

TECHNICAL NOTES

The tabulations and indicators available in this application are based on the Estimated Resident Population (non-institutional), that is, the population living in private households who were usually resident in Antigua and Barbuda at the time of the 2011 census.

Information about households and persons is available at either national level or disaggregated by parish. Estimates are weighted to adjust for census non-response. There are some tabulation functions which offer the user a choice about the weight which is applied. If the user wishes to count persons they should select the person weight, if the user wishes to count households they should select the household weight. Users may also cross tabulate person variables with household variables. In this case, the user should select the person weight.

The main purpose of these technical notes is to document the methods used to calculate the social and demographic indicators available in this application. For each indicator, the numerator and denominator are defined with reference to the question numbers and response categories which appear in the census questionnaire (see below).

In the application, users are able to apply additional filters in order that the indicators are calculated for particular population subgroups. For example, applying the filter `PERSON.Q47_AGE>=60` would calculate the indicators for persons aged 60 and over (the filter is applied to both the indicator's numerator and denominator). In REDATAM, variables belong to entities and are identified using the format `ENTITYNAME.VARIABLENAME`, for example `PERSON.Q47_AGE` or `HHOLD.Q21_ROOMS`. Users should consult the information in the data dictionary in order to define appropriate filters.

SOCIAL AND DEMOGRAPHIC INDICATORS

EDUCATION

Population of school age

Population counts by single year of age for those aged 5 to 18

Attendance

Full and part time education (%)

$(Q72 \geq 1 \text{ AND } Q72 \leq 2) / (Q72 \geq 1 \text{ AND } Q72 \leq 3)$

Full time education (%)

$Q72 = 1 / (Q72 \geq 1 \text{ AND } Q72 \leq 3)$

Part time education (%)

$Q72 = 2 / (Q72 \geq 1 \text{ AND } Q72 \leq 3)$

Not in education (%)

$Q72 = 3 / (Q72 \geq 1 \text{ AND } Q72 \leq 3)$

Level of education

Persons with secondary education (%)

$(Q75 \geq 9 \text{ and } Q75 \leq 16) / (Q75 \geq 1 \text{ AND } Q75 \leq 16)$

Persons with tertiary education (%)

$(Q75 = 16) / (Q75 \geq 1 \text{ AND } Q75 \leq 16)$

User-defined indicators

Indicators are defined by selecting variables and response categories in order to define a numerator and a denominator from which the indicator is then calculated

ECONOMIC ACTIVITY

Person level

Persons in work (%)

$(Q84 \geq 1 \text{ AND } Q84 \leq 2) / (Q84 \geq 1 \text{ AND } Q84 \leq 9)$

Persons seeking work (%)

$(Q84 \geq 3 \text{ AND } Q84 \leq 4) / (Q84 \geq 1 \text{ AND } Q84 \leq 9)$

Persons in work or seeking work (%)

$(Q84 \geq 1 \text{ AND } Q84 \leq 4) / (Q84 \geq 1 \text{ AND } Q84 \leq 9)$

Household level

Households with 1 or more persons in work (%)

$(\text{Number of households with at least 1 person for whom } Q84 \geq 1 \text{ AND } Q84 \leq 2) /$
 $(\text{Number of households where all persons aged 15 and over provided valid responses, } Q84 \geq 1 \text{ AND } Q84 \leq 9)$

Households with 2 or more persons in work (%)

(Households with at least 2 persons...

User-defined indicators

Indicators are defined by selecting variables and response categories in order to define a numerator and a denominator from which the indicator is then calculated

HEALTH

Persons with chronic illnesses by type

AIDS

$(Q52_1 = \text{Yes})$

Allergies

$(Q52_2 = \text{Yes})$

Anemia
(Q52_3=Yes)

...

Prevalence rates by type of illness

AIDS
(Q52_1=Yes) / (Q52_1=Yes OR Q52_1=No)

Allergies
(Q52_2=Yes) / (Q52_2=Yes OR Q52_2=No)

Anemia
(Q52_3=Yes) / (Q52_3=Yes OR Q52_3=No)

...

Private health insurance coverage

Persons covered by a health insurance scheme (%)
(Q53=Yes) / (Q53=Yes OR Q53=No)

DISABILITY

Persons with disability by type and severity

Disability of any type (lots of difficulty or cannot do at all)
(Q50_1 OR Q50_2 OR...OR Q50_7 = 3 OR 4)

Seeing (lots of difficulty, or cannot do at all)
(Q50_1=3 OR Q50_1=4)

Hearing (lots of difficulty, or cannot do at all)
(Q50_2=3 OR Q50_2=4)

...

Disability of any type (some, lots of difficulty or cannot do at all)
(Q50_1 OR Q50_2 OR...OR Q50_7 = 2 OR 3 OR 4)

Seeing (some, lots of difficulty, or cannot do at all)
(Q50_1=2 OR Q50_1=3 OR Q50_1=4)

Hearing (some, lots of difficulty, or cannot do at all)
(Q50_2=2 OR Q50_2=3 OR Q50_2=4)

...

Prevalence of disability by type and severity

Disability of any type (lots of difficulty or cannot do at all) (%)
(Q50_1 OR Q50_2 OR...OR Q50_7 = 3 OR 4) /
(Q50_1 AND Q50_2 AND...AND Q50_7 = 1 OR 2 OR 3 OR 4)

Seeing (lots of difficulty, or cannot do at all) (%)
(Q50_1=3 OR Q50_1=4) / (Q50_1>=1 AND Q50_1<=4)

Hearing (lots of difficulty, or cannot do at all) (%)
(Q50_2=3 OR Q50_2=4) / (Q50_2>=1 AND Q50_2<=4)

...

Disability of any type (some, lots of difficulty or cannot do at all) (%)
(Q50_1 OR Q50_2 OR...OR Q50_7 = 2 OR 3 OR 4) /
(Q50_1 AND Q50_2 AND...AND Q50_7 = 1 OR 2 OR 3 OR 4)

Seeing (some, lots of difficulty, or cannot do at all) (%)
(Q50_1=2 OR Q50_1=3 OR Q50_1=4) / (Q50_1>=1 AND Q50_1<=4)

Hearing (some, lots of difficulty, or cannot do at all) (%)
(Q50_2=2 OR Q50_2=3 OR Q50_2=4) / (Q50_2>=1 AND Q50_2<=4)

...

HOUSING

Person level

- Persons living in owner occupied housing (%)
(persons living in households for which $Q6 \geq 1$ AND $Q6 \leq 2$) / (persons living in households for which $Q6 \geq 1$ AND $Q6 \leq 8$)
- Persons living in privately rented accommodation (%)
(persons living in households for which $Q6 = 6$) / (persons living in households for which $Q6 \geq 1$ AND $Q6 \leq 8$)
- Persons living in overcrowded housing (≥ 3 pers./bedroom) (%)
(Proportion of persons living in households where there are three or more people per bedroom)

Household level

- Owner occupied households (%)
(households for which $Q6 \geq 1$ AND $Q6 \leq 2$) / (households for which $Q6 \geq 1$ AND $Q6 \leq 8$) (%)
- Households renting privately (%)
(households for which $Q6 = 6$) / (households for which $Q6 \geq 1$ AND $Q6 \leq 8$)
- Overcrowded households (≥ 3 pers./bedroom) (%)
(Proportion of households where there are three or more people per bedroom)

HOUSEHOLD APPLIANCES

Households owning appliances

- Air-conditioner (%)
($Q23_1 = \text{Yes}$) / ($Q23_1 = \text{Yes}$ OR $Q23_1 = \text{No}$)
- Clothes dryer (%)
($Q23_2 = \text{Yes}$) / ($Q23_2 = \text{Yes}$ OR $Q23_2 = \text{No}$)
- Desktop computer (%)
($Q23_3 = \text{Yes}$) / ($Q23_3 = \text{Yes}$ OR $Q23_3 = \text{No}$)
- ...

TECHNOLOGY AND COMMUNICATIONS

Person level

Internet use

- Internet use in past 3 months (%)
($Q55 = 1$) / ($Q55 \geq 1$ AND $Q55 \leq 2$)

Household level

Communication services

- Fine line telephone (%)
($Q25_1 = \text{Yes}$) / ($Q25_1 = \text{Yes}$ OR $Q25_1 = \text{No}$)
- Cable TV (%)
($Q25_2 = \text{Yes}$) / ($Q25_2 = \text{Yes}$ OR $Q25_2 = \text{No}$)
- Satellite TV (%)
($Q25_3 = \text{Yes}$) / ($Q25_3 = \text{Yes}$ OR $Q25_3 = \text{No}$)
- Internet access (%)
($Q25_4 = \text{Yes}$) / ($Q25_4 = \text{Yes}$ OR $Q25_4 = \text{No}$)

UNMET BASIC NEEDS (UBN)

Person level

UBN for housing (%)

The percentage of persons living in overcrowded housing (see above) OR Q2=3 OR Q3=2
OR Q3=7 OR Q7=7

UBN for water (%)

The percentage of persons living in households for which Q12=4 OR Q12=7 OR Q13=5
OR Q13=8

UBN for sanitation (%)

Q14=6

UBN for fuel (%)

Q10=5

UBN for light (%)

Q20=6

UBN for refuse collection (%)

Q11=1 OR Q11=2 OR Q11=4 or Q11=5

UBN for information (e.g. no TV, no radio and no internet) (%)

Q23_15=NO AND Q23_16=NO AND Q23_10=NO AND Q25_4=NO

One or more UBNs (%)

The percentage of persons living in households with one or more UBN

Two or more UBNs (%)

...

Household level (UBN)

UBN for housing (%)

The percentage of overcrowded households (see above) OR Q2=3 OR Q3=2 OR Q3=7 OR
Q7=7

UBN for water (%)

The percentage of persons living in households for which Q12=4 OR Q12=7 OR Q13=5
OR Q13=8

...

One or more UBNs (%)

The percentage of households with one or more UBN

Two or more UBNs (%)

...

CRIME

Households victims of crime

Victims of any crime (%)

(Q26=Yes) / (Q26=Yes OR Q26=No)

Larceny - Housebreaking (%)

(Q26_f=Yes) / (Q26_f=Yes OR Q26_f=No)

Larceny - Auto theft (%)

(Q26_g=Yes) / (Q26_g=Yes OR Q26_g=No)

Larceny - Other (%)

(Q26_h=Yes) / (Q26_h=Yes OR Q26_h=No)

DEMOGRAPHIC INDICATORS

Demographic indicators

Child dependency ratio

$$(\text{Number of persons aged } < 18) / (\text{Number of persons aged } 18-59) \times 100$$

Old age dependency ratio

$$(\text{Number of persons aged } 60+) / (\text{Number of persons aged } 18-59) \times 100$$

Active population replacement ratio

$$(\text{Number of persons aged } 15-19) / (\text{Number of persons aged } 60-64) \times 100$$

Sex ratio

$$(\text{Number of males}) / (\text{Number of females}) \times 100$$

Fertility ratio

$$(\text{Number of children aged } < 5) / (\text{Number of females aged } 15-49) \times 100$$

Population by age and sex groups

Counts of population by age, sex and municipality/community and age pyramids