

## **TECHNICAL NOTES**

The tabulations and indicators available in this application are based on the population living in private households who were usually resident in Montserrat at the time of the 2011 census. Information about households and persons is available at national level and for regions, villages and enumeration areas.

The main purpose of these technical notes is to document the methods used to calculate the social and demographic indicators available in the 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.

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.Q44B\_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.Q44B\_AGE or HHOLD.H22\_ROOM. Users should consult the information in the data dictionary in order to define appropriate filters.

In order to protect data confidentiality, the indicators are not calculated for geographic areas which only contain a small number of the relevant cases. Therefore, some tables which are requested, particularly at the village level, will contain empty cells.

## **SOCIAL AND DEMOGRAPHIC INDICATORS**

### **EDUCATION**

#### **Population of school age**

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

#### **Attendance**

Attending an educational institution (%)

$(Q63 \geq 1 \text{ AND } Q63 \leq 2) / (Q63 \geq 1 \text{ AND } Q63 \leq 3)$

Full time education (%)

$Q63 = 1 / (Q63 \geq 1 \text{ AND } Q63 \leq 3)$

Part time education (%)

$Q63 = 2 / (Q63 \geq 1 \text{ AND } Q63 \leq 3)$

Not in education (%)

$Q63 = 3 / (Q63 \geq 1 \text{ AND } Q63 \leq 3)$

#### **Level of education**

Persons with secondary education (%)

$(Q65 \geq 10 \text{ and } Q65 \leq 13) / (Q65 \geq 1 \text{ AND } Q65 \leq 13)$

Persons with tertiary education (%)

$(Q65 = 13) / (Q65 \geq 1 \text{ AND } Q65 \leq 13)$

#### **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 seeking work (%)  
 $(Q83 \geq 3 \text{ AND } Q83 \leq 4) / (Q83 \geq 1 \text{ AND } Q83 \leq 9)$

Persons in work (%)  
 $(Q83 \geq 1 \text{ AND } Q83 \leq 2) / (Q83 \geq 1 \text{ AND } Q83 \leq 9)$

Persons seeking work or in work (%)  
 $(Q83 \geq 1 \text{ AND } Q83 \leq 4) / (Q83 \geq 1 \text{ AND } Q83 \leq 9)$

### Household level

Households with 1 or more persons in work (%)  
 $(\text{Number of households with at least 1 person for whom } Q83 \geq 1 \text{ AND } Q83 \leq 2) /$   
 $(\text{Number of households where all persons aged 15 and over provided valid responses i.e. } Q83 \geq 1 \text{ AND } Q83 \leq 9)$

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

Diabetes  
 $(Q58\_1 = \text{Yes})$

Hypertension  
 $(Q58\_2 = \text{Yes})$

Arthritis  
 $(Q58\_3 = \text{Yes})$

...

### Prevalence rates by type of illness

Diabetes  
 $(Q58\_1 = \text{Yes}) / (Q58\_1 = \text{Yes OR } Q58\_1 = \text{No})$

Hypertension  
 $(Q58\_2 = \text{Yes}) / (Q58\_2 = \text{Yes OR } Q58\_2 = \text{No})$

Arthritis  
 $(Q58\_3 = \text{Yes}) / (Q58\_3 = \text{Yes OR } Q58\_3 = \text{No})$

...

### Health insurance

Persons with a health insurance plan (%)  
 $(Q59 = \text{Yes}) / (Q59 = \text{Yes OR } Q59 = \text{No})$

## DISABILITY

### Persons with disability by type

Persons with illness, disability or infirmity  
 $(Q61 = 1)$

Eyesight  
 $(Q62\_1 = 1)$

Hearing  
 $(Q62\_2 = 1)$

...

#### Prevalence of disability by type

Persons with illness, disability or infirmity (%)  
 $(Q61=1) / (Q61=1 \text{ OR } Q61=2)$

Eyesight (%)  
 $(Q62\_1=1) / (Q61=1 \text{ OR } Q61=2)$

Hearing (%)  
 $(Q62\_2=1) / (Q61=1 \text{ OR } Q61=2)$

...

#### HOUSING

##### Person level

Persons living in overcrowded housing ( $\geq 3$  pers./bedroom) (%)  
(Proportion of persons living in households where there are three or more people per bedroom)

Persons living in owner occupied housing (%)  
 $(\text{persons living in households for which } Q5 \geq 4 \text{ AND } Q5 \leq 5) / (\text{persons living in households for which } Q5 \geq 1 \text{ AND } Q5 \leq 8)$

Persons living in rented housing (%)  
 $(\text{persons living in households for which } Q5 \geq 1 \text{ AND } Q5 \leq 2) / (\text{persons living in households for which } Q5 \geq 1 \text{ AND } Q5 \leq 8)$

##### Household level

Overcrowded households ( $\geq 3$  pers./bedroom) (%)  
(Proportion of households where there are three or more people per bedroom)

Owner occupied households (%)  
 $(\text{households for which } Q5 \geq 4 \text{ AND } Q5 \leq 5) / (\text{households for which } Q5 \geq 1 \text{ AND } Q5 \leq 8)$   
(%)

Households renting (%)  
 $(\text{households for which } Q5 \geq 1 \text{ AND } Q5 \leq 2) / (\text{households for which } Q5 \geq 1 \text{ AND } Q5 \leq 8)$

Average monthly mortgage/rent payment (EC\$) (%)  
(Calculated based on Q7.1)

#### HOUSEHOLD APPLIANCES

##### Households owning appliances

Radio/Stereo (%)  
 $(Q25\_01=\text{Yes}) / (Q25\_01=\text{Yes} \text{ OR } Q25\_01=\text{No})$

Television (%)  
 $(Q25\_02=\text{Yes}) / (Q25\_02=\text{Yes} \text{ OR } Q25\_02=\text{No})$

Fixed line telephone (%)  
 $(Q25\_03=\text{Yes}) / (Q25\_03=\text{Yes} \text{ OR } Q25\_03=\text{No})$

...

#### UNMET BASIC NEEDS (UBN)

##### Person level

UBN for housing (%)  
The percentage of persons living in overcrowded housing (see above) OR  $Q9=8$  OR  $Q10=7$  OR  $Q5=7$

UBN for water (%)

The percentage of persons living in households for which Q12=3 OR Q12=4 OR Q12=6  
 OR Q13=3 OR Q13=4 OR Q13=6  
 UBN for sanitation (%)  
 Q14=3 OR Q14=5 OR Q15=1  
 UBN for fuel (%)  
 Q19=7  
 UBN for light (%)  
 Q18=4 OR Q18=6  
 UBN for refuse collection (%)  
 Q24=1 OR Q24=2 OR Q24=5  
 UBN for information (e.g. no TV, no radio and no internet) (%)  
 Q25\_1=No AND Q25\_2=No AND Q25\_6=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 Q9=8 OR Q10=7 OR Q5=7  
 UBN for water (%)  
 The percentage of persons living in households for which Q12=3 OR Q12=4 OR Q12=6  
 OR Q13=3 OR Q13=4 OR Q13=6  
 ...  
 One or more UBNs (%)  
 The percentage of households with one or more UBN  
 Two or more UBNs (%)  
 ...

## ENVIRONMENT

Households affected by environmental issues

Waste disposal (%)  
 (Q28\_01=Yes) / (Q28\_01=Yes OR Q28\_01=No)  
 Dump site (%)  
 (Q28\_02=Yes) / (Q28\_02=Yes OR Q28\_02=No)  
 Drainage (%)  
 (Q28\_03=Yes) / (Q28\_03=Yes OR Q28\_03=No)  
 ...

## TECHNOLOGY

Use of technology

Internet use (last 12 months) (%)  
 (Q67=1) / (Q67>=1 AND Q67<=2)

## CRIME

Victims of crime

Households victims of crime (last 12 months) (%)  
 (Q29=Yes) / (Q29=Yes OR Q29=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 pyramids

Counts of population by age, sex, region/village and age pyramids