	2,866	3,179
Area	723	2,683	948	1,025

Source: Abu Dhabi Food Control Authority

**Figure 6.1.3 Area of Greenhouses by Region**





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

(Quantity in Tons, Value in 000 AED)

Product	2007/2008		2008/2009	
	Quantity	Value	Quantity	Value
Grand Total	1,300,888.40	2,134,308.30	1,246,187.66	2,056,748.80
Tomatoes	46,417.00	65,169.50	32,431.80	46,826.00
Pepper	352.10	708.50	383.80	1,255.60
Cucumber	326.10	649.50	211.20	420.30
Marrow	203.80	377.00	206.60	394.10
Watermelon	17.70	22.80	41.60	53.50
Sweet Melon	12.40	18.10	8.00	12.10
Onion	95.00	259.50	1,243.30	3,258.90
Cowpeas	3.30	16.00	0.20	1.10
Sweet Cucumber	0.00	0.00	0.30	0.40
Beans	208.40	1,402.50	309.30	1,534.30
Peas	24.70	123.50	3.69	18.50
Eggplant	657.90	642.50	96.10	91.60
G Rocket	2.00	0.80	0.19	0.10
Cauliflower	263.60	357.80	227.70	314.20
Broad Bean	28.30	140.50	17.30	85.20
Cabbage	2,260.90	1,959.20	1,285.30	1,277.70
Lettuce	9.50	14.30	0.90	1.40
Spinach	16.50	13.60	0.40	0.40
Jew Mallow	2.50	2.80	28.60	28.00
Coriander	2.00	2.10	0.88	0.80
Beets	128.40	112.90	44.20	39.70
Parsley	35.40	53.40	17.60	25.60
Potatoes	3.20	12.80	0.30	1.30
Corn	331.10	623.90	2,567.60	9,578.30
Turnip	44.20	49.50	91.50	109.80
Carrot	4.00	6.00	331.10	466.00
Grass/Hay (Livestock feed)	1,249,438	2,061,569	1,206,638	1,990,954

Source: Abu Dhabi Food Control Authority

### 6.1.5 Average Production of Crops and Fodder, 2009

Type	Agr.Products	Cultivated Area	Average Ton/Du.
Tomatoes	32,432.00	6,110	5.31
Pepper	383.80	560	0.69
Cucumber	211.20	853	0.25
Marrow	206.60	497	0.42
Watermelon	41.60	31	1.34
Sweet Melon	8.00	60	0.13
Onion	1,243.30	1,364	0.91
Sweet Cucumber	0.30	1	0.30
Eggplant	96.10	155	0.62
Cauliflower	227.70	247	0.92
Broad Bean	17.30	23	0.75
Cabbage	1,285.30	856	1.50
Jew Mallow	28.60	40	0.72
Beets	44.20	51	0.87
Potatoes	0.30	7	0.04
Corn	2,567.60	445	5.77
Turnip	91.50	55	1.66
Carrot	331.10	246	1.35
Legumes	313.20	778	0.40
Leaf Crops	20.00	97	0.21
Grass/Hay (Livestock feed)	1,206,638	232,143	5.20

Source: Abu Dhabi Food Control Authority

### 6.1.6 Agricultural Producers Price Indices

(2005 = 100)

Crop	2006	2007	2008	2009
All Products	101.69	101.95	95.21	104.80
Tomatoes	93.87	100.04	95.24	97.35
Pepper	87.10	113.90	74.83	115.26
Cucumber	100.40	99.72	101.82	100.93
Marrow	100.39	105.48	100.22	98.45
Sweet Cucumber	0.00	0.00	0.00	89.15
Watermelon	115.09	119.84	119.91	99.50
Sweet Melon	102.83	103.70	102.09	99.50
Onion	90.90	86.56	113.59	108.88
Cowpeas	86.80	0.00	100.90	110.00
Okra	98.26	110.02	0.00	0.00
Beans	99.24	100.28	100.55	100.26
Peas	98.04	99.48	101.16	100.90
Eggplant	99.53	100.37	97.73	101.00
Cauliflower	107.55	97.15	97.53	102.70
Broad Bean	96.72	40.03	99.37	98.50
Cabbage	99.12	99.99	86.68	104.93
Lettuce	76.69	96.81	104.35	107.56
Spinach	102.16	100.01	82.43	100.01
Jew Mallow	97.13	101.34	115.93	107.68
Coriander	94.19	100.05	105.05	94.88
Beets	97.50	101.48	93.55	89.82
Parsley	95.35	102.76	101.07	103.02
Potatoes	96.09	101.59	107.21	111.16
Corn	207.05	149.21	112.42	108.91
Turnip	92.89	96.14	97.21	100.00
Carrot	94.74	99.36	111.63	101.93
G Rocket	0.00	0.00	0.00	106.04

Source: Statistics Centre - Abu Dhabi

### 6.1.7. Number and Area of Fruit Trees - Abu Dhabi

(Area in donum)

Fruit Trees	2007/2008		2008/2009	
	Number	Area	Number	Area
Total	86,000	7,313	18,900	1,383
Lemon	3,000	75	2,000	75
Orange	250	6	250	6
Mangoes	500	13	500	13
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
Bananas	0	0	0	0
Ziziphus	81,100	7,205	15,000	1,275
Others	150	3	150	3

Source: Abu Dhabi Food Control Authority

### 6.1.8. Number and Area of Fruit Trees - Al Ain

(Area in donum)

Fruit Trees	2007/2008		2008/2009	
	Number	Area	Number	Area
Total	174,994	3,381	103,236	3,441
Lemon	17,123	568	17,133	571
Orange	8,273	260	7,516	251
Mangoes	9,060	302	8,824	295
Pomegranate	1,827	62	2,080	69
Figs	3,635	120	3,372	112
Guavas	3,502	117	3,197	107
Grapes	4,880	160	4,772	159
Mulberry	1,070	36	1,084	36
Almonds	457	15	494	16
Bananas	955	32	942	31
Ziziphus	114,888	1,406	43,402	1,447
Others	9,324	305	10,420	347

Source: Abu Dhabi Food Control Authority

### 6.1.9. Number and Area of Fruit Trees - Western Region

(Area in donum)

Fruit Trees	2007/2008		2008/2009	
	Number	Area	Number	Area
Total	527,554.0	8,322.0	74,103.0	1,678.3
Lemon	11,629.0	251.5	12,183.0	263.5
Orange	1,783.0	27.5	1,760.0	28.0
Mangoes	815.0	19.0	869.0	19.7
Pomegranate	2,102.0	43.5	2,212.0	46.3
Figs	9,147.0	186.0	10,289.0	49.6
Guavas	2,401.0	50.5	2,554.0	51.6
Grapes	-	-	-	-
Mulberry	-	-	-	-
Almonds	-	-	-	-
Bananas	-	-	-	-
Ziziphus	494,916.0	7,665.5	38,299.0	1,119.5
Others	4,761.0	78.5	5,937.0	100.1

Source: Abu Dhabi Food Control Authority

### 6.1.10. Farmers Loans by Region

(1000 AED)

Region	2005	2007	2008	2009
Total*	46,509.0	32,267.0	42,430.6	25,755.1
Abu Dhabi	5,688.7	2,372.0	4,145.0	4,280.3
Al Ain	40,820.3	29,895.0	38,285.6	21,474.8

Source: Abu Dhabi Food Control Authority

\* Farmers pay back only 50% of the loan amount.

### 6.1.11. Types and Quantities of Pesticides Used, 2008/2009

Description	Abu Dhabi	Al Ain	W. Region	Total
<b>Insecticides</b>				
Liter	348	4,108	1,080	5,536
Kilogram	1,285	19	4,283	5,587
<b>Fungicides</b>				
Liter	662	18	880	1,560
Kilogram	43	218	162	423
<b>Acaroids</b>				
Liter	50	1,998	30	2,078
Kilogram	283	1,160	911	2,354
<b>Pheromones</b>				
	19,522	133,965	147,916	301,403
<b>Kairmone</b>				
	-	-	1,350	1,350
<b>Phostoxin</b>				
	59	44,898	16,913	61,870
<b>Others</b>				
Liter	-	1,062	-	1,062
Kilogram	-	1,202	-	1,202

Source: Abu Dhabi Food Control Authority

### 6.1.12. Imports, Exports and Re-export of Fertilizers

(Quantity in Tons, Value in AED)

Description	2005	2007	2008	2009
<b>Imports</b>				
Quantity	85,896,501	22,112,264	20,892,396	18,689,701
Value	61,319,928	33,594,633	54,407,948	38,647,901
<b>Exports</b>				
Quantity	18,804,679	20,567,767	20,360,712	19,137,544
Value	37,019,914	47,346,493	79,691,915	51,036,252
<b>Re-exports</b>				
Quantity	310,380	307,540	187,970	102,630
Value	682,604	474,268	202,405	948,398

Source: Statistics Centre - Abu Dhabi

### 6.1.13. Number of Sheep, Goats, Cattle and Camels - Abu Dhabi

Region	2005	2007	2008	2009
Total	306,141	554,527	559,444	570,437
Goats and Sheep	253,145	456,783	464,155	473,193
Cattle	5,125	10,507	11,445	11,799
Camels	47,871	87,237	83,844	85,445

Source: Abu Dhabi Food Control Authority

### 6.1.14. Number of Sheep, Goats, Cattle and Camels - Al Ain

Region	2005	2007	2008	2009
Total	1,429,327	1,419,120	1,280,721	1,667,948
Goats and Sheep	1,255,408	1,231,951	1,102,856	1,443,121
Cattle	15,800	19,442	21,240	22,000
Camels	158,119	167,727	156,625	202,827

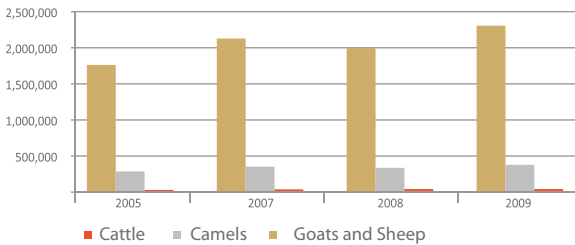
Source: Abu Dhabi Food Control Authority

### 6.1.15. Number of Sheep, Goats, Cattle and Camels - Western Region

Region	2005	2007	2008	2009
Total	343,140	546,194	537,612	488,286
Goats and Sheep	253,160	438,870	431,269	389,289
Cattle	9,705	8,951	9,911	9,193
Camels	80,275	98,373	96,432	89,804

Source: Abu Dhabi Food Control Authority

Figure 6.1.4 Number of Sheep, Goats, Cattle and Camels, 2009





### 6.1.16. Quantity of Fish Caught by the Major Families of Fish

(Quantity in Tons, Value in millions of AED)

Fish	2008		2009	
	Quantity	Value	Quantity	Value
Total	5,363	74.6	5,977	104.8
Carangidae	761	11.8	1,009	15.759
Haemulidae	567	2.8	727	3.918
Lethrinidae	1,063	12.2	1,111	15.553
Lutjanidae	142	0.8	275	2.099
Portunidae	224	2.2	133	1.515
Scombridae	302	7.3	954	26.297
Serranidae	922	23.1	940	29.162
Sparidae	200	1.9	162	1.699
Others	1,182	12.5	666	8.815

Source: Environment Agency - Abu Dhabi

### 6.1.17. Number of Cases Treated and Vaccinated at Veterinary Hospitals and Clinics, 2008/2009

Cases	Grand Total	Abu Dhabi	Al Ain	Western Region
Total	4,729,958	860,187	3,170,226	699,545
Contagious Diseases	304,405	53,212	215,641	35,552
Infectious Diseases	857,171	24,670	820,638	11,863
Non Infectious Diseases	592,775	43,876	495,174	53,725
Metabolic Diseases and Malnutrition	337,977	2,298	334,034	1,645
Reproductive Disorder	819,501	380,398	13,144	425,959
Surgical Operation	345,296	125,002	49,493	170,801
Vaccination	775,603	88,764	686,839	—
Samples Examined	697,230	141,967	555,263	—

Source: Abu Dhabi Food Control Authority

### 6.1.18. Number of Animals Treated at Veterinary Clinics

Region	2006	2007	2008	2009
Total	3,535,624	2,824,054	3,102,291	2,714,613
Abu Dhabi*	1,927,236	1,365,804	1,166,816	1,132,559
Al Ain	1,608,388	1,458,250	1,935,475	1,582,054

Source: Abu Dhabi Food Control Authority

\* Includes the Western Region

### 6.1.19. Number of Poultry Farms by Type

Type	Units	2008	2009
Broilers	Number	9	7
	Ton	12,000	13,228
Layers	Number	4	3
	000 eggs	130,120.8	155,648

Source: Abu Dhabi Food Control Authority

### 6.1.20. Incidence of Poultry Diseases by Region

Region	2005	2007	2008	2009
Total	201,992	357,612	427,579	743,469
Abu Dhabi*	175,365	301,902	63,167	97,601
Al Ain	26,627	55,710	364,412	645,868

Source: Abu Dhabi Food Control Authority

\* Includes the Western Region

**6.1.21. Area Cultivated with Field Crops by Region**  
(donums)

Region	2005	2007	2008	2009
Total	200,541	174,178	242,148	232,143
Abu Dhabi	27,310	36,726	33,456	29,470
Al Ain	118,682	80,471	141,191	139,048
Western Region	54,549	56,981	67,501	63,625

Source: Abu Dhabi Food Control Authority

**6.1.22. Production of Field Crops by Region**  
(Tons)

Region	2005	2007	2008	2009
Total	1,329,889	1,259,069	1,249,438	1,206,638
Abu Dhabi	210,578	185,136	178,663	165,466
Al Ain	758,609	728,953	716,451	683,936
Western Region	360,702	344,980	534,324	357,236

Source: Abu Dhabi Food Control Authority

**6.1.23. Value of Field Crops by Region**  
(000 AED)

Region	2005	2007	2008	2009
Total	2,123,580	2,026,663	2,061,569	1,990,953
Abu Dhabi	338,036	301,762	294,793	273,019
Al Ain	1,204,466	1,162,603	1,182,141	1,128,495
Western Region	581,078	562,299	584,635	589,439

Source: Abu Dhabi Food Control Authority

### 6.1.24. Imports of Food and Agricultural Goods

(000 AED)

Description	2005	2007	2008	2009
Total	3,317,479	3,652,288	5,679,424	6,395,954
Live animals and their products	980,136	803,799	1,812,451	1,784,291
Vegetable products	1,257,529	1,730,892	2,043,674	2,869,276
Animals or vegetable fats, oils and waxes	182,638	210,909	480,983	268,108
Foodstuffs, beverages, spirits and tobacco	812,332	858,458	1,260,677	1,408,733
Products of the chemical or allied industry	61,320	33,595	54,408	38,648
Pesticides and rodents, fungi, weeds	23,524	14,635	27,231	26,898

Source: Statistics Centre - Abu Dhabi

### 6.1.25. Exports of Food and Agricultural Goods

(000 AED)

Description	2005	2007	2008	2009
Total	293,299	448,798	616,319	447,496
Live animals and their products	48,647	73,651	97,814	107,913
Vegetable products	34,120	58,020	61,300	37,667
Animals or vegetable fats, oils and waxes	125,751	158,001	242,928	107,554
Foodstuffs, beverages, spirits and tobacco	47,761	110,866	134,498	143,326
Products of the chemical or allied industry	37,020	47,346	79,692	51,036
Pesticides and rodents, fungi, weeds	0	914	87	0

Source: Statistics Centre - Abu Dhabi

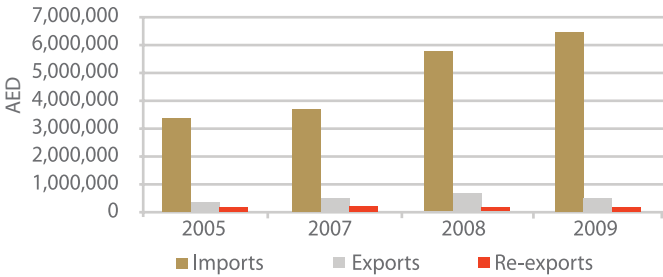
**6.1.26. Re- Exports of Foods and Agricultural Goods**

(000 AED)

Description	2005	2007	2008	2009
Total	163,208	130,796	129,651	91690
Live animals and their products	37,679	47,134	40,855	32854
Vegetable products	45,012	55,903	55,238	18965
Animals or vegetable fats, oils and waxes	27,766	4,288	3,521	9655
Foodstuffs, beverages, spirits and tobacco	50,855	22,710	29,662	29004
Products of the chemical or allied industry	683	474	202	264
Pesticides and rodents, fungi, weeds	1,213	287	173	948

Source: Statistics Centre - Abu Dhabi

**Figure 6.1.5 Foreign Trade in Food and Agricultural Goods**



**6.1.27. Number and Value of Camels Supplied, Sold and Slaughtered**  
(Value in AED, Quantity in Kg)

Description	2005	2008	2009
<b>Supplied Camels</b>			
Number	13,468	953	710
Value	381,465	26,305	23,845
<b>Sold Meat</b>			
Quantity	1,717,391	102,493	81,759
Value	10,524,993	1,416,066	1,355,243
<b>Sold Camels</b>			
Number	756	213	151
Value	18,014	6,914	5,907

Source: Abu Dhabi Food Control Authority

**6.1.28. Number and Area of Forest and Ornamental Plants**  
(Area in donums)

Description	2005	2008	2009
<b>Total</b>			
Number	1,128,205	618,049	1,106,139
Area	33,889.0	15,070.0	26,091.7
<b>Abu Dhabi</b>			
Number	334,200	55,000	256,000
Area	8,470.0	1,375.0	6,400.0
<b>Al Ain</b>			
Number	153,218	251,847	282,884
Area	4,165.0	5,037.0	5,632.0
<b>Western Region</b>			
Number	640,787	311,202	567,255
Area	21,254.0	8,658.0	14,059.7

Source: Abu Dhabi Food Control Authority

### 6.1.29. Number of Agricultural Centres by Region

Region	Extension Centre	Supply Centres	Marketing Centre	Marketing Centres Feed
Total	39	24	22	20
Abu Dhabi	2	3	10	2
Al Ain	25	9	7	7
Western Region	12	12	5	11

Source: Abu Dhabi Food Control Authority

### 6.1.30. Number and Area of Forest Trees by Region, 2009

(Area in donums)

Region	Number	Area
Total	15,318,112	1,778,490
Abu Dhabi	5,568,737	353,790
Al Ain	4,355,094	591,500
Western Region	5,394,281	833,200

Source: Abu Dhabi Food Control Authority

## 6.2. Environmental Resources

Abu Dhabi continues to work towards sustainable development through pursuing a balance between the requirements of a prosperous economic and social life and the need to protect the environment and preserve natural resources for generations to come.

In 2009, the average minimum temperature of the Abu Dhabi Emirate was 22.6°C while the average maximum temperature was 33.7°C. Average yearly rainfall increased from 46 mm in 2008 to 81.8 mm in 2009. Average minimum relative humidity was 33% while average maximum relative humidity was 79.8%. Average atmospheric pressure was 1009.5 hectopascal and the daily average solar radiation exceeded 7,000 Watt /m<sup>2</sup>/h in some regions.

Abu Dhabi pays particular attention to several environmental issues, such as waste management, air quality, water consumption, wastewater treatment and food safety. In 2008, the Emirate of Abu Dhabi generated more than 13,000 tons of waste per day, which adds up to approximately five million tons annually. About 96% of the disposed waste was sent out to designated landfills, whereas only 0.33% of the generated waste was recycled. Regarding air quality, most air pollutants remained within acceptable limits in 2008 except for the concentration of inhalable particulate matter which reached 1,032 mcg/m<sup>3</sup>, exceeding the permissible limit by six times.

The quantity of generated and treated sewage in 2009 was 219.6 MCM. Abu Dhabi accounts for about 77% of treated wastewater, while the Western region's share is only 3.8% of the total. During the same year, the total consumption of desalinated water reached approximately 173,782.58 million gallons.

In 2009, there were 677 cases of food poisoning in the Abu Dhabi Emirate (41.18 per 100,000 of the population). Salmonella constituted 30% of the cases while typhoid made up around 20% of the cases.



## Location and Area

The Emirate of Abu Dhabi is located in the far west and southwest part of the United Arab Emirates along the southern coast of the Arabian Gulf between latitudes 22°40' and around 25° north and longitudes 51° and around 56° east. The total area of the Emirate is 67,340 square kilometres, occupying about 87% of the total area of the UAE. The territorial waters of the Emirate embrace some 200 islands off its 700 km 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. They provide habitat to the sparse vegetation cover that characterises the region. The eastern part of the Emirate borders the western fringes of Al-Hajar Mountains. Jebel Hafeet Mountain, Abu Dhabi's highest elevation, rising about 1,300 metres, is located south of Al-Ain city.

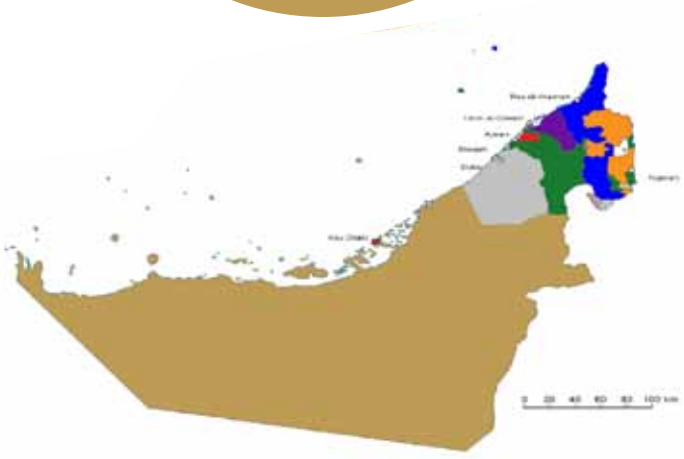
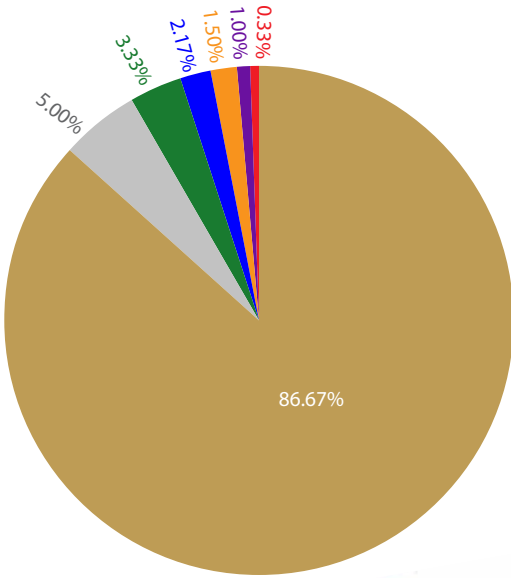
### 6.2.1 Area\* of the United Arab Emirates

Emirate	Sq.mile	Sq.kilometer	%
Total	30,000.14	77700	100
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

# Area of The United Arab Emirates



- Abu Dhabi
- Dubai
- Sharjah
- Ras Al-Khaimah
- Fujairah
- Umm Al Qiwain
- Ajman

# 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 relatively high temperatures throughout the year, especially in summer.

The Emirate's extreme summer temperatures are associated with high relative humidity, especially in coastal areas.

Abu Dhabi receives scant rainfall and has warm winters with occasionally low temperatures.

There is a large variation in temperature between the coastal strip, the desert interior and areas of higher elevation that together make up the topography of the Emirate. 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 wind speed, high temperature and low rainfall.

## 6.2.2. Average Air Temperature by Month - Abu Dhabi , 2009

(Celsius)

Month	Minimum Temperature	Avg. Min. Temperature	Maximum Temperature	Avg. Max. Temperature
January	4.6	12.0	29.2	21.9
February	7.6	15.3	38.3	27.4
March	9.0	17.9	41.5	30.5
April	13.6	20.9	43.2	33.6
May	19.4	25.0	49.2	39.9
June	20.8	27.0	48.4	41.2
July	24.7	29.1	49.4	40.6
August	26.0	30.1	47.3	42.4
September	21.9	27.5	46.3	39.4
October	17.4	22.7	41.8	36.3
November	13.3	19.8	38.0	31.6
December	11.7	17.1	31.4	25.7

Source: National Centre for Meteorology and Seismology

### 6.2.3. Average Air Temperature by Month - Al Ain, 2009

(Celsius)

Month	Minimum Temperature	Avg. Min. Temperature	Maximum Temperature	Avg. Max. Temperature
January	5.0	10.4	29.5	21.6
February	5.8	14.6	36.7	27.3
March	8.3	18.0	37.6	30.4
April	11.2	20.7	42.8	34.5
May	18.1	25.9	49.3	42.1
June	21.0	27.6	48.8	43.2
July	25.0	28.8	48.9	43.5
August	23.6	29.6	47.3	42.7
September	19.0	26.5	45.7	40.2
October	19.5	22.9	42.0	35.9
November	11.5	18.5	37.1	30.5
December	10.1	15.0	39.0	24.6

Source: National Centre for Meteorology and Seismology

### 6.2.4. Average Air Temperature by Month - Western Region, 2009

(Celsius)

Month	Minimum Temperature	Avg. Min. Temperature	Maximum Temperature	Avg. Max. Temperature
January	3.1	10.5	30.4	21.8
February	6.8	14.0	39.0	27.6
March	9.3	17.9	41.7	31.0
April	13.8	20.9	45.2	34.4
May	17.0	26.1	50.2	41.1
June	19.9	27.8	49.7	42.7
July	24.2	29.4	49.7	42.8
August	25.4	30.2	49.1	42.0
September	21.2	27.0	47.3	39.4
October	16.3	23.4	42.6	36.0
November	12.7	19.5	38.7	30.6
December	8.0	16.0	32.8	25.0

Source: National Centre for Meteorology and Seismology

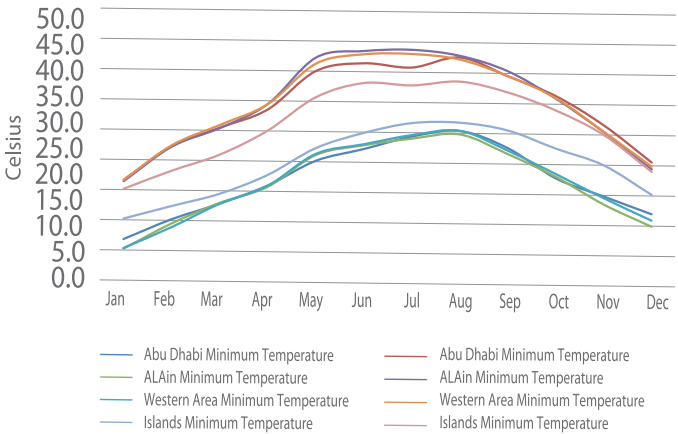
### 6.2.5. Average Air Temperature by Month - Islands, 2009

(Celsius)

Month	Minimum Temperature	Avg. Min. Temperature	Maximum Temperature	Avg. Max. Temperature
January	12.0	15.4	25.6	20.4
February	13.6	17.5	32.6	23.4
March	15.1	19.6	36.2	26.1
April	17.3	22.7	42.9	30.1
May	24.6	27.1	44.9	35.5
June	27.2	29.7	44.4	37.9
July	28.9	31.3	42.9	37.6
August	28.8	31.5	44.3	38.3
September	26.6	30.4	39.7	36.7
October	25.3	27.5	36.3	33.9
November	20.7	24.9	38.3	30.0
December	17.0	20.3	28.6	24.1

Source: National Centre for Meteorology and Seismology

**Figure: 6.2.1 Average Maximum and Minimum Air Temperature by Month, 2009**



### 6.2.6. Average Rainfall by Region and Rainy Months, 2009

(millimeters)

Month	Abu Dhabi	Al Ain	Western Region	Islands
January	7.9	20.0	14.5	33.4
February	0.2	0.0	0.0	0.0
March	30.7	18.9	10.0	4.7
April	5.8	13.5	19.4	6.0
July	0.0	0.0	Trace	0.0
September	0.0	0.6	0.0	0.0
December	71.5	33.4	10.9	25.8

Source: National Centre for Meteorology and Seismology

### 6.2.7. Rainfall in Abu Dhabi Region and Al Ain by Month, 2009

(millimeters)

Month	Abu Dhabi		AL Ain	
	Heaviest Fall in one Day	Total for Month	Heaviest Fall in one Day	Total for Month
January	15.0	39.3	32.0	140.2
February	0.6	0.6	0.0	0.0
March	36.4	153.6	51.0	132.4
April	6.8	29.0	20.4	94.4
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	0.0	0.0	0.0	0.0
September	0.0	0.0	0.0	4.4
October	0.0	0.0	0.0	0.0
November	0.0	0.0	0.0	0.0
December	73.0	357.4	53.2	233.7

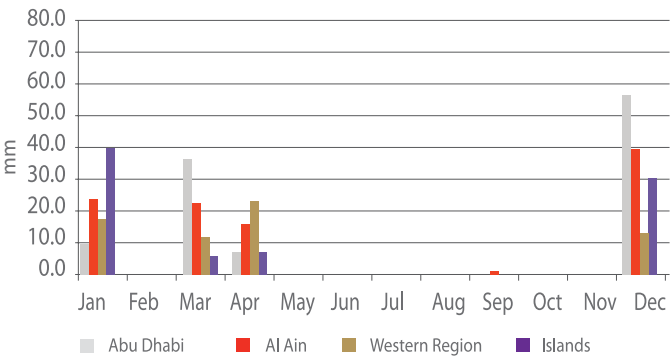
Source: National Centre for Meteorology and Seismology

**6.2.8. Rainfall in Western Region and Islands by Month, 2009**  
(millimeter)

Month	Western Region		Islands	
	Heaviest Fall in one Day	Total for Month	Heaviest Fall in one Day	Total for Month
January	44.2	115.6	35.8	66.8
February	0.2	0.2	0.0	0.0
March	25.8	79.8	4.4	9.4
April	51.8	155.2	7.2	12.0
May	0.0	0.0	0.0	0.0
June	0.0	0.0	0.0	0.0
July	0.2	0.2	0.0	0.0
August	0.0	0.0	0.0	0.0
September	0.0	0.0	0.0	0.0
October	0.0	0.0	0.0	0.0
November	0.0	0.0	0.0	0.0
December	19.6	87.4	19.4	51.6

Source: National Centre for Meteorology and Seismology

**Figure 6.2.2: Average Rainfall by Region and Month, 2009**



**6.2.9. Average Atmospheric Pressure by Month and Region, 2009**  
(Hectopascal)

Month	Abu Dhabi	AL Ain	Western Region	Islands
January	1,018.4	1,018.4	1,019.6	1,020.0
February	1,014.5	1,015.3	1,015.6	1,015.7
March	1,012.5	1,012.3	1,012.8	1,013.0
April	1,010.8	1,011.1	1,011.3	1,011.0
May	1,005.3	1,005.7	1,006.0	1,006.1
June	1,002.0	1,002.4	1,002.6	1,002.8
July	996.8	997.2	997.5	997.9
August	1,000.0	1,000.8	1,000.5	1,001.3
September	1,005.4	1,005.8	1,005.8	1,005.9
October	1,011.5	1,012.3	1,012.0	1,011.8
November	1,014.3	1,015.2	1,015.0	1,014.9
December	1,015.7	1,017.1	1,017.3	1,017.2

Source: National Centre for Meteorology and Seismology

**6.2.10. Average Relative Humidity by Month and Region, 2009**  
(%)

Month	Abu Dhabi	AL Ain	Western Region	Islands
January	74.0	64.5	66.7	84.9
February	62.5	52.9	55.4	83.0
March	59.0	42.1	51.9	74.1
April	51.5	36.8	43.8	76.9
May	48.9	24.7	34.4	67.8
June	50.1	24.7	33.5	66.7
July	61.8	38.2	40.4	68.7
August	52.7	37.2	47.7	75.7
September	60.1	44.2	53.4	70.2
October	55.6	34.5	50.8	65.5
November	61.6	49.0	59.1	63.7
December	68.7	68.9	68.4	72.3

Source: National Centre for Meteorology and Seismology



### 6.2.11. Average Relative Humidity by Month - Abu Dhabi, 2009

(%)

Month	Monthly Average	Minimum	Maximum
January	74.0	50.0	92.0
February	62.5	37.6	85.1
March	59.0	27.7	77.9
April	51.5	26.0	77.3
May	48.9	22.8	74.1
June	50.1	23.0	77.6
July	61.8	35.7	85.0
August	52.7	26.9	73.9
September	60.1	33.6	84.0
October	55.6	26.4	81.6
November	61.6	36.6	82.6
December	68.7	49.4	85.9

Source: National Centre for Meteorology and Seismology

### 6.2.12. Average Relative Humidity by Month - Al Ain , 2009

(%)

Month	Monthly Average	Minimum	Maximum
January	64.5	35.9	91.6
February	52.9	26.9	79.1
March	42.1	20.5	68.0
April	36.8	16.8	62.9
May	24.7	8.6	47.3
June	24.7	8.0	50.0
July	38.2	14.0	70.7
August	37.2	18.0	61.9
September	44.2	17.6	77.0
October	34.5	13.4	63.5
November	49.0	25.3	77.3
December	68.9	43.5	89.8

Source: National Centre for Meteorology and Seismology

**6.2.13. Average Relative Humidity by Month - Western Region, 2009**  
(%)

Month	Monthly Average	Minimum	Maximum
January	66.7	40.6	91.2
February	55.4	30.8	83.1
March	51.9	25.9	78.7
April	43.8	19.8	72.4
May	34.4	13.1	60.5
June	33.5	11.2	62.9
July	40.4	16.9	69.2
August	47.7	23.8	75.1
September	53.4	24.1	84.5
October	50.8	20.8	80.7
November	59.1	33.1	85.6
December	68.4	46.2	87.2

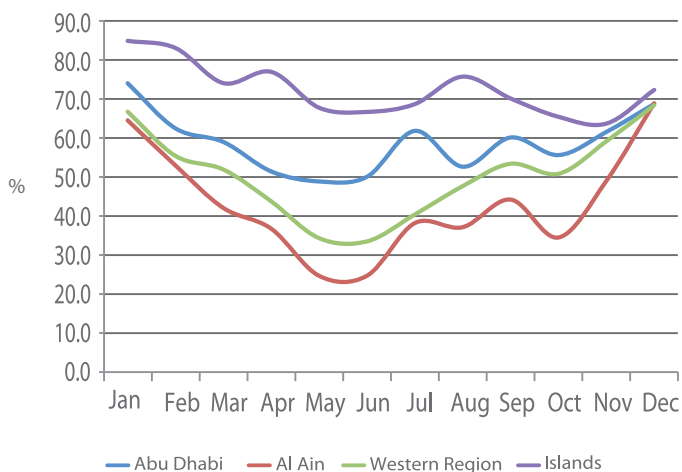
Source: National Centre for Meteorology and Seismology

**6.2.14. Average Relative Humidity by Month - Islands, 2009**  
(%)

Month	Monthly Average	Minimum	Maximum
January	84.9	72.7	94.9
February	83.0	68.0	96.2
March	74.1	61.8	96.0
April	76.9	56.3	94.6
May	67.8	39.9	93.4
June	66.7	35.3	92.8
July	68.7	46.9	88.2
August	75.7	51.5	93.0
September	70.2	52.1	87.2
October	65.5	45.1	83.9
November	63.7	47.2	79.8
December	72.3	58.3	85.4

Source: National Centre for Meteorology and Seismology

**Figure 6.2.3 Average Relative Humidity by Region and Month, 2009**



**6.2.15. Average Wind Speed by Month, 2009**

(Knot\*)

Month	Abu Dhabi	AL Ain	Western Region	Islands
January	5.7	5.3	7.6	8.3
February	6.6	6.2	8.4	9.2
March	7.7	7.3	7.2	9.2
April	6.7	6.6	6.3	7.7
May	6.5	6.9	7.0	7.6
June	6.8	6.6	8.3	6.6
July	6.0	5.7	7.2	8.5
August	6.5	6.1	7.2	6.2
September	6.0	5.6	6.7	7.1
October	5.3	5.7	6.0	5.1
November	5.3	5.2	6.7	6.3
December	5.8	5.0	6.3	8.2

Source: National Centre for Meteorology and Seismology

\*Knot=1.15mph

### 6.2.16. Wind Speed by Month - Abu Dhabi , 2009

(Knot\*)

Month	Average	Absolute Maximum	Average Maximum
January	5.7	29.5	11.6
February	6.6	28.1	12.9
March	7.7	36.9	15.9
April	6.7	41.7	13.9
May	6.5	24.3	14.2
June	6.8	24.5	14.7
July	6.0	19.7	12.8
August	6.5	30.3	13.6
September	6.0	19.9	13.0
October	5.3	19.9	12.0
November	5.3	20.2	10.9
December	5.8	37.0	12.1

Source: National Centre for Meteorology and Seismology

\*Knot=1.15mph

### 6.2.17. Wind Speed by Month - Al Ain, 2009

(Knot\*)

Month	Average	Absolute Maximum	Average Maximum
January	5.3	22.2	11.2
February	6.2	28.0	12.9
March	7.3	33.0	14.9
April	6.6	30.1	14.0
May	6.9	29.6	15.3
June	6.6	27.0	14.8
July	5.7	28.0	13.6
August	6.1	25.9	13.5
September	5.6	20.3	12.8
October	5.7	23.0	12.9
November	5.2	20.7	11.4
December	5.0	29.0	11.3

Source: National Centre for Meteorology and Seismology

\*Knot=1.15mph

### 6.2.18. Wind Speed by Month - Western Region, 2009

(Knot\*)

Month	Average	Absolute Maximum	Average Maximum
January	7.6	40.04	14.28
February	8.4	37.50	15.17
March	7.2	32.00	14.28
April	6.3	32.30	13.85
May	7.0	29.30	15.95
June	8.3	30.60	16.92
July	7.2	28.60	15.83
August	7.2	35.10	15.20
September	6.7	28.50	14.44
October	6.0	21.20	12.23
November	6.7	27.80	13.23
December	6.3	26.80	12.32

Source: National Centre for Meteorology and Seismology

\*Knot=1.15mph

### 6.2.19. Wind Speed by Month - Islands, 2009

(Knot\*)

Month	Average	Absolute Maximum	Average Maximum
January	8.3	27.6	13.7
February	9.2	32.9	15.0
March	9.2	33.3	15.5
April	7.7	23.7	14.1
May	7.6	24.6	13.7
June	6.6	21.8	12.4
July	8.5	23.7	14.3
August	6.2	21.3	11.4
September	7.1	20.6	12.6
October	5.1	19.2	10.4
November	6.3	18.8	11.5
December	8.2	29.8	14.0

Source: National Centre for Meteorology and Seismology

\*Knot=1.15mph

### 6.2.20. Average Sunshine by Region and Month, 2009

(Hours)

Month	Abu Dhabi	Al Ain
January	7.4	8.6
February	9.0	8.9
March	8.4	7.8
April	9.8	9.8
May	11.1	10.9
June	11.2	10.8
July	10.3	9.0
August	10.2	9.5
September	10.2	10.2
October	9.5	9.7
November	8.8	9.2
December	7.0	7.7

Source: National Centre for Meteorology and Seismology

### 6.2.21. Average Daily Total Solar Radiation by Month - Abu Dhabi, 2009

(Watt /m<sup>2</sup>/h)

Month	Minimum	Maximum	Average
January	1,205	5,810	4,223
February	3,735	6,406	5,253
March	1,823	7,238	5,438
April	803	8,140	6,226
May	613	8,310	6,600
June	1,395	8,380	6,429
July	878	7,770	5,765
August	922	7,460	5,562
September	1,860	7,090	5,421
October	698	6,490	4,637
November	508	5,250	3,984
December	78	4,656	2,934

Source: National Centre for Meteorology and Seismology

**6.2.22. Average Daily Total Solar Radiation by Month- Al Ain, 2009***(Watt /m<sup>2</sup>/h)*

Month	Minimum	Maximum	Average
January	1,419	5,646	4,245
February	3,938	6,544	5,330
March	1,461	6,949	5,772
April	3,493	8,437	7,003
May	1,675	8,559	7,337
June	3,295	8,539	7,124
July	1,162	8,065	6,399
August	1,796	7,491	6,495
September	3,139	7,254	6,552
October	2,503	6,546	5,673
November	1,048	5,368	4,487
December	67	4,944	3,692

Source: National Centre for Meteorology and Seismology

**6.2.23. Average Daily Total Solar Radiation by Month - Western Region, 2009***(Watt /m<sup>2</sup>/h)*

Month	Minimum	Maximum	Average
January	894	5,845	4,375
February	2,818	6,429	5,337
March	1,543	7,319	5,755
April	667	7,811	6,099
May	179	8,198	6,626
June	3,306	8,095	6,949
July	125	7,617	5,533
August	1,242	6,935	4,933
September	802	6,978	5,084
October	1,106	6,575	4,556
November	534	5,217	3,542
December	69	4,763	3,281

Source: National Centre for Meteorology and Seismology

#### 6.2.24. Average Daily Total Solar Radiation by Month - Islands, 2009

(Watt /m<sup>2</sup>/h)

Month	Minimum	Maximum	Average
January	1,183	5,101	3,311
February	2,671	5,046	4,207
March	2,088	7,011	5,192
April	447	7,414	4,575
May	2,486	7,470	4,881
June	2,530	7,393	4,604
July	47	6,397	3,835
August	193	7,153	4,081
September	1,686	6,806	3,969
October	274	5,838	3,169
November	875	4,829	2,694
December	182	4,648	2,282

Source: National Centre for Meteorology and Seismology

#### 6.2.25. Average Daily Total Solar Radiation by Month, 2009

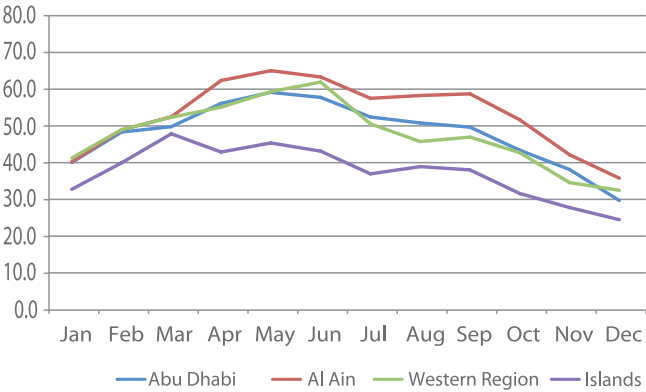
(Watt /m<sup>2</sup>/h)

Month	Abu Dhabi	Al Ain	Western Region	Islands
January	4,223	4,245	4,375	3,311
February	5,253	5,330	5,337	4,207
March	5,438	5,772	5,755	5,192
April	6,226	7,003	6,099	4,575
May	6,600	7,337	6,626	4,881
June	6,429	7,124	6,949	4,604
July	5,765	6,399	5,533	3,835
August	5,562	6,495	4,933	4,081
September	5,421	6,552	5,084	3,969
October	4,637	5,673	4,556	3,169
November	3,984	4,487	3,542	2,694
December	2,934	3,692	3,281	2,282

Source: National Centre for Meteorology and Seismology



**Figure 6.2.4: Average Daily Total Solar Radiation by Region and Month, 2009**



## Air Quality

Outdoor air pollution adversely affects all living organisms, including human beings in developing and developed countries alike. Air pollution figures in the Emirate of Abu Dhabi are generally within the normal range. However, the readings vary with different locations: 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. The peak concentrations of pollutants in 2008 were 187.38 micrograms/cubic meter for nitrogen dioxide, 166.54 micrograms/cubic meter for ozone, and 173.14 micrograms/cubic meter for sulphur dioxide. It can be seen that, the only exception is inhalable particulate matter, which exceeds the permissible level by many folds, reaching a maximum concentration of 1032.76 micrograms/cubic meter, and posing a serious threat to human health.

### 6.2.26. Air Pollution Indicators by Region, 2008

(Microgram/m3)

Indicator	Objective	Maximum Reading		
		Abu Dhabi	Al Ain	Western Region
Carbon Monoxide (CO)	30 micro gram / m3	10.45	13.27	na
Ozone (O <sub>3</sub> )	200micro gram / m3	153.15	137.04	166.54
Nitrogen dioxide (NO <sub>2</sub> )	400micro gram / m3	187.38	147.15	72.64
Sulfur Dioxide (SO <sub>2</sub> )	350micro gram / m3 in 1 hour	173.14	123.42	124.00
Suspended Particle Matter (PM10)	150micro gram / m3 in 24 hours	1,026.18	1,032.74	1,025.71

Source: Environment Agency - Abu Dhabi

### 6.2.27. Per Capita Sulfur Dioxide Emission - Oil and Gas Sector

(Ton)

Process	2005	2007	2008	2009
Total	0.188	0.141	0.100	0.113
Chemical	0.000	0.000	0.000	0.000
Marketing refining	0.007	0.007	0.007	0.007
Gas processing	0.106	0.076	0.063	0.060
Exploration and production	0.074	0.059	0.029	0.047

Source : Statistics Centre- Abu Dhabi

**6.2.28. Sulfur Dioxide Concentrations in Ambient Air by Region, 2008**  
(Microgram/m<sup>3</sup>)

Location	Average	Maximum	Minimum
<b>Abu Dhabi</b>			
Down Town-Kadejah School	9.59	173.14	~
Urban/ Residential -Khalifa school	8.20	148.96	~
Road Side-Hamdan Street	6.93	138.00	~
Urban/ Residential-Baniyas School	23.96	156.28	0.03
Industrial-Mussafah	2.91	71.87	0.03
<b>Al Ain</b>			
Urban/ Residential -Al Ain Islamic Institute	3.57	123.42	0.03
Road Side-Al Ain street	22.74	91.24	0.03
<b>Western Region</b>			
Urban/ Residential-Bida Zayed	5.19	104.64	0.05
Down Town-Gayathi School	5.04	124.62	0.05
Regional Background-Liwa Oasis	4.75	123.9	0.05

Source: Environment Agency - Abu Dhabi

(~) Below detection limit

**6.2.29. Per Capita Emission of Air Pollutants from Oil Activities**  
(Ton)

Region	2005	2007	2008	2009
Total emission	0.274	0.223	0.175	0.182
Sulfur dioxide	0.188	0.141	0.100	0.113
Volatile Organic Compounds	0.046	0.044	0.042	0.035
Nitrogen Oxides	0.040	0.037	0.034	0.033

Source : Statistics Centre- Abu Dhabi

**6.2.30. Emissions of Sulfur Dioxide from Oil Activities**  
(Ton)

Process	2005	2007	2008	2009
Total	262,539	212,722	156,674	185,870
Chemical	240	212	200	178
Marketing refining	10,040	10,075	11,506	11,271
Gas processing	148,743	114,045	99,349	97,780
Exploration and production	103,516	88,390	45,619	76,641

Source : Abu Dhabi National Oil Company - ADNOC

**6.2.31. Per Capita Nitrogen Dioxide Emissions - Oil and Gas Sector**  
(Ton)

Process	2005	2007	2008	2009
Total	0.040	0.037	0.034	0.034
Chemical	0.001	0.001	0.001	0.001
Marketing refining	0.013	0.013	0.013	0.012
Gas processing	0.014	0.012	0.010	0.010
Exploration and production	0.012	0.011	0.010	0.011

Source : Statistics Centre- Abu Dhabi

**6.2.32. Nitrogen Oxides Concentrations in Ambient Air, 2008**  
(Microgram/m<sup>3</sup>)

Location	Average	Maximum	Minimum
<b>Abu Dhabi</b>			
Down Town-Kadejah School	21.84	167.68	~
Urban/ Residential -Khalifa school	39.23	174.75	0.04
Road Side-Hamdan Street	20.69	178.79	~
Urban/ Residential-Baniyas School	19.98	180.97	~
Industrial-Mussafah	45.77	187.38	~
<b>Al Ain</b>			
Urban/ Residential -Al Ain Islamic Institute	34.47	113.93	0.08
Road Side-Al Ain street	15.53	147.15	~
<b>Western Region</b>			
Urban/ Residential-Bida Zayed	3.85	21.68	0.08
Down Town-Gayathi School	8.44	72.64	0.094
Regional Background-Liwa Oasis	2.87	32.17	~

Source: Environment Agency - Abu Dhabi

(~) Below detection limit

### 6.2.33. Emissions of Nitrogen Oxides from Oil Activities

(Ton)

Region	2005	2007	2008	2009
<b>Total</b>	56,225	55,881	52,755	54,782
Chemical	1,512	1,525	1,453	1,385
Marketing refining	17,795	19,596	20,253	20,031
Gas processing	20,263	18,473	16,004	15,696
Exploration and production	16,655	16,287	15,045	17,670

Source: Abu Dhabi National Oil Company - ADNOC

### 6.2.34. Methane Concentrations in Ambient Air by Region, 2008

(Microgram/m<sup>3</sup>)

Location	Average	Maximum	Minimum
<b>Abu Dhabi</b>			
Down Town-Kadejah School	1.91	5.29	0.01
Urban/ Residential -Khalifa school	4.90	29.28	0.00
Road Side-Hamdan Street	0.86	1.49	0.49
Urban/ Residential-Baniyas School	1.51	41.12	0.13
Industrial-Mussafah	1.79	3.28	0.29
<b>Al Ain</b>			
Urban/ Residential -Al Ain Islamic Institute	1.58	4.13	0.67
Road Side-Al Ain street	3.17	7.70	0.97
<b>Western Region</b>			
Urban/ Residential-Bida Zayed	1.90	21.51	0.07
Down Town-Gayathi School	1.81	6.81	0.01
Regional Background-Liwa Oasis	1.35	16.53	0.48

Source: Environment Agency - Abu Dhabi

**6.2.35. Per Capita Volatile Organic Compounds Emissions - Oil and Gas Sector**  
(Ton)

Process	2005	2007	2008	2009
Total	0.047	0.046	0.042	0.035
Chemical	0.001	0.000	0.000	0.000
Marketing refining	0.006	0.006	0.005	0.005
Gas processing	0.006	0.005	0.004	0.004
Exploration and production	0.034	0.034	0.032	0.026

Source: Statistics Centre- Abu Dhabi

**6.2.36. Emissions of Air Polluting Volatile Organic Compounds**  
(Ton)

Process	2005	2007	2008	2009
Total	64,915	66,698	65,475	57,999
Chemical	700	709	783	615
Marketing refining	8,222	8,430	8,310	8,343
Gas processing	8,503	7,027	5,978	6,206
Exploration and production	47,490	50,532	50,404	42,835

Source: Abu Dhabi National Oil Company - ADNOC

**6.2.37. Ground- level Ozone Concentrations in Ambient Air by Region, 2008**  
(Microgram/m<sup>3</sup>)

Location	Average	Maximum	Minimum
<b>Abu Dhabi</b>			
Down Town-Kadejah School	34.76	133.01	0.02
Urban/ Residential -Khalifa school	36.65	153.15	1.53
Urban/ Residential-Baniyas School	32.54	135.18	0.49
<b>Al Ain</b>			
Urban/ Residential -Al Ain Islamic Institute	29.51	137.04	0.37
<b>Western Region</b>			
Urban/ Residential-Bida Zayed	46.96	166.54	0.00
Down Town-Gayathi School	53.83	163.13	1.65
Regional background - Liwa Oasis	75.72	153.64	2.62

Source: Environment Agency - Abu Dhabi

**6.2.38. Particulate Matter Concentrations in Ambient Air by Region, 2008**  
(Microgram/m<sup>3</sup>)

Location	Average	Maximum	Minimum
<b>Abu Dhabi</b>			
Down Town-Kadejah School	139.05	1020.81	10.10
Urban/ Residential -Khalifa school	97.68	1020.48	10.10
Road Side-Hamdani Street	134.27	1026.18	10.15
Urban/ Residential-Baniyas School	97.27	1024.08	11.60
Industrial-Mussafah	286.95	1025.43	13.82
<b>Al Ain</b>			
Urban/ Residential -Al Ain Islamic Institute	116.99	1026.58	10.10
Road Side-Al Ain street	199.84	1032.76	6.10
<b>Western Region</b>			
Urban/ Residential-Bida Zayed	143.28	1024.78	10.10
Down Town-Gayathi School	208.79	1022.27	10.10
Regional Background-Liwa Oasis	194.52	1025.71	10.07

Source: Environment Agency - Abu Dhabi

**6.2.39. Hydrogen Sulfide Concentrations in Ambient Air by Region, 2008**  
(Microgram/m<sup>3</sup>)

Location	Average	Maximum	Minimum
<b>Abu Dhabi</b>			
Down Town-Kadejah School	2.63	14.94	0.01
Urban/ Residential -Khalifa school	2.73	71.02	0.00
Urban/ Residential-Baniyas School	2.01	110.67	0.01
Industrial-Mussafah	2.66	24.72	0.07
<b>Al Ain</b>			
Urban/ Residential -Al Ain Islamic Institute	1.69	51.61	0.01
<b>Western Region</b>			
Urban/ Residential-Bida Zayed	2.49	20.48	0.01
Regional Background-Liwa Oasis	1.26	44.51	0.01

Source: Environment Agency - Abu Dhabi

#### 6.2.40. Carbon Monoxide Concentrations in Ambient Air, 2008

(Microgram/m<sup>3</sup>)

Location	Average	Maximum	Minimum
<b>Abu Dhabi</b>			
Road Side - Hamdan Street	1.94	10.54	0.36
<b>Al Ain</b>			
Road Side - Al Ain street	2.41	13.27	0.82

Source: Environment Agency - Abu Dhabi

#### 6.2.41. Total Air Polluting Emissions from Oil Activities

(Ton)

Region	2005	2007	2008	2009
Total	383,679	335,301	274,904	298,651
Sulfur dioxide	262,539	212,722	156,674	185,870
VOC	64,915	66,698	65,475	57,999
Nitrogen Oxides	56,225	55,881	52,755	54,782

Source: Abu Dhabi National Oil Company - ADNOC

#### 6.2.42. Carbon Dioxide (GHG) Emissions Per Capita from the Oil Sector

(Ton)

Process	2005	2007	2008	2009
Total	16.45	15.57	14.23	24.36
Chemical	0.96	1.12	1.01	1.45
Marketing refining	3.03	3.37	2.84	6.49
Gas processing	8.37	7.13	6.78	9.60
Exploration and production	4.09	3.95	3.60	6.82

Source: Statistics Centre- Abu Dhabi

GHG: Green Houses Gas

#### 6.2.43. Carbon Dioxide (GHG) Emission from Oil Activities

(million ton)

Process	2005	2007	2008	2009
Total	23.03	23.43	22.39	40.01
Chemical	1.35	1.68	1.59	2.38
Marketing refining	4.24	5.07	4.47	10.66
Gas processing	11.71	10.73	10.67	15.77
Exploration and production	5.73	5.95	5.66	11.2

Source: Abu Dhabi National Oil Company - ADNOC

GHG: Green Houses Gas



**6.2.44. Carbon Dioxide Emissions from ADWEA's Power Plants**  
(Ton)

Company	2005	2008	2009
<b>Total</b>	<b>19,756,197</b>	<b>24,156,863</b>	<b>26,877,402</b>
Arabian Power Company	7,254,013	6,493,386	7,227,767
Shuweihat CMS International Power Company	2,308,354	4,583,075	5,246,715
Emirates CMS Power Company	2,660,939	2,571,800	2,390,229
Gulf Total Tractebel Power Company	3,047,553	3,872,441	3,869,928
Taweelah Asia Power Company	3,966,726	5,650,341	7,001,142
Al Mirfa Power and Distillation Plant	451,070	979,103	1,137,308
Madinat Zayed Power Plant	67,542	6,717	4,313

Source: Abu Dhabi Water and Electricity Authority

**6.2.45. Sulfur Dioxide Emissions from ADWEA's Power Plants**  
(Ton)

Company	2005	2007	2008	2009
<b>Total</b>	<b>1,141.07</b>	<b>5,606.26</b>	<b>1,233.47</b>	<b>5,383.04</b>
Arabian Power Company	841.00	3,208.00	706.00	4,104.00
Shuweihat CMS International Power Company	108.00	326.00	146.00	245.00
Emirates CMS Power Company	173.84	230.29	150.00	219.84
Gulf Total Tractebel Power Company	15.63	19.42	19.54	19.49
Taweelah Asia Power Company	-	1,819.00	207.00	789.00
Al Mirfa Power and Distillation Plant	2.26	3.42	4.90	5.69
Madinat Zayed Power Plant	0.34	0.13	0.03	0.02

Source: Abu Dhabi Water and Electricity Authority

### 6.2.46. Nitrogen Oxides Emissions from ADWEA's Power Plants

(Ton)

Company	2005	2007	2008	2009
Total	25,161.27	14,512.77	11,307.25	14,479.63
Arabian Power Company	18,510.00	6,761.00	3,324.00	5,710.00
Shuweihat CMS International Power Company	889.00	2,128.00	2,349.00	2,542.00
Emirates CMS Power Company	831.18	784.22	637.64	568.90
Gulf Total Tractebel Power Company	1,958.04	2,301.51	2,094.48	2,490.84
Taweelah Asia Power Company	2,368.00	1,710.00	1,752.00	1,836.00
Al Mirfa Power and Distillation Plant	526.25	796.95	1,142.29	1,326.86
Madinat Zayed Power Plant	78.80	31.09	7.84	5.03

Source: Abu Dhabi Water and Electricity Authority

### 6.2.47. VOC Emissions from ADWEA's Power Plants

(Ton)

Company	2005	2007	2008	2009
Total	167.06	210.59	224.29	231.03
Gulf Total Tractebel Power Company	143.29	178.06	179.10	178.70
Al Mirfa Power and Distillation Plant	20.67	31.31	44.88	52.13
Madinat Zayed Power Plant	3.10	1.22	0.31	0.20

Source: Abu Dhabi Water and Electricity Authority

### 6.2.48. Emissions from ADWEA's Power Plants

(Ton)

Pollutant	2005	2007	2008	2009
CO	3,505.66	6,476.93	4,896.82	5,360.69
CO <sub>2</sub>	19,756,197.17	23,616,997.84	24,156,863.36	26,877,401.72
NOx	25,161.27	14,512.77	11,307.25	14,479.63
SO <sub>2</sub>	1,141.07	5,606.26	1,233.47	5,383.04
VOC	167.06	210.59	224.29	231.03
Lead	0.02	0.02	0.02	0.02
Methane	69.94	88.16	93.89	96.61

Source: Abu Dhabi Water and Electricity Authority

### 6.2.49. Noise level by Region, 2008

(decibels)

Location	Average	Maximum	Minimum
<b>Abu Dhabi</b>			
Down Town-Kadejah School	58	65	52
Urban/ Residential -Khalifa school	51	66	46
Road Side-Hamdan Street	69	75	62
Urban/ Residential-Baniyas School	49	74	41
Industrial-Mussafah	55	66	43
<b>Al Ain</b>			
Urban/ Residential -Al Ain Islamic Institute	50	58	45
Road Side-Al Ain street	62	71	51
<b>Western Region</b>			
Urban/ Residential-Bida Zayed	53	70	48
Down Town-Gayathi School	51	63	45
Regional Background-Liwa Oasis	54	68	42

Source: Environment Agency - Abu Dhabi

# Water

The Emirate of Abu Dhabi pays particular attention to the water activity as an essential element in meeting various human needs and contributing to economic and social development and sustainable environmental development. Excessive consumption of this valuable resource is one of the serious problems that confront international policies and governments, especially in view of the worldwide population growth.

Therefore, there is a growing interest at various levels in rectifying this situation, with increasingly heeded voices calling upon both individuals and society at large to shoulder their responsibility in rationalising water consumption. In 2009, the number of operating artesian wells in the Emirate of Abu Dhabi was 65,290 compared to 31,330 non-operating wells. The rate of groundwater pumping reached 527,926 million gallons in 2009. The Western region was the lowest producer (3.9%) of treated wastewater in 2009, while Abu Dhabi region ranked top in this regard, producing 77% of the Emirate's total treated water.

## 6.2.50. Number of Working and Non Working Wells , 2008

Region	2005	2007	2008	2009
<b>Abu Dhabi Emirate</b>				
Working Wells	74,870	71,290	69,250	65,290
Not Working Wells	41,050	36,270	34,840	31,330
<b>Abu Dhabi</b>				
Working Wells	4,240	3,880	3,780	2,980
Not Working Wells	2,130	1,540	1,160	1,100
<b>Al Ain</b>				
Working Wells	41,650	40,870	39,820	35,460
Not Working Wells	22,250	19,600	18,760	16,350
<b>Western Region</b>				
Working Wells	28,980	26,540	25,650	26,850
Not Working Wells	16,670	15,130	14,920	13,880

Source: Environment Agency - Abu Dhabi

## 6.2.51. Average Ground Water Withdrawing Rates

(Million Gallons)

Region	2005	2007	2008	2009
Abu Dhabi Emirate	629,579.8	587,057.9	568,741.6	527,926
Abu Dhabi	34,805.3	29,614.6	26,991.8	22,292.8
Al Ain	345,345.6	329,761	320,077.7	283,086.8
Western Region	249,428.9	227,682.4	221,672.1	222,546.3

Source: Environment Agency - Abu Dhabi

**6.2.52. Quantity of Sewage Generated and Treated**  
(MCM)

Region	2005	2007	2008	2009
Abu Dhabi Emirate	157.5	191.5	217.1	219.6
Abu Dhabi	119.7	142.9	158.4	168.7
Al Ain	33.7	41.5	51.3	42.35
Western Region	4.1	7.1	7.4	8.5

Source: Abu Dhabi Sewerage Services Company

**6.2.53. Quantity of Sewage Treated and Reused**  
(MCM)

Region	2005	2007	2008	2009
Abu Dhabi Emirate	103.0	117.3	133.0	147.7
Abu Dhabi	69.7	74.2	82.2	99.8
Al Ain	31.9	37.8	45.3	40.63
Western Region	1.4	5.3	5.5	7.3

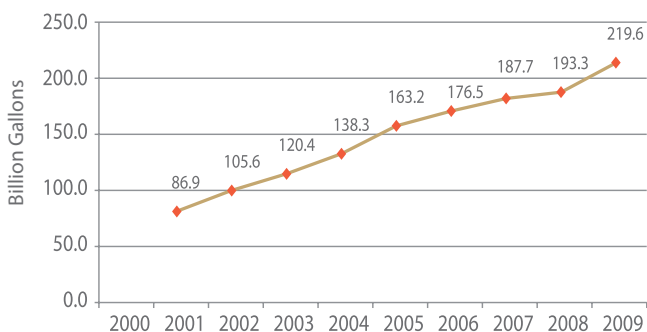
Source: Abu Dhabi Sewerage Services Company

**6.2.54. Total Consumption of Water Used to Irrigate Agricultural Areas**

Record	2007	2008	2009
Under ground water consumption (Million Gallons)	587,057.9	568,741.6	527,926
Desalinated water consumption (Million Gallons)	2,892.1	5,821.2	5943.6
Waste water reuse (Million Gallons)	25,775.5	29,233.9	32,489.4
Total (Million Gallons)	615,725.6	603,796.7	566,359.0
Agricultural area ( Hectare)	70,374.8	73,151.2	73,795.7
Water consumption per hectare (Gallons)	8,749,234.1	8,254,091.5	7,674,688.4
Savings ratio for the irrigation of agricultural areas	-	5.66	7.01

Source: Environment Agency, Department of Municipal and Agriculture, Abu Dhabi Sewerage Services Company, Al Ain Distribution Company, Abu Dhabi Distribution Company

**Figure 6.2.5. Production of Desalinated Water by Year**



### 6.2.55. Total Waste Water Treatment Plant Capacity

(MCM)

Region	2005	2007	2008	2009
Total	135.774	135.774	135.774	183.198
Abu Dhabi	95.872	95.872	95.872	130.320
Al-Ain	29.426	29.426	29.426	41.585
Western Region	10.476	10.476	10.476	11.293

Source: Abu Dhabi Sewerage Services Company

### 6.2.56. Conventional Treatment Plants

(MCM)

Region	2005	2007	2008	2009
Total	134.391	134.391	134.391	171.605
Abu Dhabi	95.872	95.872	95.872	124.845
Al-Ain	29.211	29.211	29.211	35.690
Western Region	9.308	9.308	9.308	11.070

Source: Abu Dhabi Sewerage Services Company

### 6.2.57. Non-Conventional Treatment Plants

(MCM)

Region	2005	2007	2008	2009
Total	1.383	1.383	1.383	11.593
Abu Dhabi	-	-	-	5.475
Al-Ain	0.215	0.215	0.215	5.895
Western Region	1.168	1.168	1.168	0.223

Source: Abu Dhabi Sewerage Services Company

## Waste

Waste management is one of the environmental issues that raise the concerns of many countries and decision-makers across the globe, in view of the severe damage to human health and the adverse impact on the environment that can result from improper disposal of waste. Waste also has economic importance since it contains a wide variety of materials that can be recovered for recycling, thereby saving energy and helping to preserve natural resources.

In 2008 the amount of waste transferred to disposal sites in the Emirate of Abu Dhabi was 4.892 million tons, out of which 96% was land filled. The demolition and construction activity accounts for 70% of total waste generated. The emirate of Abu Dhabi as a whole generated more than 13,000 tons of waste per day, or about five million tons annually.

### 6.2.58. Estimates of Waste Streams by Region and Type of Source Activity, 2008

(Ton)

Source	Total	Abu Dhabi	Al Ain	Western Region
Grand Total	4,891,528	2,531,211	857,251	1,503,066
Total (daily Ton)	13,401	6,935	2,349	4,118
MSW	780,609	411,889	82,408	286,312
Industrial	137,368	49,893	21,599	65,876
Commercial	243,191	126,425	35,099	81,667
D and C	3,436,231	1,885,099	671,276	879,856
Green / Agriculture	294,129	57,905	46,869	189,355

Source: Waste Management Centre - Abu Dhabi

### 6.2.59. Quantity of Waste by Disposal / Treatment Type, 2008

(Ton)

Waste disposal and Treatment	Total Quantity	Quantity / day	%
Total	4,891,528	13,401	100
Recycled	16,138	44	0.33
Compost	131,644	361	2.69
Landfill	4,730,962	12,962	96.72
Incineration	784	2	0.02
Estimated Industrial Treatment	12,000	33	0.24

Source: Waste Management Centre - Abu Dhabi

# Safety and Health

Health and safety statistics include food safety and food poisoning figures that affect human health and nutrition. They also include statistics on occupational health and safety that gives a clear picture of the sectors where occupational accidents and injuries occur so that appropriate measures can be taken to reduce the incidence of such mishaps through effective security and safety systems. In 2009, there were 82 cases of fatal occupational accidents in the Emirate of Abu Dhabi, 26 of which were the result of occupational road accidents, i.e. 6% of total road accidents. There were 677 cases of poisoning caused by consuming foods or drinks contaminated with bacteria and viruses. Salmonella accounted for the largest share of poisoning cases, claiming 205 victims or 30% of the total cases of poisoning during the period under review.

## 6.2.60. Number of Food Poisoning Cases by Type of Infection and Nationality, 2009

Type of Poisoning	Rate/ 100,000	National	Non-Nationals	Total
Total	41.18	107	570	677
Para Typhoid	1.82	4	26	30
Typhoid	8.09	16	117	133
Salmonella	12.47	22	183	205
Other food Poison	18.80	65	244	309

Source: Health Authority - Abu Dhabi

## 6.2.61. Number of Injuries

Injury Category	2007	2008	2009
Total	527	498	538
Road Traffic Injury (RTI)	427	422	430
Occupational Injury	66	8	82
Occupational RTI	34	68	26

Source: Health Authority- Abu Dhabi



### 6.2.62. Health and Safety Statistics for the Oil Sector

Particulars	2005	2007	2008	2009
Exposure hours (million Hours)	171	230	298	313
Fatality	6	4	4	7
FAR	3.5	1.74	1.34	2.23
Disability	0	2	2	1
Fatality-Non-recordable	-	5	9	7
LTIs	53	58	68	75
Lost Days	1952	2081	1663	2372
LTIF	0.31	0.25	0.23	0.24
RWDC	41	53	50	44
TRIR	1.27	1.09	0.79	0.68
3rd Party Accidents	0	0	0	0

Source: Abu Dhabi National Oil Company - ADNOC

### 6.2.63. Health and Safety Statistics for the Water and Electricity Sector

Particulars	2006	2007	2008
Exposure hours (million Hours)	16.29	17.50	21.34
Fatality	1	0	1
FAR	0.06	0	0.04
Disability	0	0	0
Fatality-Non-recordable	0	0	0
LTIs	12	9	15
Lost Days	232	186	250
LTIF	0.75	0.51	0.7
RWDC	15	7	0
TRIR	2.64	2.4	2.07
3rd Party Accidents	1	1	1

Source: Abu Dhabi Water and electricity Authority

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