

2020



مركز الإحصاء
STATISTICS CENTRE

Birth Statistics

2019

Date of Release: October 2020
Publication reference code: NSP.S.03.P1



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Introduction

This report presents statistics on registered live births in Abu Dhabi Emirate during 2019. 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 Department of Health - Abu Dhabi (DOH). SCAD acknowledges the productive partnership with DOH 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, 2019

Live births	37,160
Citizens	16,670
Non-citizens	20,434
Sex Ratio at Birth (males per 100 females)	107.2
Citizens	109.6
Non-citizens	105.2
Crude Birth Rate (per 1,000 population)	14.5
Citizens	27.5
Non-citizens	10.4
General Fertility Rate (births per 1000 women 15 to 49 years)	52.7
Citizens	104.7
Non-citizens	37.5
Total Fertility Rate	1.5
Citizens	3.5
Non-citizens	1.0

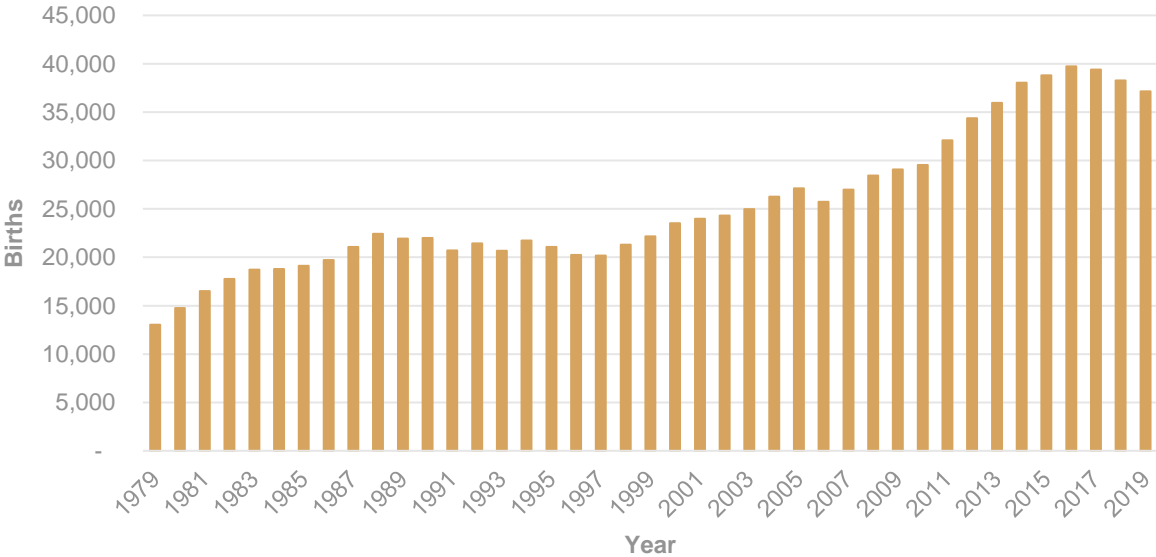
Key Points

- There were 37,160 live births registered in Abu Dhabi Emirate in 2019, compared with 29,068 in 2009, representing a rise of 27.8% during last 10 years.
- The Crude Birth Rate was 14.5 births (per 1000 population) in 2019, increasing from 14.3 births in 2009.
- In 2019, the General Fertility Rate was 52.7 births per 1000 women of reproductive age (15-49 years), decreasing from 78.5 births in 2011.

Main Trends

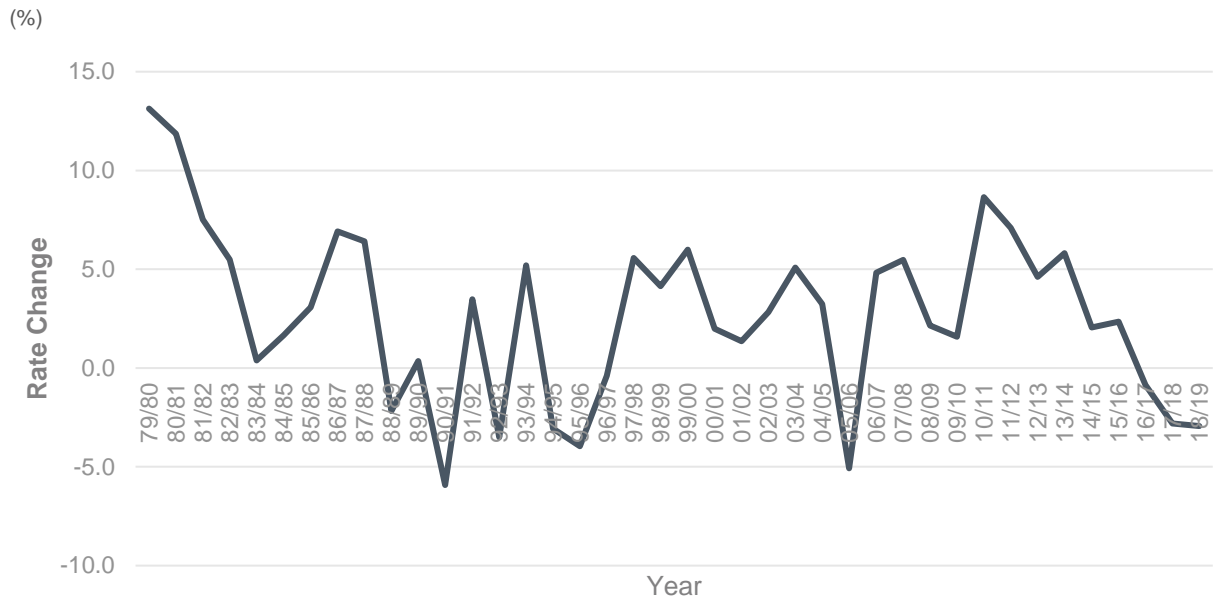
- Administrative records show a rise in registered live births in Abu Dhabi Emirate. The total number of live births in 1979 was 13,045. Live births increased significantly in the period to 2019 reaching 37,160 live births, representing an increase of almost three times during this period.

Figure 1- A: Live Births, Abu Dhabi Emirate, 1979 to 2019



Source: Ministry of Health (1979-2005), Department of Health - Abu Dhabi (2006-2019)

Figure 1- B: Annual Rate of Change in Live Births, Abu Dhabi Emirate, 1979 to 2019

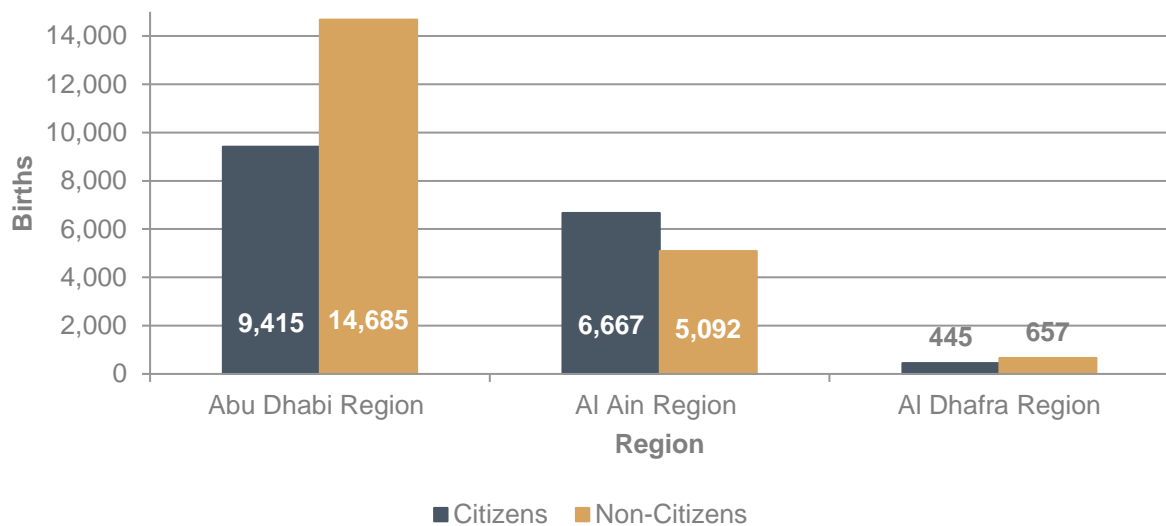


Source: Statistics Centre - Abu Dhabi

Live Births by Citizenship and Region

- In 2019, more than half of citizen babies were born in Abu Dhabi Region with 56.6 %, followed by Al Ain Region with 40.0 %, and Al Dhafra Region with 2.7% of the total citizen births. It should be noted that 0.8% of the births of citizens are not registered by region.
- With respect to non-citizen births, Abu Dhabi Region accounted for more than of two-thirds (71.9%), Al Ain Region for almost one-quarter (24.9%), while the share of births for Al Dhafra Region was 3.2 %.

Figure 2: Live Births by Citizenship and Region, Abu Dhabi Emirate, 2019

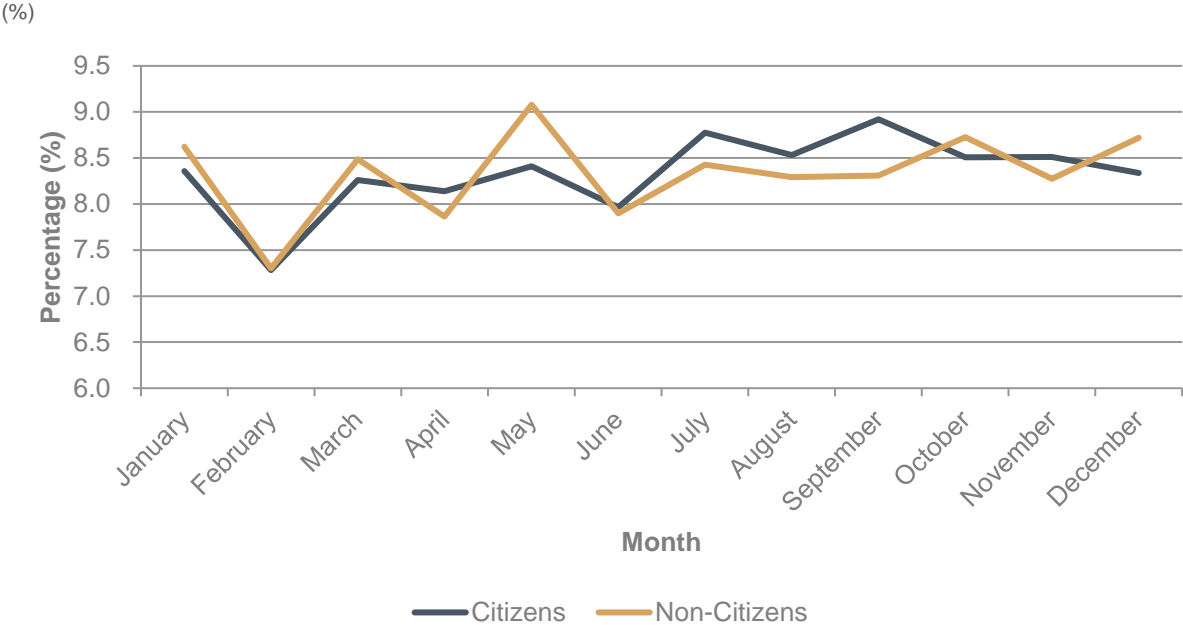


Source: Department of Health - Abu Dhabi

Live Births by Months

- In 2019, births peaked in May with 3,262 live births (8.8%).
- The lowest proportion of births occurred in February with 2,709 births (7.3 %).

Figure 3: Distribution of Live Births by Month and Citizenship, Abu Dhabi Emirate, 2019



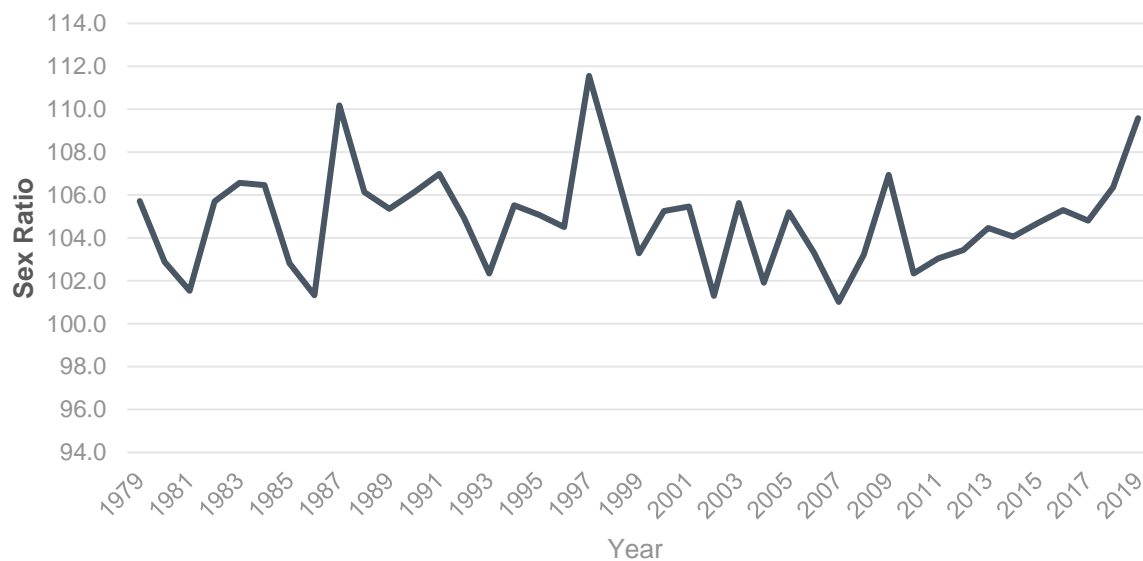
Source: Statistics Centre - Abu Dhabi

Sex Ratio at Birth

- Statistics of the Emirate of Abu Dhabi show that the Sex Ratio at Birth for total births ranged from 105.7 males per 100 females in 2008 to 107.2 in 2019.
- With respect to citizen births, the sex ratio was 103.2 for 2008. It increased to 109.6 in 2019.
- The sex ratio for non-citizen births was 108.0 in 2008, decreasing to 105.2 in 2019.

Figure 4: Sex Ratio at Birth for Citizens, Abu Dhabi Emirate, 1979 to 2019

(males per 100 females)



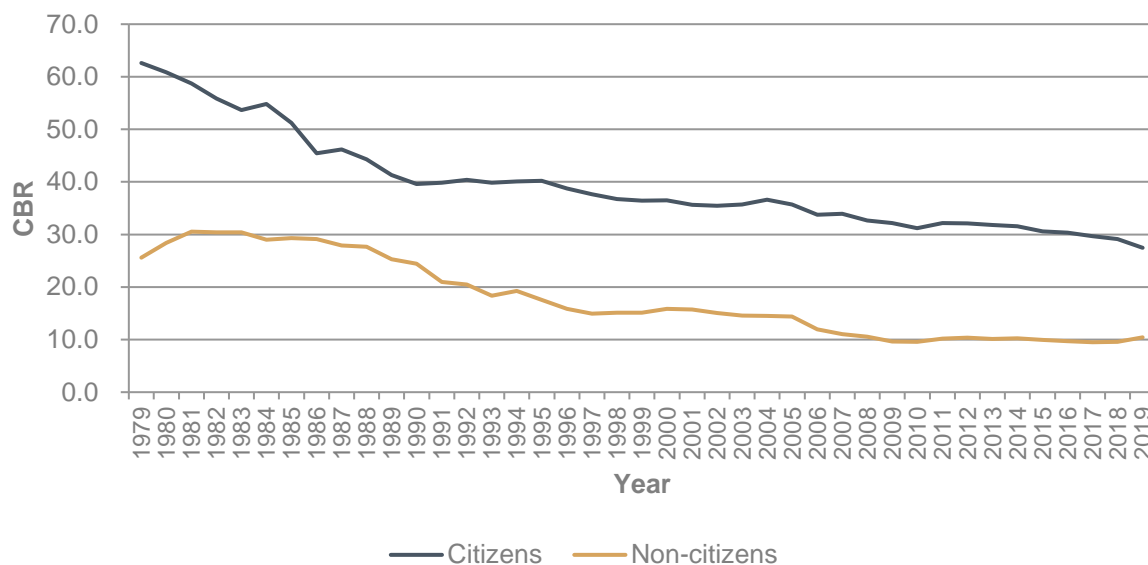
Source: Statistics Centre - Abu Dhabi

Crude Birth Rate

- The Crude Birth Rate (CBR) in 2008 was 15.3 births per 1000 population, dropping to 14.1 in 2010, before increasing to 14.5 births per 1000 population in 2019.
- Declining CBR were experienced in both the citizen and non-citizen populations. The CBR for citizens decreased from 32.7 in 2008 to 27.5 in 2019.
- With respect to non-citizens, there was a decline from 10.5 in 2008 to 10.4 in 2019 in CBR.

Figure 5: Crude Birth Rate by Citizenship, Abu Dhabi Emirate, 1979 to 2019

(Per 1000 population)

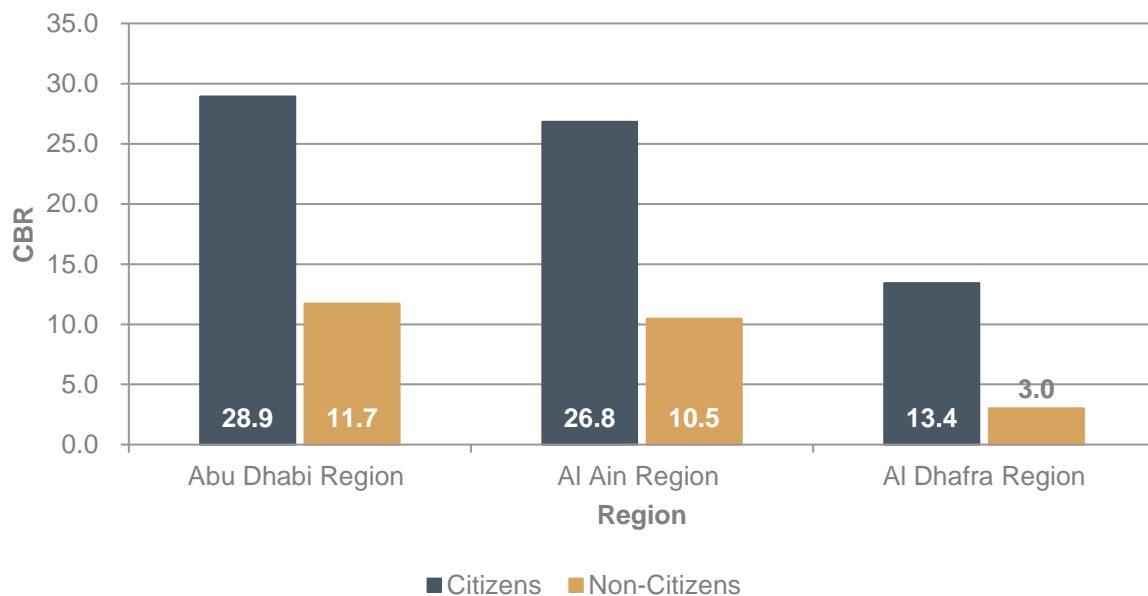


Source: Statistics Centre - Abu Dhabi

- CBR varies by citizenship and region. For citizens, the CBR was highest in Abu Dhabi Region at 28.9 births per 1000 population and the lowest in Al Dhafra Region with 13.4.
- The CBR for non-citizens reached its maximum in Abu Dhabi Region with 11.7 births per 1000 population, while the lowest rate was in Al Dhafra Region with 3.0.

Figure 6: Crude Birth Rate by Citizenship and Region, Abu Dhabi Emirate, 2019

(Births per 1000 population)



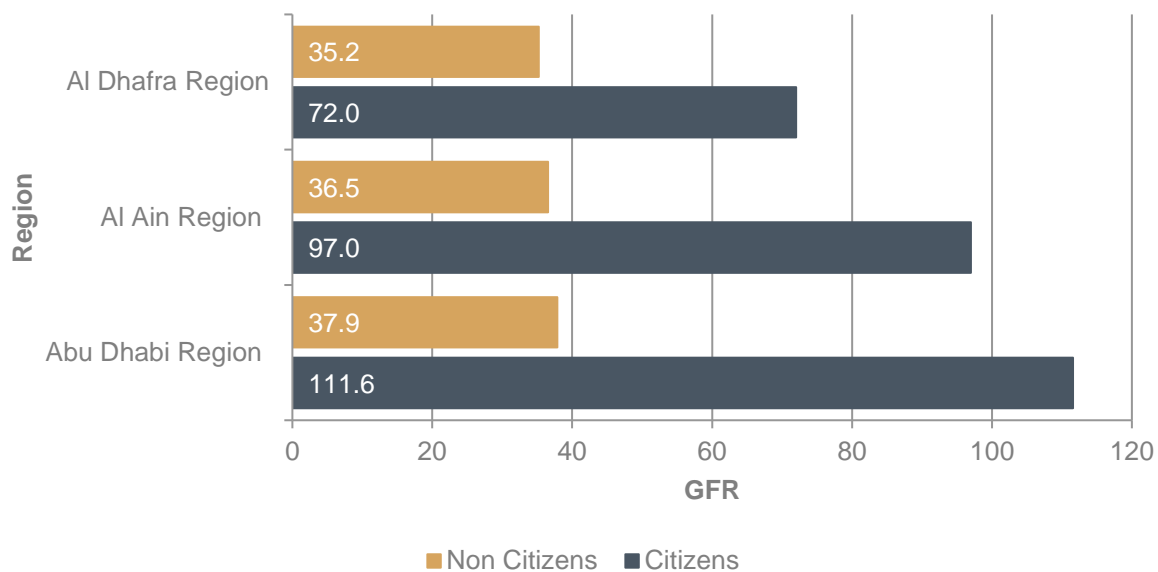
Source: Statistics Centre - Abu Dhabi

General Fertility Rate

- General Fertility Rate (GFR) shows that for every 1000 female citizens within the reproductive age (15-49 years) there were 104.7 babies born, and for every 1000 female non-citizens within the reproductive age (15-49 years) there were 37.5 babies born.
- By comparing GFR among regions, Abu Dhabi Region witnessed the highest GFR with 111.6 births per 1000 citizen females within the reproductive age and 37.9 births for non-citizen females.
- The GFR is the lowest in Al Dhafra Region with 72.0 births per 1000 female citizens and 35.2 per 1000 female non-citizens.

Figure 7: General Fertility Rate by Region and Citizenship, Abu Dhabi Emirate, 2019

(Births per 1000 women aged 15 - 49 years)

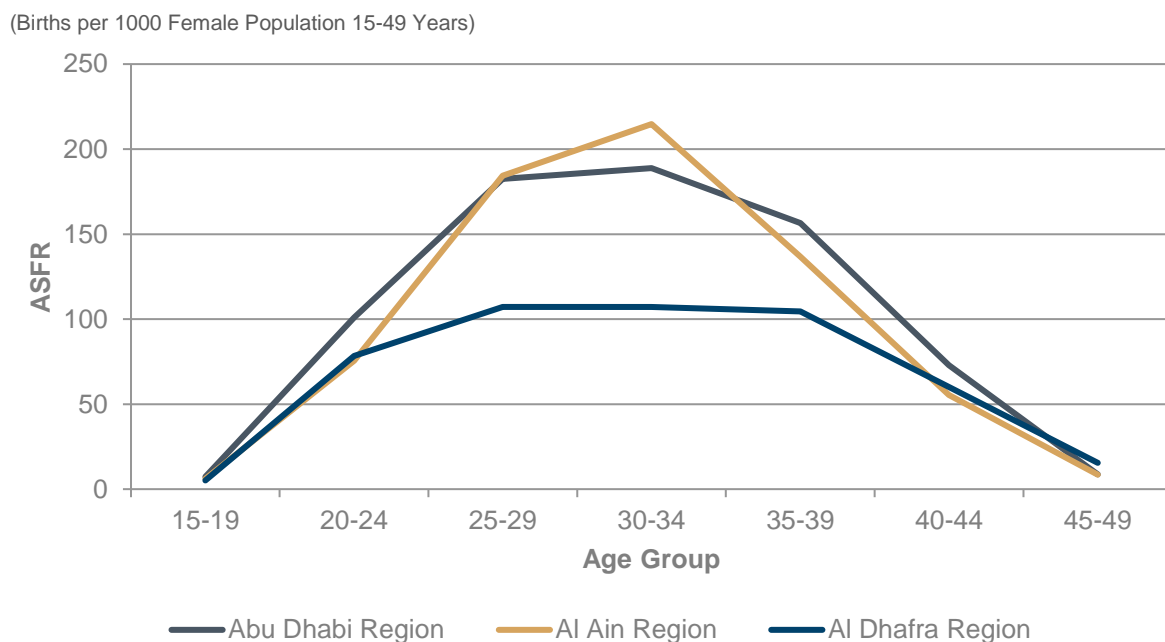


Source: Statistics Centre - Abu Dhabi

Age-Specific Fertility Rates

- In 2019, the ASFR for the age group 15 - 19 years was 6.8 for the Emirate, which means that there were almost 7 babies born per 1000 women in this teenage group.
- The ASFR reached its peak in the age group 30 - 34 years with 196.4 births per 1000 female citizens.
- Al Ain Region reported 214.7 births per 1000 female citizens in the age group 30 - 34 years.
- Al Ain Region reported 62.3 births per 1000 female non-citizens in the age group 30 - 34 years.

Figure 8: Age-Specific Fertility Rates for Citizens by Age Group and Region, Abu Dhabi Emirate, 2019



Source: Statistics Centre - Abu Dhabi

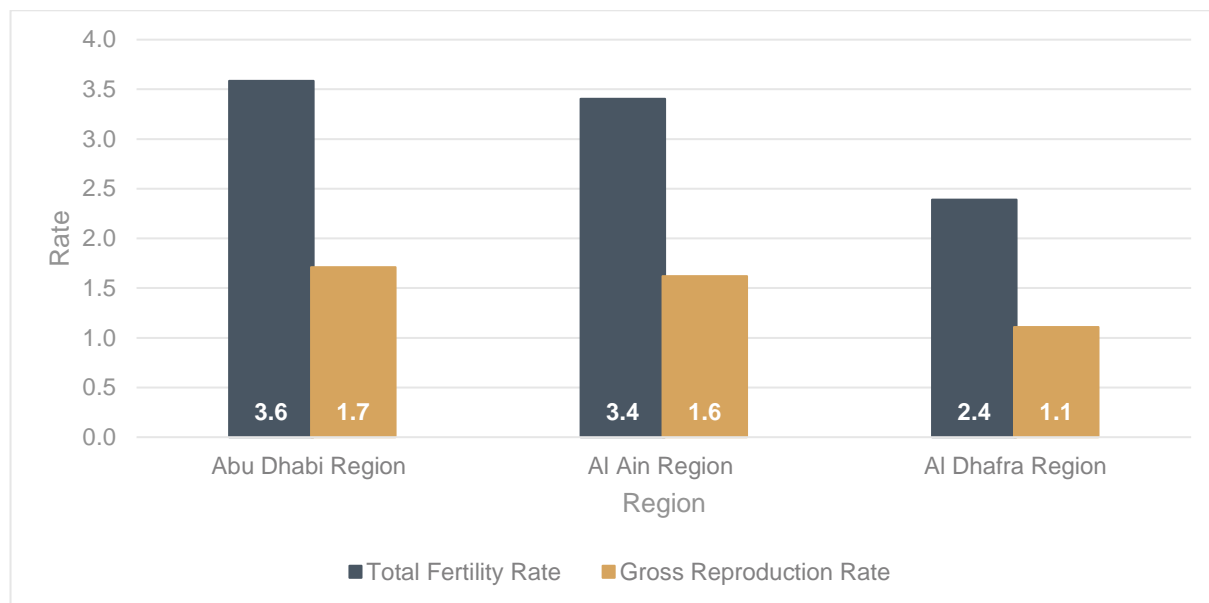
Total Fertility Rate

- In 2019, 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 1.3, 1.4 in Abu Dhabi Region, and 1.7 in Al Ain Region.
- The TFR for citizens was 3.5 for Abu Dhabi Emirate, while the TFR was 1.0 for non-citizens.
- The TFR for citizens in Abu Dhabi Region was the highest with 3.6 babies per woman followed by Al Ain Region and Al Dhafra Region with 3.4 and 2.4 babies respectively.

Gross Reproduction Rate

- On the other hand, the Gross Reproduction Rate (GRR) in Abu Dhabi Emirate for citizens was 1.7 female children per woman during her reproductive life, and this means that the generation of female citizens who have been born in 2019 is able to replace the generation of mothers. The GRR for citizens in Abu Dhabi Region was the highest with 1.7 babies per woman followed by Al Ain and Al Dhafra Region with 1.6 and 1.1 babies, respectively.

Figure 9: Total Fertility Rate and Gross Reproduction Rate for Female Citizens by Region, Abu Dhabi Emirate, 2019



Source: Statistics Centre - Abu Dhabi

Statistical Tables

Table 1: Births by Citizenship, Gender and Region, Abu Dhabi Emirate, 2019

(Live births)

Citizenship / Gender	Abu Dhabi Region	Al Ain Region	Al Dhafra Region	Abu Dhabi Emirate
Grand Total	24,150	11,765	1,102	37,160
Males	12,496	6,080	573	19,225
Females	11,654	5,685	529	17,935
Citizens	9,415	6,667	445	16,670
Males	4,930	3,476	234	8,716
Females	4,485	3,191	211	7,954
Non-Citizens	14,685	5,092	657	20,434
Males	7,536	2,600	339	10,475
Females	7,149	2,492	318	9,959

Source: Department of Health - Abu Dhabi

*Including 143 not stated Region and 56 not stated Citizenship was registered in DOH.

* Preliminary: Based on Department of Health - Abu Dhabi data, Feb 2020

Table 2-A: Births by Month, Citizenship and Gender, Abu Dhabi Emirate, 2019

(Live births)

Month	Gender & Citizenship								
	Citizens			Non-Citizens			Total		
	Males	Females	Total	Males	Females	Total	Males	Females	Total
Total	8,716	7,954	16,670	10,475	9,959	20,434	19,225	17,935	37,160
January	748	645	1,393	875	887	1,762	1,626	1,536	3,162
February	655	559	1,214	793	699	1,492	1,449	1,260	2,709
March	711	666	1,377	890	844	1,734	1,605	1,511	3,116
April	717	640	1,357	826	781	1,607	1,550	1,422	2,972
May	722	680	1,402	954	901	1,855	1,679	1,583	3,262
June	699	629	1,328	845	769	1,614	1,546	1,401	2,947
July	762	701	1,463	892	830	1,722	1,656	1,534	3,190
August	764	658	1,422	866	828	1,694	1,631	1,488	3,119
September	748	739	1,487	863	835	1,698	1,615	1,574	3,189
October	747	671	1,418	897	886	1,783	1,646	1,559	3,205
November	733	686	1,419	890	801	1,691	1,627	1,488	3,115
December	710	680	1,390	884	898	1,782	1,595	1,579	3,174

Source: Department of Health - Abu Dhabi

*Including 143 not stated Region and 56 not stated Citizenship was registered in DOH.

* Preliminary: Based on Department of Health - Abu Dhabi data, Feb 2020

Table 2-B: Distribution of Births by Month, Citizenship and Gender, Abu Dhabi Emirate, 2019

(%)

Month	Citizenship & Gender								
	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	8.6	8.1	8.4	8.4	8.9	8.6	8.5	8.6	8.5
February	7.5	7.0	7.3	7.6	7.0	7.3	7.5	7.0	7.3
March	8.2	8.4	8.3	8.5	8.5	8.5	8.3	8.4	8.4
April	8.2	8.0	8.1	7.9	7.8	7.9	8.1	7.9	8.0
May	8.3	8.5	8.4	9.1	9.0	9.1	8.7	8.8	8.8
June	8.0	7.9	8.0	8.1	7.7	7.9	8.0	7.8	7.9
July	8.7	8.8	8.8	8.5	8.3	8.4	8.6	8.6	8.6
August	8.8	8.3	8.5	8.3	8.3	8.3	8.5	8.3	8.4
September	8.6	9.3	8.9	8.2	8.4	8.3	8.4	8.8	8.6
October	8.6	8.4	8.5	8.6	8.9	8.7	8.6	8.7	8.6
November	8.4	8.6	8.5	8.5	8.0	8.3	8.5	8.3	8.4
December	8.1	8.5	8.3	8.4	9.0	8.7	8.3	8.8	8.5

Source: Statistics Centre – Abu Dhabi

* Preliminary: Based on Department of Health - Abu Dhabi data, Feb 2020

Table 3: Sex Ratio at Birth by Year and Citizenship, Abu Dhabi Emirate, 2008, 2010, 2017, 2018 and 2019

(Males per 100 Females)

Year	Citizens	Non-Citizens	Total
2008	103.2	108.0	105.7
2010	102.3	106.1	104.4
2017	104.8	103.9	104.5
2018	106.4	102.8	104.4
2019	109.6	105.2	107.2

Source: Statistics Centre – Abu Dhabi

* Preliminary: Based on Department of Health - Abu Dhabi data, Feb 2020

Table 4: Sex Ratio at Birth by Citizenship and Region, Abu Dhabi Emirate, 2019

(Males per 100 Females)

Citizenship	Abu Dhabi Region	Al Ain Region	Al Dhafra Region	Abu Dhabi Emirate
Grand Total	107.2	106.9	108.3	107.2
Citizens	109.9	108.9	110.9	109.6
Non-Citizens	105.4	104.3	106.6	105.2

Source: Statistics Centre – Abu Dhabi

* Preliminary: Based on Department of Health - Abu Dhabi data, Feb 2020

Table 5: Crude Birth Rate by Citizenship, Abu Dhabi Emirate, 2008, 2010, 2017, 2018 and 2019

(Births per 1000 population)

Citizenship	2008	2010	2017	2018	2019
Total	15.3	14.1	13.6	13.7	14.5
Citizens	32.7	31.2	29.6	29.1	27.5
Non-Citizens	10.5	9.6	9.4	9.6	10.4

Source: Statistics Centre – Abu Dhabi

* Preliminary: Based on Department of Health - Abu Dhabi data, Feb 2020

Table 6: Crude Birth Rate by Citizenship and Region, Abu Dhabi Emirate, 2019

(Births per 1000 population)

Citizenship	Abu Dhabi Region	Al Ain Region	Al Dhafra Region	Abu Dhabi Emirate
Grand Total	15.3	16.0	4.4	14.5
Citizens	28.9	26.8	13.4	27.5
Non-Citizens	11.7	10.5	3.0	10.4

Source: Statistics Centre – Abu Dhabi

* Preliminary: Based on Department of Health - Abu Dhabi data, Feb 2020

Table 7: General Fertility Rate by Citizenship and Region, Abu Dhabi Emirate, 2019

(Births per 1000 women aged 15 - 49 years)

Citizenship	Abu Dhabi Region	Al Ain Region	Al Dhafra Region	Abu Dhabi Emirate
Total	51.2	56.5	44.4	52.7
Citizens	111.6	97.0	72.0	104.7
Non-Citizens	37.9	36.5	35.2	37.5

Source: Statistics Centre – Abu Dhabi

* Preliminary: Based on Department of Health - Abu Dhabi data, Feb 2020

Table 8: Age Specific Fertility Rate by Age-group and Region, Abu Dhabi Emirate, 2019

(Births per 1000 women aged 15-49 years)

Age	Abu Dhabi Region	Al Ain Region	Al Dhafra Region	Abu Dhabi Emirate
19-15	6.9	6.4	6.4	6.8
24-20	44.0	40.5	37.8	42.7
29-25	68.5	75.7	57.7	70.4
34-30	77.8	99.2	70.8	83.2
39-35	57.4	79.4	55.6	63.3
44-40	22.7	32.3	23.9	25.4
49-45	2.8	4.5	5.5	3.3

Source: Statistics Centre – Abu Dhabi

* Preliminary: Based on Department of Health - Abu Dhabi data, Feb 2020

Table 9: Age Specific Fertility Rates for Citizens by Age-group and Region, Abu Dhabi Emirate, 2019

(Births per 1000 women aged 15-49 years)

Age	Abu Dhabi Region	Al Ain Region	Al Dhafra Region	Abu Dhabi Emirate
19-15	7.3	6.1	5.1	6.9
24-20	100.9	75.4	78.3	89.0
29-25	182.4	184.3	107.1	181.2
34-30	188.8	214.7	107.1	196.4
39-35	156.4	136.8	104.6	146.8
44-40	72.8	55.3	60.1	64.6
49-45	8.7	8.5	15.6	8.9

Source: Statistics Centre – Abu Dhabi

* Preliminary: Based on Department of Health - Abu Dhabi data, Feb 2020

Table 10: Age Specific Fertility Rates for Non-Citizens by Age group and Region, Abu Dhabi Emirate, 2019

(Births per 1000 women aged 15-49 years)

Age	Abu Dhabi Region	Al Ain Region	Al Dhafra Region	Abu Dhabi Emirate
19-15	6.6	6.8	7.4	6.7
24-20	27.2	22.8	24.9	25.6
29-25	49.2	43.1	45.0	47.5
34-30	60.2	62.3	60.6	60.7
39-35	40.6	50.4	41.1	42.7
44-40	13.0	18.8	13.7	14.3
49-45	1.4	2.1	1.7	1.6

Source: Statistics Centre – Abu Dhabi

* Preliminary: Based on Department of Health - Abu Dhabi data, Feb 2020

Table 11: Total Fertility Rate by Citizenship and Region, Abu Dhabi Emirate, 2019

(Children per Woman)

Citizenship	Abu Dhabi Region	Al Ain Region	Al Dhafra Region	Abu Dhabi Emirate
Total	1.4	1.7	1.3	1.5
Citizens	3.6	3.4	2.4	3.5
Non-Citizens	1.0	1.0	1.0	1.0

Source: Statistics Centre – Abu Dhabi

* Preliminary: Based on Department of Health - Abu Dhabi data, Feb 2020

Table 12: Gross reproduction Rate by Citizenship and Region, Abu Dhabi Emirate, 2019

(Female Child per Woman)

Citizenship	Abu Dhabi Region	Al Ain Region	Al Dhafra Region	Abu Dhabi Emirate
Total	0.7	0.8	0.6	0.7
Citizens	1.7	1.6	1.1	1.7
Non-citizens	0.5	0.5	0.5	0.5

Source: Statistics Centre – Abu Dhabi

* Preliminary: Based on Department of Health - Abu Dhabi data, Feb 2020

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

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

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 DOH as preliminary data for 2019 in Feb 2020. 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 lead 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 2021.

Abbreviations used

ASFR	Age-Specific Fertility Rate
CBR	Crude Birth Rate
GFR	General Fertility Rate
GRR	Gross Reproduction Rate
DOH	Abu Dhabi Department of Health Authority
SCAD	Statistics Centre – Abu Dhabi
TFR	Total Fertility Rate



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