



مرکز الإحصاء
STATISTICS CENTRE



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Introduction

This report presents statistics on registered live births in Abu Dhabi Emirate during 2016. Statistics on live births in the years 2006, 2011 and 2015 are included for comparison and to show trends in fertility. It contains numbers of live births by citizenship, region and months, sex ratios at birth, in addition to fertility rates by citizenship and region.

The first section provides a brief summary of the key statistics supported by figures to highlight trends, regional variation and seasonal patterns.

The second section provides detailed statistical tables for readers who wish to analyse the data more closely.

The main source for these statistics is the Health Authority - Abu Dhabi (HAAD). SCAD acknowledges the productive partnership with HAAD which aims to continue improve the coverage and quality of birth statistics.

The Explanatory Notes section at the end of this report provides an explanation of the key terms and technical concepts used for births and fertility. Readers are encouraged to refer to that section in conjunction with reading the statistics and information outlined in the report.

Key Indicators, Abu Dhabi Emirate, 2016

Live births	39,731
Citizens	16,732
Non-citizens	22,911
Sex Ratio at Birth (males per 100 females)	104.1
Citizens	105.3
Non-citizens	103.3
Crude Birth Rate (per 1,000 population)	13.7
Citizens	30.3
Non-citizens	9.7
General Fertility Rate (births per 1000 women 15 to 49 years)	53.8
Citizens	116.9
Non-citizens	38.5
Total Fertility Rate	1.5
Citizens	3.7
Non-citizens	1.0

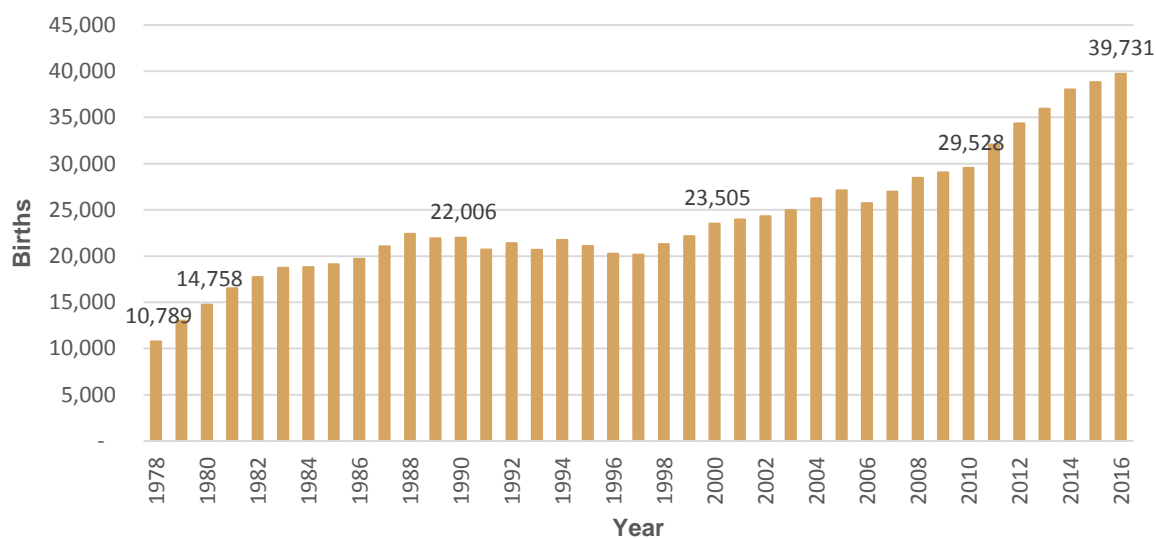
Key Points

- There were 39,731 live births registered in Abu Dhabi Emirate in 2016, compared with 25,738 in 2006, representing a rise of 54.4% during last 10 years.
- The Crude Birth Rate was 13.7 births (per 1000 population) in 2016, decreasing from 17.2 births in 2006.
- In 2016, the General Fertility Rate was 53.8 births per 1000 women of reproductive age (15-49 years), decreasing from 78.5 births in 2011.

Main Trends

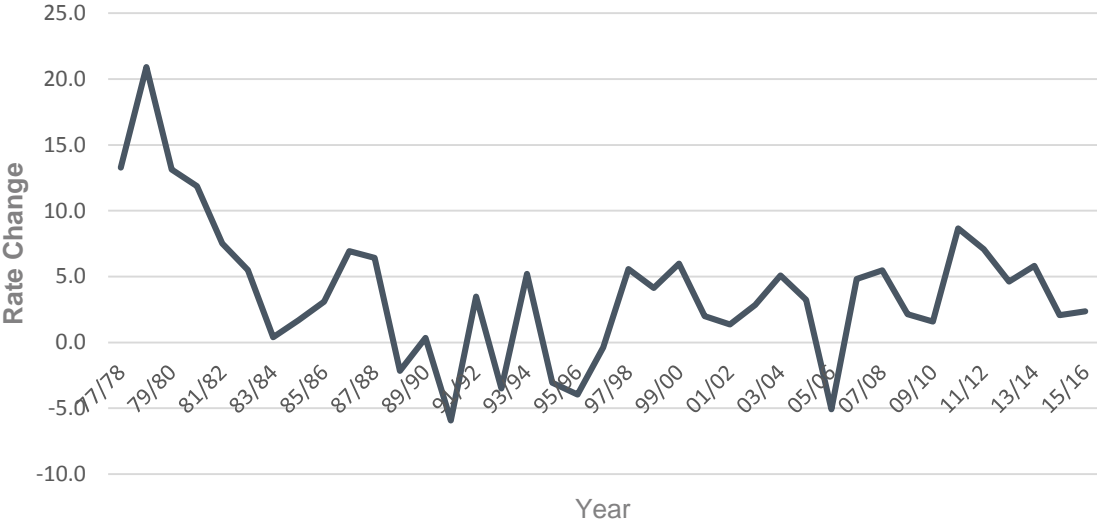
- Administrative records show a rise in registered live births in Abu Dhabi Emirate. The total number of live births in 1977 was 9,524. Live births increased significantly in the period to 2016 reaching 39,731 live births, representing an increase of four times during this period reaching 317.2%.

Figure 1- A: Live Births, Abu Dhabi Emirate, 1978 to 2016



Source: Ministry of Health (1977-2006), Health Authority – Abu Dhabi (2006-2016)

Figure 1- B: Annual Rate of Change in Live Births, Abu Dhabi Emirate, 1980 to 2016

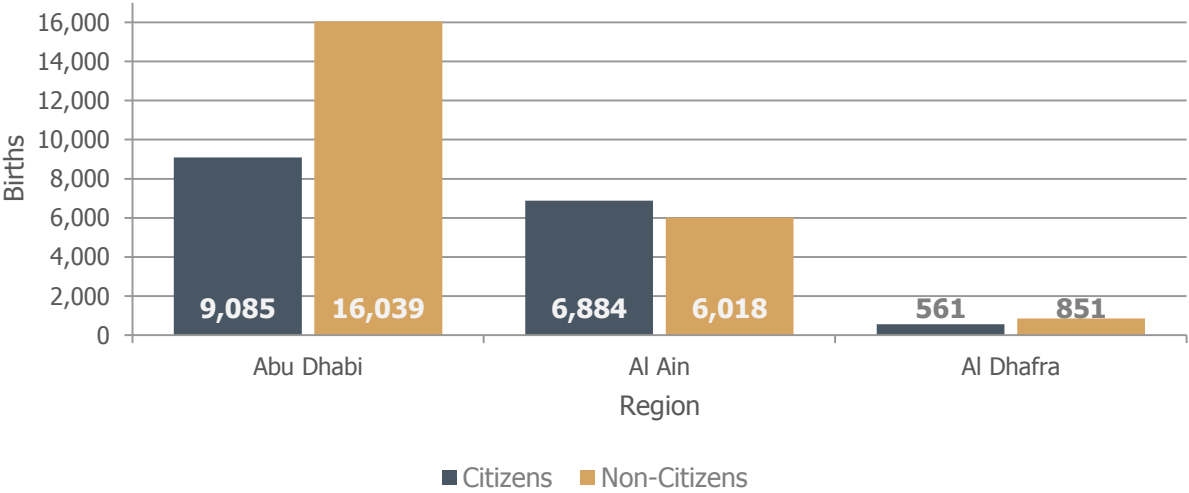


Source: Statistics Centre - Abu Dhabi

Live Births by Citizenship and Region

- In 2016, nearly half of citizen babies were born in Abu Dhabi Region with 54.3%, followed by Al Ain Region with 41.1%, and Al Dhafra Region with 3.4% of the total citizen births.
- With respect to non-citizen births, Abu Dhabi Region accounted for more than of two-thirds (68.1%), Al Ain Region for more than one-quarter (27.1%), while the percentage in Al Dhafra Region was 4.2%.

Figure 2: Live Births by Citizenship and Region, Abu Dhabi Emirate, 2016

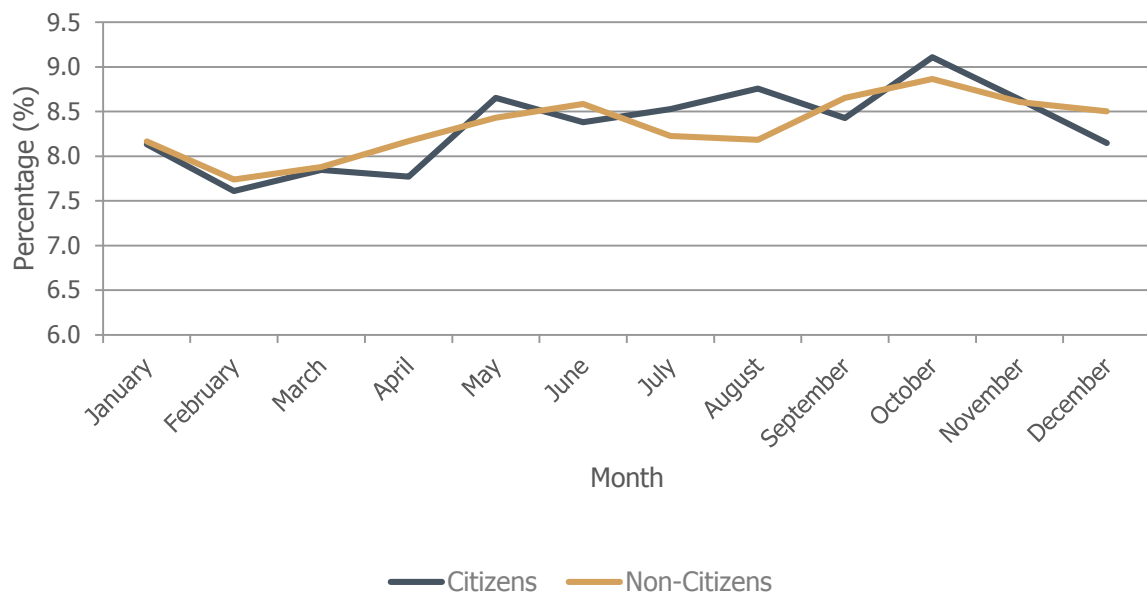


Source: Health Authority – Abu Dhabi

Live Births by Months

- In 2016, births peaked in October with 3,563 live births (9.1%).
- The lowest proportion of births occurred in February with 7.7%, with 3,053 births occurring in February.

Figure 3: Percentage Distribution of Live Births by Month and Citizenship, Abu Dhabi Emirate, 2016



Source: Statistics Centre - Abu Dhabi

Sex Ratio at Birth

- Statistics of the Emirate of Abu Dhabi show that the Sex Ratio at Birth for total births ranged from 104.8 males per 100 females in 2006 to 104.1 in 2016.
- With respect to citizen births, the sex ratio was 103.3, 103.1, 104.7 for 2006, 2011 and 2015 respectively. It increased again to 105.3 in 2016.
- The sex ratio for non-citizen births was 106.2 in 2006, decreasing to 103.9 in 2011, and then declining to 106.4 in 2015 and increasing to 103.3 in 2016.

Figure 4: Sex Ratio at Birth for Citizens, Abu Dhabi Emirate, 1978 to 2016



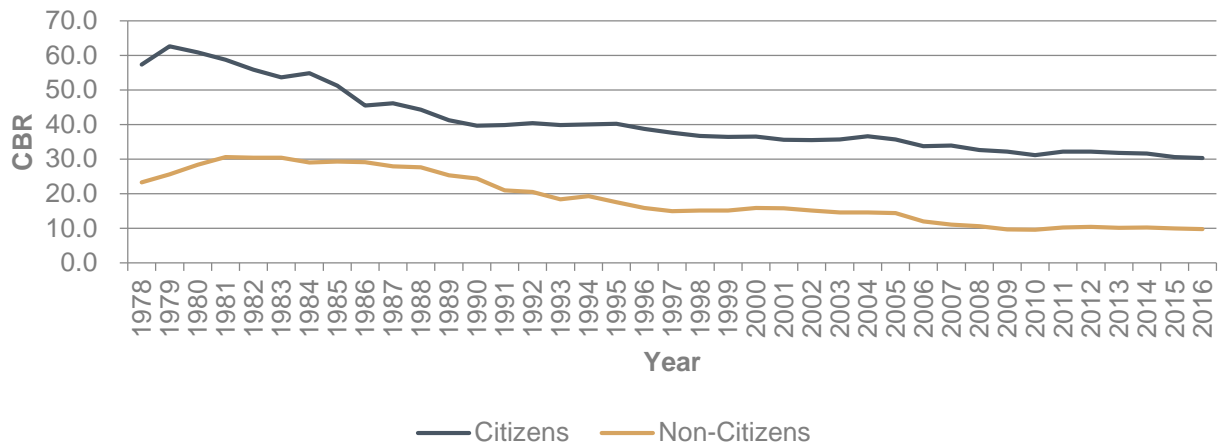
Source: Statistics Centre - Abu Dhabi

Crude Birth Rate

- The Crude Birth Rate (CBR) in 2006 was 17.2 births per 1000 population, dropping to 14.7 in 2011, before declining to 13.7 births per 1000 population in 2016.
- Declining CBR were experienced in both the citizen and non-citizen populations. The CBR for citizens decreased from 39.8 in 2006 to 30.3 in 2016.
- With respect to non-citizens, there was a decline from 15.3 in 2006 to 9.7 in 2016 in CBR.

Figure 5: Crude Birth Rate by Citizenship, Abu Dhabi Emirate, 1978 to 2016

(Per 1000 population)

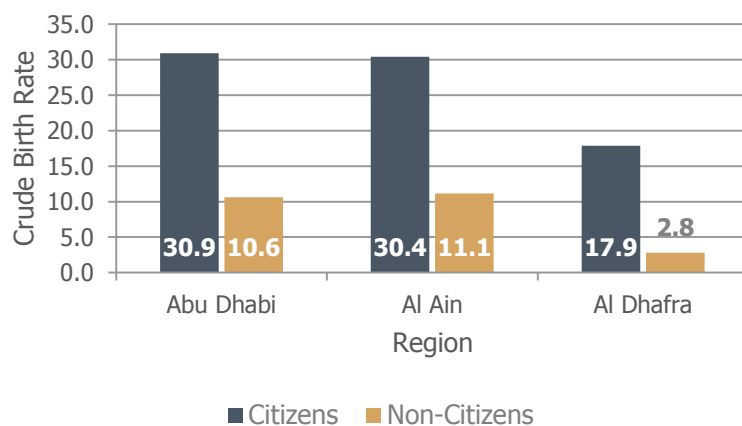


Source: Statistics Centre - Abu Dhabi

- CBR varies by citizenship and region. For citizens, the CBR was highest in Abu Dhabi Region at 30.9 births per 1000 population and the lowest in Al Dhafra Region with 17.9.
- The CBR for non-citizens reached its maximum in Al Ain Region with 11.1 births per 1000 population, while the lowest rate was in Al Dhafra Region with 2.8.

Figure 6: Crude Birth Rate by Citizenship and Region, Abu Dhabi Emirate, 2016

(Births per 1000 population)



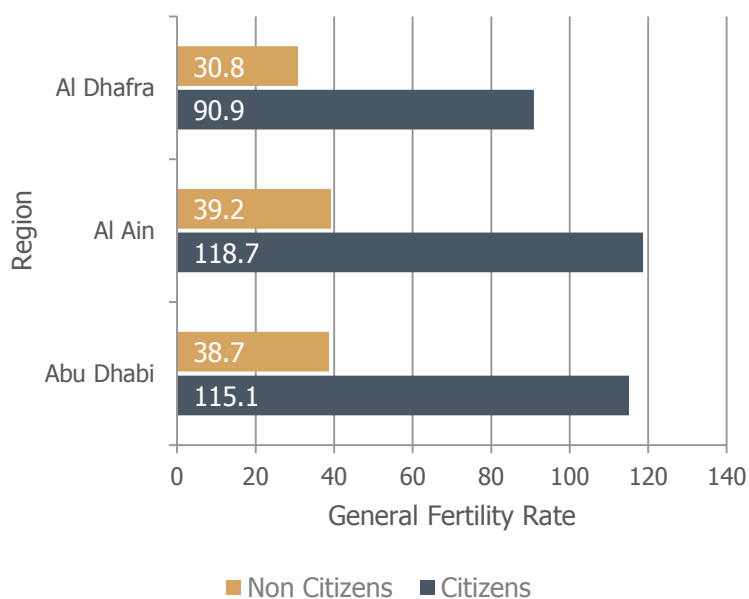
Source: Statistics Centre - Abu Dhabi

General Fertility Rate

- General Fertility Rate (GFR) shows that for every 1000 female citizens within the reproductive age (15-49 years) there were 116.9 babies born, and for every 1000 female non-citizens within the reproductive age (15-49 years) there were 38.5 babies born.
- By comparing GFR among regions, Al Ain Region witnessed the highest GFR with 118.7 births per 1000 citizen females within the reproductive age and 39.2 births for non-citizen females.
- The GFR is the lowest in Al Dhafra Region with 90.9 births per 1000 female citizens and 30.8 per 1000 female non-citizens.

Figure 7: General Fertility Rate by Region and Citizenship, Abu Dhabi Emirate, 2016

(Births per 1000 women aged 15 - 49 years)

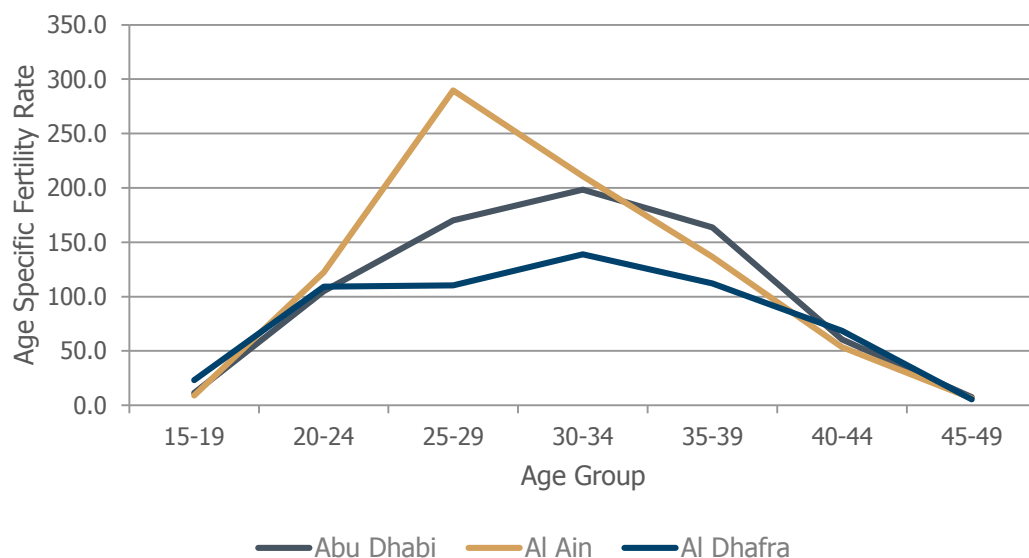


Source: Statistics Centre - Abu Dhabi

Age-Specific Fertility Rates

- In 2016, the ASFR for the age group 15 - 19 years was 8.7 for the Emirate, which means that there were almost 10 babies born per 1000 women in this teenage group.
- The ASFR reached its peak in the age group 30 - 34 years with 84.4 births per 1000 women. Only 2.6 babies were born per 1000 women aged 45 - 49 years.
- Al Ain Region reported 289.7 births per 1000 female citizens in the age group 25 - 29 years and 210.8 for female citizens 30 - 34 years.

Figure 8: Age-Specific Fertility Rates for Citizens by Age Group and Region, Abu Dhabi Emirate, 2016

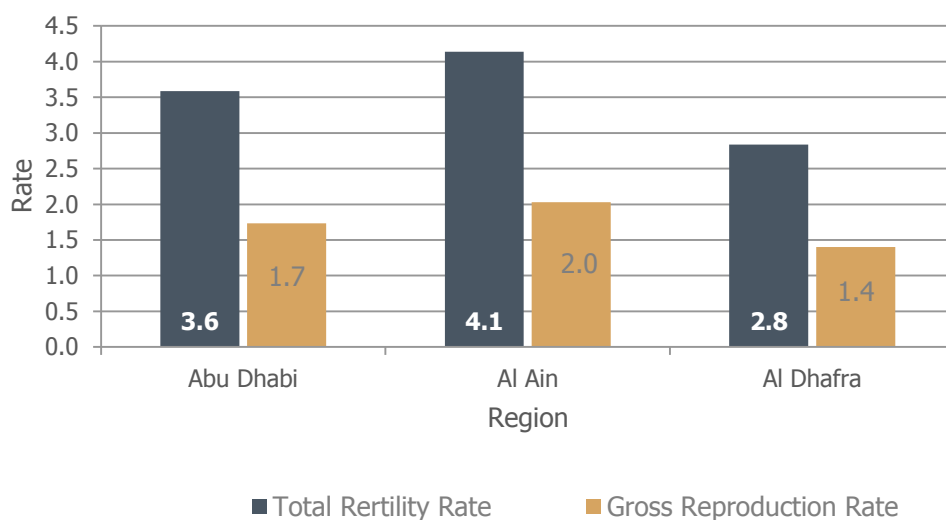


Source: Statistics Centre - Abu Dhabi

Total Fertility Rate

- In 2016, Total Fertility Rate (TFR) in Abu Dhabi Emirate reached 1.5 babies per woman of reproductive age (15 - 49 years). This indicator varies from one region to another. The TFR in Al Dhafra Region was 1.2, 1.5 in Abu Dhabi Region, and 2.1 in Al Ain Region.
- The TFR for citizens was 3.7 for Abu Dhabi Emirate, while the TFR was 1.0 for non-citizens.
- The TFR for citizens in Al Ain Region was the highest with 4.1 babies per woman followed by Abu Dhabi and Al Dhafra Region with 3.6 and 2.8 babies respectively.
- On the other hand, the Gross Reproduction Rate (GRR) in Abu Dhabi Emirate was 1.8 female children per woman during her reproductive life, and this means that the generation of females who have been born in 2016 is able to replace the generation of mothers. The GRR for citizens in Al Ain Region was the highest with 2.0 babies per woman followed by Abu Dhabi and Al Dhafra Region with 1.7 and 1.4 babies respectively.

Figure 9: Total Fertility Rate and Gross Reproduction Rate for Female Citizens by Region, Abu Dhabi Emirate, 2016



Source: Statistics Centre - Abu Dhabi

Statistical Tables

Table 1: Births by Citizenship, Gender and Region, Abu Dhabi Emirate, 2016

(Live births)

Citizenship / Gender	Abu Dhabi Region	Al Ain Region	Al Dhafra Region	Abu Dhabi Emirate
Grand Total	25,179	12,925	1,413	39,731*
Males	12,896	6,564	706	20,268
Females	12,283	6,361	707	19,463
Citizens	9,085	6,884	561	16,732
Males	4,700	3,498	287	8,581
Females	4,385	3,386	274	8,151
Non-Citizens	16,039	6,018	851	22,911
Males	8,166	3,054	418	11,640
Females	7,873	2,964	433	11,271

*Including 214 born outside U.A.E. and 88 not stated Citizenship.

Source: Health Authority – Abu Dhabi

Table 2-A: Births by Month, Citizenship and Gender, Abu Dhabi Emirate, 2016

(Live births)

Month	Gender & Citizenship								
	Citizens			Non-Citizens			Total		
	Males	Females	Total	Males	Females	Total	Males	Females	Total
Total	8,581	8,151	16,732	11,687	11,312	22,999	20,268	19,463	39,731
January	698	663	1,361	954	924	1,878	1,652	1,587	3,239
February	669	604	1,273	888	892	1,780	1,557	1,496	3,053
March	650	663	1,313	934	878	1,812	1,584	1,541	3,125
April	693	607	1,300	985	894	1,879	1,678	1,501	3,179
May	748	700	1,448	970	969	1,939	1,718	1,669	3,387
June	748	654	1,402	1,010	964	1,974	1,758	1,618	3,376
July	750	677	1,427	972	920	1,892	1,722	1,597	3,319
August	757	708	1,465	913	969	1,882	1,670	1,677	3,347
September	708	702	1,410	1,014	976	1,990	1,722	1,678	3,400
October	776	748	1,524	1,017	1,022	2,039	1,793	1,770	3,563
November	705	740	1,445	1,004	975	1,979	1,709	1,715	3,424
December	679	684	1,363	1,026	929	1,955	1,705	1,613	3,318

.Source: Health Authority – Abu Dhabi

Table 2-B: Distribution of Births by Month, Citizenship and Gender, Abu Dhabi Emirate, 2016

(%)

Month	Gender & Citizenship								
	Citizens			Non-Citizens			Total		
	Males	Females	Total	Males	Females	Total	Males	Females	Total
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
January	8.1	8.1	8.1	8.2	8.2	8.2	8.2	8.2	8.2
February	7.8	7.4	7.6	7.6	7.9	7.7	7.7	7.7	7.7
March	7.6	8.1	7.8	8.0	7.8	7.9	7.8	7.9	7.9
April	8.1	7.4	7.8	8.4	7.9	8.2	8.3	7.7	8.0
May	8.7	8.6	8.7	8.3	8.6	8.4	8.5	8.6	8.5
June	8.7	8.0	8.4	8.6	8.5	8.6	8.7	8.3	8.5
July	8.7	8.3	8.5	8.3	8.1	8.2	8.5	8.2	8.4
August	8.8	8.7	8.8	7.8	8.6	8.2	8.2	8.6	8.4
September	8.3	8.6	8.4	8.7	8.6	8.7	8.5	8.6	8.6
October	9.0	9.2	9.1	8.7	9.0	8.9	8.8	9.1	9.0
November	8.2	9.1	8.6	8.6	8.6	8.6	8.4	8.8	8.6
December	7.9	8.4	8.1	8.8	8.2	8.5	8.4	8.3	8.4

Source: Statistics Centre – Abu Dhabi

Table 3: Sex Ratio at Birth by Year and Citizenship, Abu Dhabi Emirate, 2006, 2011, 2015 and 2016

(Males per 100 Females)

Year	Citizens	Non-Citizens	Total
2006	103.3	106.2	104.8
2011	103.1	103.9	103.5
2015	104.7	106.4	105.7
2016	105.3	103.3	104.1

Source: Statistics Centre – Abu Dhabi

Table 4: Sex Ratio at Birth by Citizenship and Region, Abu Dhabi Emirate, 2016

(Males per 100 Females)

Citizenship	Abu Dhabi Region	Al Ain Region	Al Dhafra Region	Abu Dhabi Emirate
Grand Total	105.0	103.2	99.9	104.1
Citizens	107.2	103.3	104.7	105.3
Non-Citizens	103.7	103.0	96.5	103.3

Source: Statistics Centre – Abu Dhabi

Table 5: Crude Birth Rate by Citizenship, Abu Dhabi Emirate, 2006, 2011, 2015 and 2016

(Births per 1000 population)

Citizenship	2006	2011	2015	2016
Total	17.2	14.8	13.9	13.7
Citizens	33.7	32.2	30.6	30.3
Non-Citizens	12.0	10.2	10.0	9.7

Source: Statistics Centre – Abu Dhabi

Table 6: Crude Birth Rate by Citizenship and Region, Abu Dhabi Emirate, 2016

(Births per 1000 population)

Citizenship	Abu Dhabi Region	Al Ain Region	Al Dhafra Region	Abu Dhabi Emirate
Grand Total	13.9	16.9	4.2	13.7
Citizens	30.9	30.4	17.9	30.3
Non-Citizens	10.6	11.1	2.8	9.7

Source: Statistics Centre – Abu Dhabi

Table 7: General Fertility Rate by Citizenship and Region, Abu Dhabi Emirate, 2016

(Births per 1000 women aged 15 - 49 years)

Citizenship	Abu Dhabi Region	Al Ain Region	Al Dhafra Region	Abu Dhabi Emirate
Total	51.0	61.1	41.8	53.8
Citizens	115.1	118.7	90.9	116.9
Non-Citizens	38.7	39.2	30.8	38.5

Source: Statistics Centre – Abu Dhabi

Table 8: Age Specific Fertility Rate by Age-group and Region, Abu Dhabi Emirate, 2016

(Births per 1000 women aged 15-49 years)

Age	Abu Dhabi Region	Al Ain Region	Al Dhafra Region	Abu Dhabi Emirate
19-15	8.6	8.2	13.3	8.7
24-20	42.0	54.2	42.8	46.2
29-25	74.9	90.7	55.4	78.7
34-30	79.5	98.8	67.7	84.4
39-35	55.9	74.6	40.2	60.5
44-40	19.1	30.3	19.6	22.3
49-45	2.2	3.5	1.4	2.6

Source: Statistics Centre – Abu Dhabi

Table 9: Age Specific Fertility Rates for Citizens by Age-group and Region, Abu Dhabi Emirate, 2016

(Births per 1000 women aged 15-49 years)

Age	Abu Dhabi Region	Al Ain Region	Al Dhafra Region	Abu Dhabi Emirate
19-15	11.3	8.9	23.1	10.7
24-20	105.0	122.3	109.3	113.0
29-25	170.2	289.7	110.2	203.9
34-30	198.5	210.8	138.8	202.7
39-35	163.8	136.5	112.2	151.7
44-40	60.5	53.4	68.4	58.6
49-45	7.7	6.2	5.4	7.6

Source: Statistics Centre – Abu Dhabi

Table 10: Age Specific Fertility Rates for Non-Citizens by Age group and Region, Abu Dhabi Emirate, 2016

(Births per 1000 women aged 15-49 years)

Age	Abu Dhabi Region	Al Ain Region	Al Dhafra Region	Abu Dhabi Emirate
19-15	7.4	7.5	9.4	7.5
24-20	27.5	29.7	27.2	28.1
29-25	58.2	52.1	43.0	55.9
34-30	62.4	63.2	53.4	62.2
39-35	38.8	48.5	28.0	40.6
44-40	12.3	20.4	11.0	14.1
49-45	1.2	2.0	0.6	1.3

Source: Statistics Centre – Abu Dhabi

Table 11: Total Fertility Rate by Citizenship and Region, Abu Dhabi Emirate, 2016

(Children per Woman)

Citizenship	Abu Dhabi Region	Al Ain Region	Al Dhafra Region	Abu Dhabi Emirate
Total	1.4	1.8	1.2	1.5
Citizens	3.6	4.1	2.8	3.7
Non-Citizens	1.0	1.1	0.9	1.0

Source: Statistics Centre – Abu Dhabi

Table 12: Gross reproduction Rate by Citizenship and Region, Abu Dhabi Emirate, 2016

(Female Children per Woman)

Citizenship	Abu Dhabi Region	Al Ain Region	Al Dhafra Region	Abu Dhabi Emirate
Total	0.7	0.9	0.6	0.7
Citizens	1.7	2.0	1.4	1.8
Non Citizens	0.5	0.6	0.4	0.5

Source: Statistics Centre – Abu Dhabi

Table 13: Population Estimates by Region, Citizenships and Gender, Abu Dhabi Emirate, Mid 2016

(Persons)

Gender / Citizenship	Abu Dhabi Region	Al Ain Region	Al Dhafra Region	Abu Dhabi Emirate
Grand Total	1,807,236	766,936	334,001	2,908,173
Males	1,121,963	451,754	283,901	1,857,618
Females	685,273	315,182	50,100	1,050,555
Citizens	293,860	226,285	31,390	551,535
Males	147,713	115,574	19,345	282,632
Females	146,147	110,711	12,045	268,903
Non-Citizens	1,513,376	540,651	302,611	2,356,638
Males	974,250	336,180	264,556	1,574,986
Females	539,126	204,471	38,055	781,652

Source: Statistics Centre – Abu Dhabi

Explanatory Notes

Glossary

This report contains certain terms specific to births and fertility. They include the following terms:

Median age of mother

The median age of mother measures the median age of females who gave birth in a particular year.

Live Birth

A live birth occurs when the baby shows evidence of life such as breathing or heartbeat.

“A live birth is the result of the complete expulsion or extraction from its mother of a product of conception, irrespective of the duration of pregnancy, which after such separation, breathes or shows any other evidence of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles, whether or not the umbilical cord has been cut or the placenta is attached; each product of such a birth is considered live-born.” (Source: Glossary, Principles and Recommendations for a Vital Statistics System, Revision 2, United Nations, 2001b.)

Gross Reproduction Rate

Average number of daughters that would be born to a woman during her lifetime if she passed through her reproductive years conforming to the age-specific fertility rates of a given year.

$$5 * \frac{\sum \text{Age Specific Fertility Rate (5 age group)}}{\text{Number of live births daughters during the year}}$$

General Fertility Rate

It is a measure relating the births in a calendar year to the population most likely to give birth. It is expressed as the number of live births per 1000 women aged 15 to 49 years.

$$\frac{\text{Number of live births}}{\text{Total Women population aged (15–49 years) in mid year}} * 1000$$

Total Fertility Rate

It is a common fertility measure describing the average number of children a woman would bear over the course of her lifetime, if current age-specific fertility rates remained constant throughout her reproductive years (15-49 years). Its calculation assumes that there is no mortality. It is expressed as children per woman.

$$5 * \sum \text{Age Specific Fertility Rate (5 age group)}$$

Age-Specific Fertility Rate

The age-specific fertility rate measures the annual number of registered births to women of a specified age or age group per 1000 women in that age group.

For calculating these rates, births are for calendar years divided by the mid-year population.

Births to mothers under 15 years are included in the 15 to 19 years age group, and births to mothers aged 50 years and over are included in the 45 to 49 years age group.

$$\frac{\text{Number of live births in specific age}}{\text{Total Women population in mid year of the specific age}} * 1000$$

Crude Birth Rate

It is the simplest measure of fertility. The Crude Birth Rate is the number of live births registered during the calendar year divided by the total estimated resident population at 30 June of that year. It is expressed as the number of births per 1000 population.

$$\frac{\text{Number of live births}}{\text{Total population in mid year}} * 1000$$

Sex Ratio at Birth

The ratio of gender among births during a calendar year is expressed as the number of male live-born per 100 female live births.

$$\frac{\text{Number of male live births}}{\text{Number of female live births}} * 100$$

Data sources

Data are obtained from HAAD as preliminary data for 2016 in May 2016. The data are processed and passed to Statistics Centre – Abu Dhabi for further editing and compilation.

Technical notes

Base Population: Population for Abu Dhabi Emirate and its regions are based on mid-year population estimates.

Occurrences and registrations: Births are based on place of registration and not by place of usual residence of mother.

HAAD improved the data collection method by conducting a new notification process system that led to a significant difference in 2011 and 2012 compared to previous years. This system was tested in mid 2011.

More information and next release

For more information about Births, Fertility and other official statistics, please visit the statistics link on the SCAD website at <http://www.scad.ae>. The next release is expected in October 2018.

Abbreviations used

ASFR Age-Specific Fertility Rate

CBR Crude Birth Rate

GFR General Fertility Rate

HAAD Health Authority – Abu Dhabi

SCAD Statistics Centre – Abu Dhabi

رؤيتنا: الريادة والابتكار في الإحصاء
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