

2020



مركز الإحصاء
STATISTICS CENTRE

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Introduction

This report presents statistics on deaths in Abu Dhabi Emirate in 2019. Statistics of deaths in the years 2016, 2017 and 2018 are included to show trends in mortality. It contains numbers of deaths, age specific mortality rates and child mortality. It also covers life expectancy at birth and survival indicators.

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). The Statistics Centre - Abu Dhabi (SCAD) acknowledges the productive partnership with DOH, which aims to continually improve the coverage and quality of death statistics.

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

It should be noted that deaths were recorded at place of death registration, rather than the place of the deceased's usual residence, which may result in registering the death to a region which differs from the residential origin region of deceased. For this reason, death rates at a regional level should be treated with caution.

Key indicators

Deaths	3,230
Citizens	1,163
Non- Citizens	2,057
 Crude mortality rate (per 1000 population)	 1.3
Citizens	1.9
Non- Citizens	1.0
 Infant mortality rate - less than one month (per 1000 live births)	 3.2
Males	2.9
Females	3.5
 Infant mortality rate - less than one year (per 1000 live births)	 5.4
Males	5.3
Females	5.5
 Under-5 mortality rate (per 1000 live births)	 6.9
Males	7.0
Females	6.8

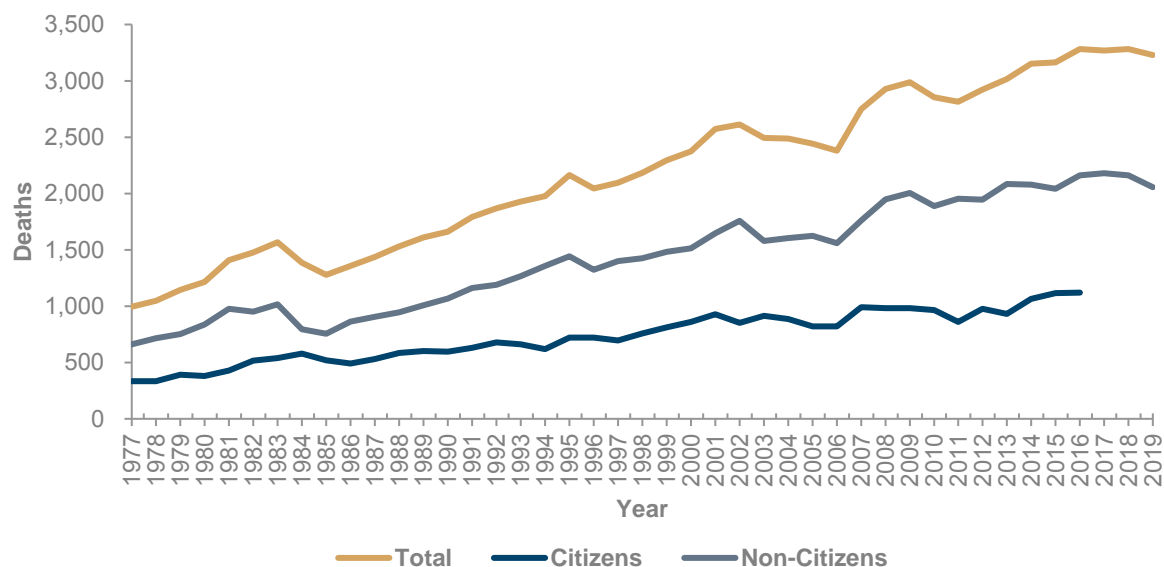
Key Points

- In Abu Dhabi Emirate, there were 3,230 deaths in 2019, compared with 3,407 in 2008.
- The citizens' deaths are 1,163 deaths, with 694 male deaths.
- The non-citizens' deaths are 2,057 deaths, with 1,449 male deaths.
- The crude death rate for citizens has decreased to 1.9 deaths (per 1000 population) in 2019.
- The infant mortality rate for citizens was 12.1 (per 1000 live births), with rates of 5.0 for males and 5.3 for females.

Long-term Trends

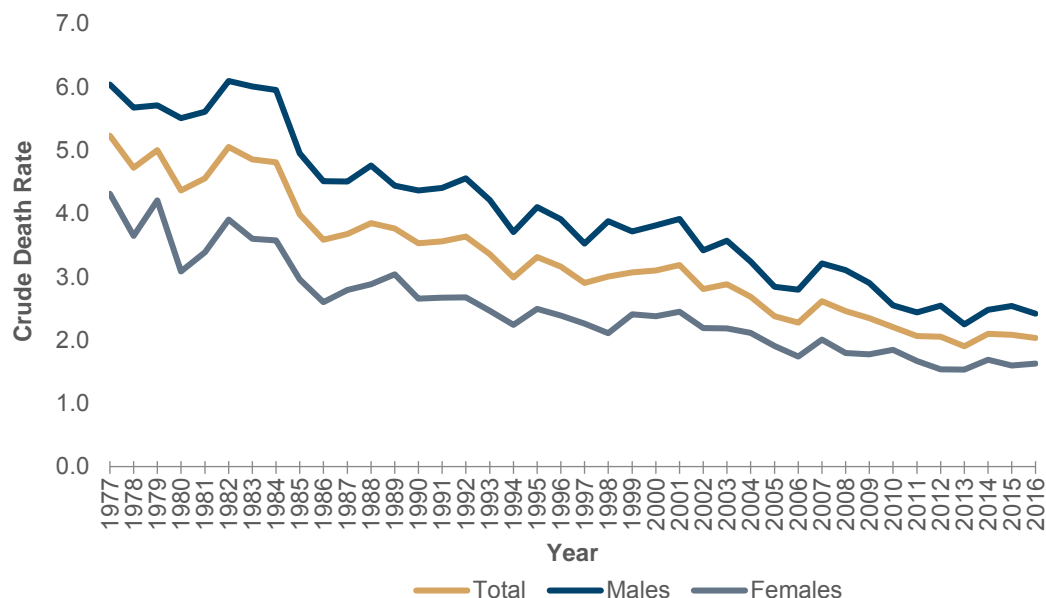
- The crude death rate has decreased from 3.7 deaths (per 1000 population) in 1977 to 1.3 deaths (per 1000 population) in 2019.
- The crude death rate for citizens has decreased from 5.2 deaths (per 1000 population) in 1977 to 1.9 deaths (per 1000 population) in 2019.

Figure 1: Deaths by Citizenship, Abu Dhabi Emirate, 1977-2019



Source: Ministry of Health (1977-2005), Department of Health – Abu Dhabi (2006-2019)

Figure 2: Crude Death Rate for Citizens by Gender, Abu Dhabi Emirate, 1977-2019
(Per 1000 population)



Source: Statistics Centre – Abu Dhabi

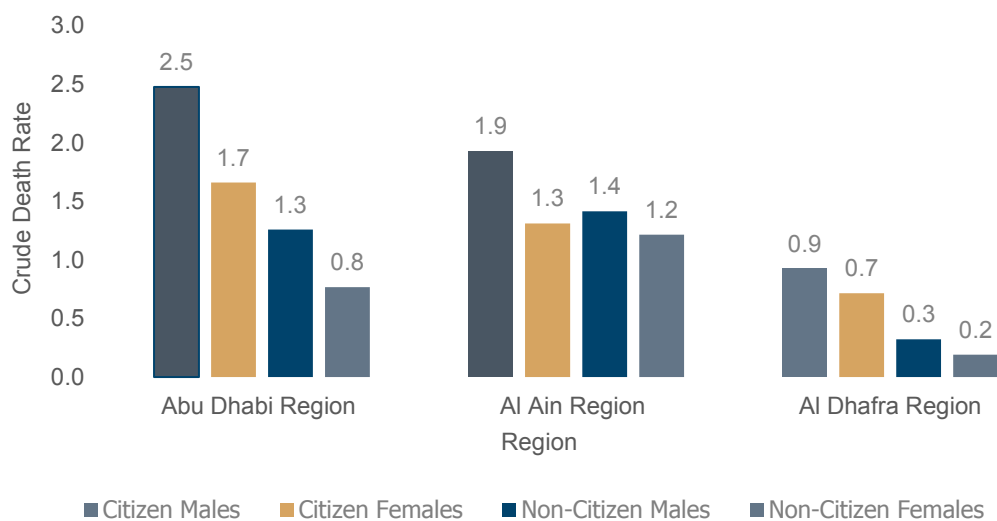
Deaths by Gender and Region

- The Abu Dhabi region accounted for the largest share of deaths in the Emirate (62.3%), and Al Dhafra region (3.0%) the smallest share.
- Of total deaths, the non-citizens' share of deaths was 64%, and citizens' share was 36%.
- In Abu Dhabi Emirate, the number of male deaths was about double that of female deaths. The proportion male deaths was 67%, and female deaths 33%.

Crude death rate

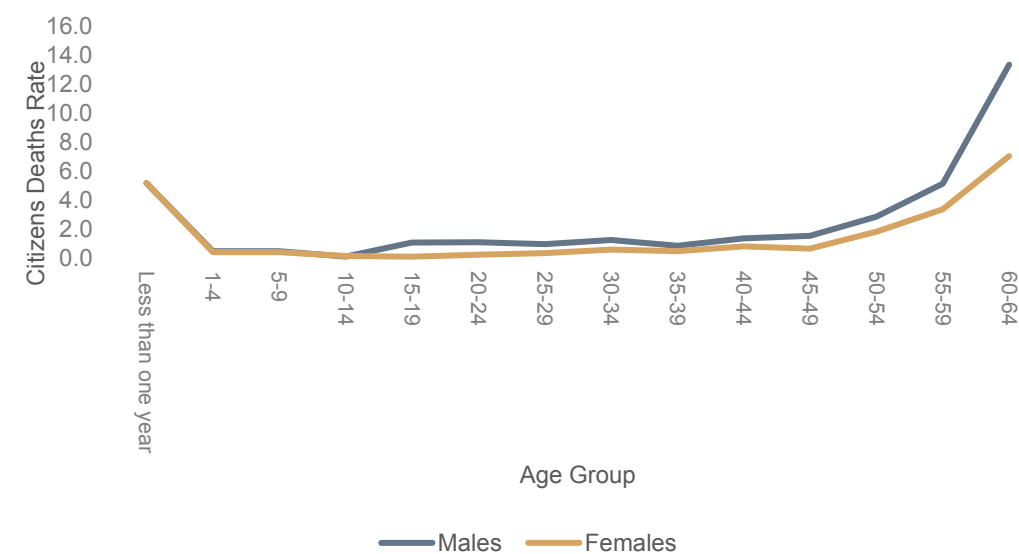
- The crude death rate for Abu Dhabi Emirate was 1.3 deaths per 1,000 population in 2019.
- The crude death rate for citizens decreased to 1.9 in 2019, a decrease of 19% since 2008.
- The crude death rate for non-citizens decreased to 1.0 in 2019, a decrease of 9% since 2008.
- The crude death rate in the Abu Dhabi region (1.3) was lower than in Al Ain region (1.4), and the lowest rate was in Al Dhafra region (0.4).

Figure 3: Crude Death Rate by Citizenship, Gender and Region, Abu Dhabi Emirate, 2019
(Per 1000 population)



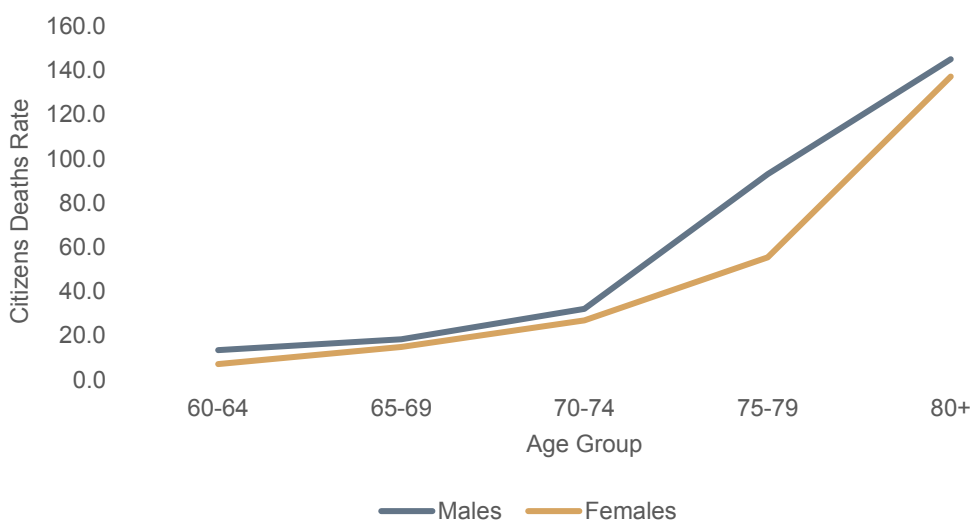
Source: Statistics Centre – Abu Dhabi

Figure 4: Age Specific Deaths Rate for Citizens by Age Group (up to 64 years) and Gender, Abu Dhabi Emirate, 2016
(Per 1000 population)



Source: Statistics Centre – Abu Dhabi

Figure 5: Age Specific Death Rate for Citizens by Age Group (60 years and over) and Gender, Abu Dhabi Emirate, 2019
(Per 1000 population)

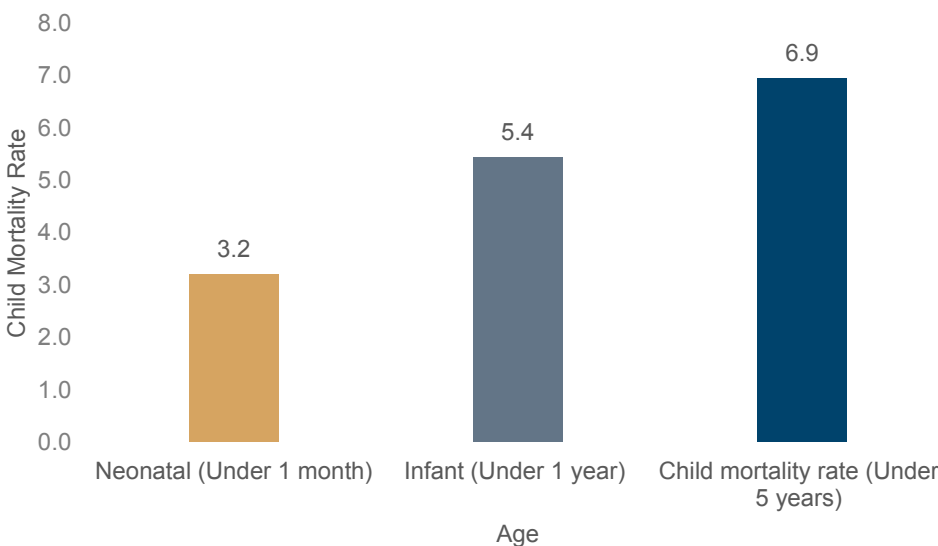


Source: Statistics Centre – Abu Dhabi

Child mortality

- The neonatal mortality rate (less than one month) was 3.2 cases per 1000 live births.
- The infant mortality rate (less than one year) was 5.4 cases per 1,000 live births.
- Under-five mortality rate was 6.9 per 1,000 live births in 2019 in Abu Dhabi Emirate.

Figure 6: Child Mortality Rates, Abu Dhabi Emirate, 2019
(Per 1000 live births)

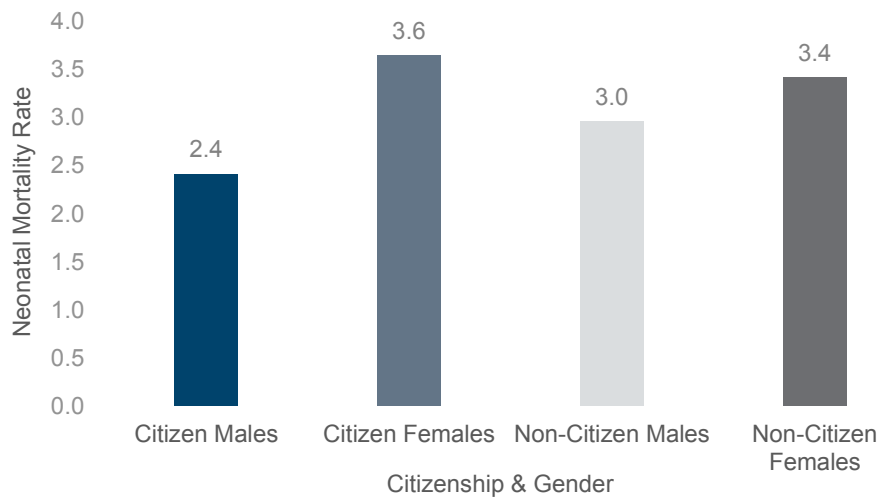


Source: Statistics Centre – Abu Dhabi

Neonatal mortality rate

- In 2019, neonatal deaths accounted for more than half of the total child mortality of under five years of age in the Abu Dhabi Emirate (46.1%).
- The neonatal mortality rate for males was 2.9 per 1,000 male births, compared with 3.5 cases per 1,000 female births.
- The citizen neonatal mortality rate was 7.1 cases per 1,000 live births.
- The non-citizen neonatal mortality rate was 3.1 cases per 1000 live births.

Figure 7: Neonatal Mortality Rates (under 1 month) by Citizenship and Gender, Abu Dhabi Emirate, 2019
(Per 1000 live births)



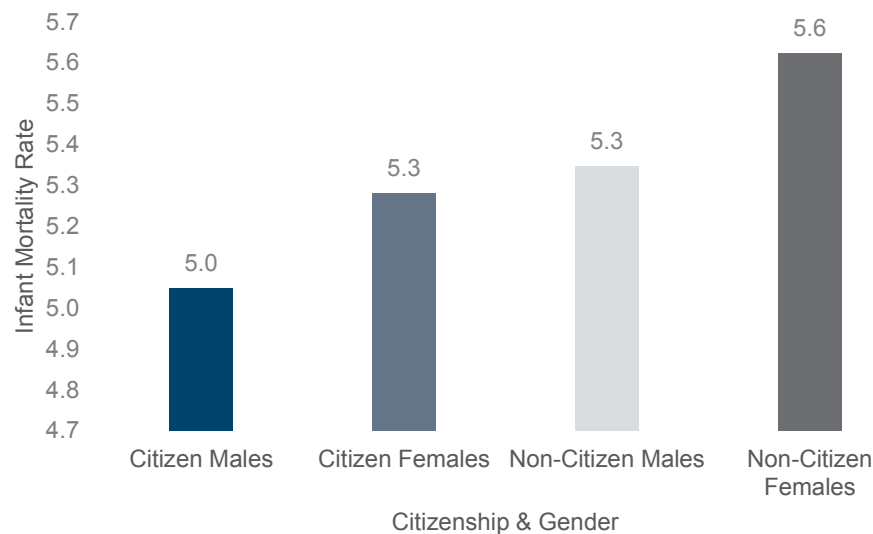
Source: Statistics Centre – Abu Dhabi

Infant Mortality Rate

- The infant mortality rate (under 1 year) was 5.4 per 1000 live births in 2019 in Abu Dhabi Emirate.
- The infant mortality rate (under 1 year) for males is 5.3 cases per 1,000 male births, compared to 5.4 cases per 1000 female births.
- The infant mortality rate for non-citizens is 5.5 cases per 1000 live births (5.3 for males and 5.6 for females).

Figure 8: Infant Mortality Rate (under 1 year) by Citizenship and Gender, Abu Dhabi Emirate, 2019

(Per 1000 live births)

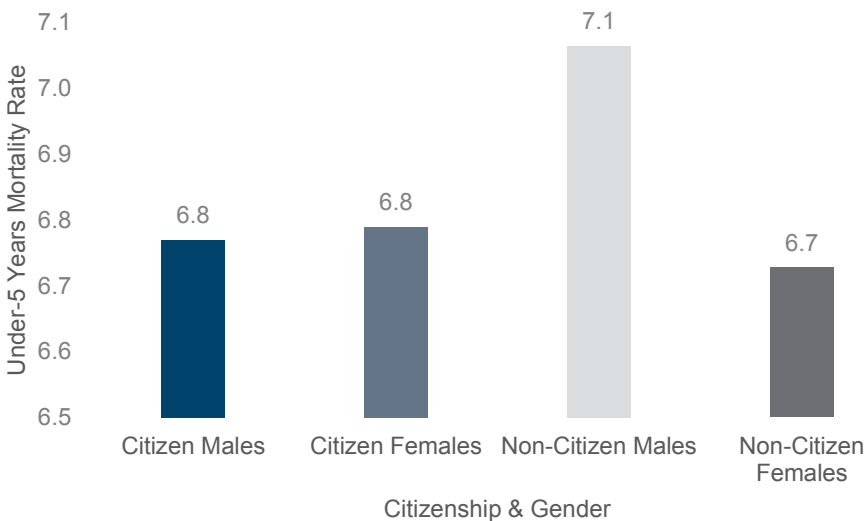


Source: Statistics Centre – Abu Dhabi

Under-five mortality rate

- The under-five mortality rate in Abu Dhabi Emirate is 6.9 per 1,000 live births in 2019.
- The under-five mortality rate for males was 7.0 cases per 1,000 male births, compared with 6.8 cases per 1000 female births.
- The under-five mortality rate for citizen was 6.8 per 1,000 live births (6.8 for males and 6.8 for females)
- The under-five mortality rate for non-citizens was 6.9 per 1,000 live births (7.1 for males and 6.7 for females).

Figure 9: Under-5 years Mortality Rate by Citizenship and Gender, Abu Dhabi Emirate, 2019
(Per 1000 live births)

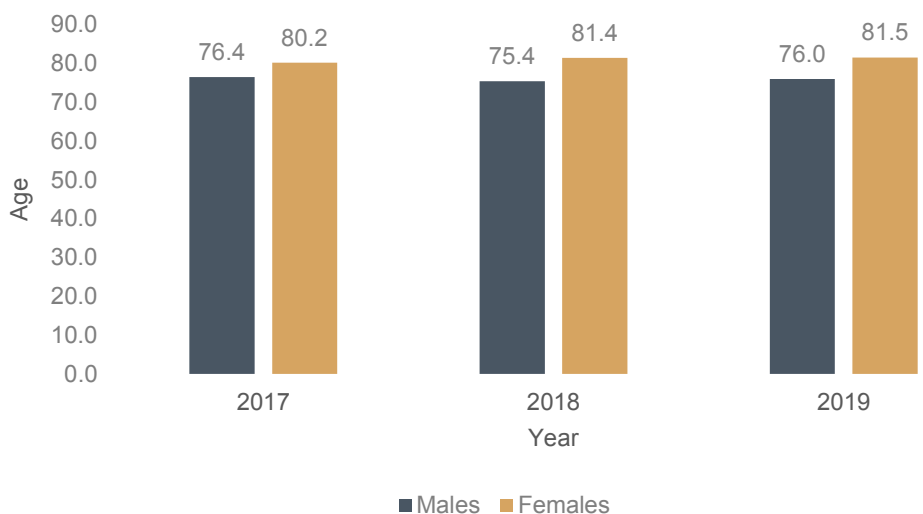


Source: Statistics Centre – Abu Dhabi

Life expectancy at birth

- Life expectancy at birth for citizen in 2019 was 78.3 years.
- Life expectancy at birth for male citizens in 2019 was 76.0 years.
- Life expectancy at birth for female citizens in 2019 was 81.5 years.

Figure 10: Life Expectancy at Birth by Citizens Gender, Abu Dhabi Emirate, 2017, 2018 and 2019
(Years)



Source: Statistics Centre – Abu Dhabi

Statistical Tables

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

Gender & Citizenship	Males	Females	Total
Grand Total	2,150	1,077	3,230
Abu Dhabi Region	1,360	650	2,013
Al Ain Region	674	385	1,059
Al Dhafra Region	84	14	98
	32	28	60
Citizens	694	468	1,163
Abu Dhabi Region	406	268	675
Al Ain Region	239	163	402
Al Dhafra Region	19	9	28
	30	28	58
Non-Citizens	1,449	607	2,057
Abu Dhabi Region	952	382	1,335
Al Ain Region	433	220	653
Al Dhafra Region	62	5	67
	2	0	2

Source: Department of Health – Abu Dhabi

* Including 10 cases of citizenship unknown

* Based on preliminary data received in February 2020 from the Judicial Department - Abu Dhabi

Table 2: Crude Death Rate by Citizenship and Gender, Abu Dhabi Emirate, 2010, 2016, 2017 and 2019
(Per 1000 population)

Gender & Citizenship	2010	2016	2017	2019
Grand Total	1.4	1.1	1.2	1.3
Males	1.4	1.2	1.4	1.4
Females	1.3	0.9	1.0	1.1
Citizens	2.2	2.0	2.1	1.9
Males	2.5	2.4	2.5	2.2
Females	1.8	1.6	1.6	1.6
Non-Citizens	1.1	0.9	1.0	1.0
Males	1.2	1.0	1.1	1.2
Females	1.0	0.7	0.7	0.9

Source: Statistics Centre – Abu Dhabi

* Based on preliminary data received in February 2020 from the Judicial Department - Abu Dhabi

Table 3: Crude Death Rate by Citizenship, Gender and Region, Abu Dhabi Emirate, 2019
(Per 1000 population)

Gender & Citizenship	Abu Dhabi Region	Al Ain Region	Al Dhafra Region	Abu Dhabi Emirate
Grand Total	1.3	1.4	0.4	1.3
Males	1.5	1.6	0.4	1.4
Females	1.0	1.3	0.4	1.1
Citizens	2.1	1.6	0.8	1.9
Males	2.5	1.9	0.9	2.2
Females	1.7	1.3	0.7	1.6
Non-Citizens	1.1	1.3	0.3	1.0
Males	1.3	1.4	0.3	1.2
Females	0.8	1.2	0.2	0.9

Source: Statistics Centre – Abu Dhabi

* Based on preliminary data received in February 2020 from the Judicial Department - Abu Dhabi

Table 4: Age-Specific Death Rate by Age Group, Citizenship and Gender, Abu Dhabi Emirate, 2019
(Per 1000 population)

Age Group	Gender & Citizenship								
	Citizens			Non-Citizens			Total		
	Males	Females	Total	Males	Females	Total	Males	Females	Total
Total	2.4	1.7	2.0	1.0	0.7	0.9	1.2	1.0	1.1
Less than one year	5.2	5.2	5.3	4.9	5.2	5.1	5.1	5.2	5.2
1-4	0.5	0.4	0.5	0.4	0.3	0.4	0.5	0.4	0.4
5-9	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
10-14	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
15-19	1.1	0.1	0.6	0.4	0.1	0.2	0.8	0.1	0.4
20-24	1.1	0.3	0.7	0.4	0.0	0.2	0.5	0.1	0.3
25-29	1.0	0.4	0.7	0.3	0.1	0.2	0.3	0.2	0.3
30-34	1.3	0.6	0.9	0.4	0.2	0.4	0.5	0.3	0.4
35-39	0.9	0.5	0.7	0.6	0.3	0.5	0.6	0.3	0.5
40-44	1.4	0.8	1.1	0.9	0.5	0.8	1.0	0.5	0.8
45-49	1.6	0.7	1.1	1.6	0.7	1.3	1.6	0.7	1.3
50-54	2.9	1.8	2.3	2.7	1.5	2.3	2.8	1.6	2.3
55-59	5.1	3.4	4.2	5.0	4.0	4.6	5.1	3.8	4.5
60-64	13.4	7.1	10.2	12.4	5.1	9.1	12.7	5.8	9.5
65-69	18.2	14.8	16.6	28.7	14.8	21.7	24.0	14.8	19.5
70-74	32.0	26.9	29.3	37.4	26.9	32.3	34.9	26.9	30.9
75-79	93.0	55.4	73.5	60.1	41.1	49.9	76.9	48.1	61.7
80+	145.0	137.2	141.3	109.2	105.4	107.0	130.1	120.8	125.3

Source: Statistics Centre – Abu Dhabi

* Based on preliminary data received in February 2020 from the Judicial Department - Abu Dhabi

Table 5: Child Mortality Rates by Gender, Abu Dhabi Emirate, 2019

Item	Males	Females	Total
per 1000 live births			
Neonatal Mortality Rate (Under 1 month)	2.9	3.5	3.2
Infant mortality rate (Under 1 year)	5.3	5.5	5.4
Child mortality rate (Under 5 years)	7.0	6.8	6.9
Number			
Deaths by Gender (Under 1 month)	55	63	119
Deaths by Gender (Under 1 year)	101	99	202
Deaths by Gender (Under 5 years)	134	122	258
Births *	19,225	17,935	37,160

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

* Based on preliminary data received in February 2020 from the Judicial Department - Abu Dhabi

Table 6: Child Mortality Rates for Citizens by Gender, Abu Dhabi Emirate, 2019

Item	Males	Females	Total
per 1000 live births			
Neonatal Mortality Rate (Under 1 month)	2.4	3.6	3.2
Infant mortality rate (Under 1 year)	5.0	5.3	5.3
Child mortality rate (Under 5 years)	6.8	6.8	7.1
Number			
Deaths by Gender (Under 1 month)	21	29	53
Deaths by Gender (Under 1 year)	44	42	89
Deaths by Gender (Under 5 years)	59	54	118
Births *	8,716	7,954	16,670

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

* Based on preliminary data received in February 2020 from the Judicial Department - Abu Dhabi

Table 7: Child Mortality Rates for Non-Citizens by Gender, Abu Dhabi Emirate, 2019

Item	Males	Females	Total
per 1000 live births			
Neonatal Mortality Rate (Under 1 month)	3.0	3.4	3.1
Infant mortality rate (Under 1 year)	5.3	5.6	5.5
Child mortality rate (Under 5 years)	7.1	6.7	5.6
Number			
Deaths by Gender (Under 1 month)	31	34	63
Deaths by Gender (Under 1 year)	56	56	113
Deaths by Gender (Under 5 years)	74	67	114
Births	10,475	9,959	20,434

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

* Based on preliminary data received in February 2020 from the Judicial Department - Abu Dhabi

Table 8: Life Expectancy at Birth by Gender, Abu Dhabi Emirate, 2017, 2018, 2019 (Years)

Year	Males	Females	Total
2017	76.4	80.2	78.0
2018	75.4	81.4	78.0
2019	76.0	81.5	78.3

Source: Statistics Centre - Abu Dhabi

* Based on preliminary data received in February 2020 from the Judicial Department - Abu Dhabi

Explanatory Notes

Glossary of terms used

This report includes some terms of birth and fertility, including the following:

Death

The death incident is the state of permanent stop of all aspects of life of an individual at any time after birth, including psychosis, cardiac arrest, respiratory arrest and cessation of response. This definition is related to the live-birth, and excludes the category of the stillbirth and all other cases of foetus loss, i.e. spontaneous abortion and induced abortion.

Age-specific mortality rates

The number of deaths per age group occurring during a period of time (usually one calendar year) per 1000 population in the same age group in the middle of that period.

$$1000 \times \frac{\text{Number of deaths within a year of a certain age group}}{\text{Mid – year population for that age group}}$$

Crude mortality rate

The number of deaths occurring over a period of time (usually one calendar year) per 1000 population in the middle of that period.

$$1000 \times \frac{\text{Number of infant deaths during the year}}{\text{Mid – year population}}$$

Infant mortality rate (less than one year)

Number of infant deaths per 1000 live births over a period (usually one calendar year).

$$1000 \times \frac{\text{Number of deaths + infants within a year}}{\text{Number of live births during the year}}$$

Neonatal mortality rate (less than one month)

The number of deaths within a year of infants whose age is 28 days or less per 1000 live births within the same year.

$$1000 \times \frac{\text{Number of infant deaths aged 28 days or less within a year}}{\text{Number of live births during the year}}$$

Under-five mortality rate (per 1,000 live births)

The number of under-five child deaths during a given year per 1,000 births during the same year.

$$1000 \times \frac{\text{Number of deaths of children under the age of 5 years}}{\text{Number of live births during the year}}$$

Data sources

Preliminary data for 2019 were obtained from DOH, and the data were processed before being passed to SCAD for further analysis.

Technical Notes

Population in the base year: The revised mid-year population estimates of the Emirate of Abu Dhabi and its three regions is used for calculations.

Occurrence and registration: Deaths are registered at the place of registration instead of the usual place of residence of the deceased, which may lead to death registration in a territory that may differ from the territory of the deceased .g. large hospital collection by implementing a new notification system, leading to a significant change in comparison to the previous year. The system was tested in mid-2010.

The Lee-Carter method was used to calculate life expectancy at birth.

Additional information and the next version

For more information on mortality statistics, life tables and other official statistics, please visit the statistics link on the Statistics Centre website: <http://www.scad.ae>

The next issue is expected to be published in November 2021.

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