

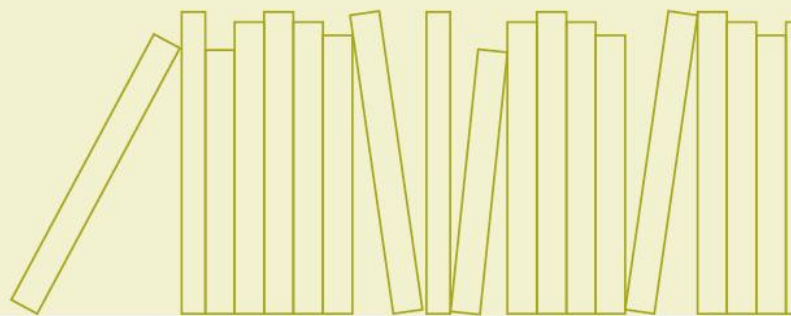
Economic Commission for Latin America and the Caribbean

**ECLAC SUBREGIONAL HEADQUARTERS
FOR THE CARIBBEAN**



Report of the workshop on census data dissemination using REDATAM

Grenada and Barbados



UNITED NATIONS

ECLAC



Economic Commission for Latin America and the Caribbean
Subregional Headquarters for the Caribbean

Workshop on census data dissemination
using REDATAM - Grenada and Barbados
28–30 November 2022
Saint George's, Grenada

LIMITED
LC/CAR/2023/4
4 January 2023
ORIGINAL: ENGLISH

REPORT OF THE WORKSHOP ON CENSUS DATA DISSEMINATION USING REDATAM

GRENADA AND BARBADOS

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A. INTRODUCTION

1. Subregional capacity building in census data processing and dissemination

1. National population and housing censuses are not only a key source of demographic and social statistics in their own right but also provide input data for the calculation of many other social and economic statistics. They are therefore of critical importance to national statistical systems and, by extension, to national development planning, policymaking, and monitoring international commitments such as the Sustainable Development Goals.

2. Since the 2000 round of population and housing censuses, ECLAC has sought to make Caribbean census data more widely available to policymakers, researchers and the public by promoting and supporting the use of the Retrieval of Data for Small Areas by Microcomputer (REDATAM) software for online dissemination of census data. ECLAC carried out 13 REDATAM workshops in the Caribbean between 2008 and 2022. These were a mixture of regional and national workshops and included two online workshops in 2020 and 2021 when face-to-face workshops were not possible. At the time of writing, nine member States have made their data from the 2010 round of censuses available online through REDATAM. This represents an improvement over the 2000 round when four countries implemented REDATAM.

3. The nine Caribbean countries that have made data from one or more censuses available online through REDATAM are: Antigua and Barbuda, Aruba, Belize, Cayman Islands, Jamaica, Montserrat, Saint Lucia, Saint Vincent and the Grenadines, and Trinidad and Tobago. The main purpose of this workshop was to support Grenada and Barbados in making their 2011 census data available online and, in so doing, prepare these two statistical offices to make their 2020 census round data available online as soon as it becomes available.

2. REDATAM: a tool for census dissemination

4. Providing easy access to census data is one of the best ways that a statistical office can encourage wider use of the data for decision making and development planning. Caribbean statistical offices disseminate census data in various forms, for example census reports, REDATAM applications, and through the release of anonymized microdata. While traditional census reports are perhaps the first port of call for users of census data, REDATAM applications provide controlled access to census microdata thereby allowing users to generate customized tables, indicators, graphs and maps in accordance with their own needs. These applications provide users with much richer and more flexible access to the data, for example the ability to disaggregate data by sex, age, ethnicity, employment status, health status, disability status or any other variable of interest, while still protecting the confidentiality of individual census records.

5. The REDATAM software is developed and supported by the Economic Commission for Latin America and the Caribbean (ECLAC). In the pre-Internet era, it was a tool for census data processing and tabulation, before being developed to enable the provision of online access to census and survey microdata. The software can also be used for dissemination via CD-ROM although this is less common now than it was in the past. The software is used in many Latin American countries and increasingly in the Caribbean. It is also being used by a number of national statistical offices in Africa, Asia and the Pacific. REDATAM has been used primarily to provide access to census data sets, although it can also be used for survey data sets such as living conditions surveys. Improved online access to these data sets can only encourage their use in research, development planning and evidence-based policymaking.

6. The principal objectives of this workshop were to: provide an introduction (or in some cases a reintroduction) to the REDATAM software; and to work towards finalizing web applications for the two countries' 2010 census round datasets. During the weeks following the workshop, ECLAC will continue to work with the statistical offices of Grenada and Barbados with a view to making the web applications publicly available early in the new year.

B. ATTENDANCE AT THE WORKSHOP

1. Place and date of the workshop

7. The workshop on census data dissemination using REDATAM was held from 28 to 30 November 2022 in Saint George's, Grenada.

2. Participation

8. The workshop was targeted at statisticians and IT Officers from two participating organizations. There were eight participants from the Central Statistics Office of Grenada and two participants from the Barbados Statistical Service. The composition of the participants by sex was three women and seven men and the full list of participants appears as annex I of this report.

C. SUMMARY AND KEY OUTCOMES OF THE WORKSHOP

1. Opening session

9. The opening session of the workshop featured remarks from the Director of the Central Statistics Office of Grenada and the Population Affairs Officer, ECLAC subregional headquarters for the Caribbean. The Director of the Central Statistics Office welcomed all the participants and facilitators to the workshop and emphasized that with the upcoming censuses on the horizon, it was a highly opportune moment to implement REDATAM for data dissemination. Making the 2010 census round data available online will put the respective organizations in a better position to disseminate the upcoming census results in a timelier way, as well as providing a comparator for the results of the 2020 census round when they are made available.

10. In his remarks, the Population Affairs Officer of ECLAC subregional headquarters for the Caribbean explained the potential of the REDATAM software for expanding access to census and survey microdata and described the role of ECLAC in providing support and training in the use of the software. He emphasized that the main aim of the workshop was to facilitate the development of web applications for the national census data sets and restated ECLAC's commitment to provide whatever support was necessary in order to achieve this.

2. Organization of work

11. The workshop was organized using a three-day format similar to that employed in the last face-to-face workshop carried out before the COVID-19 pandemic, which was held in Saint Kitts and Nevis in November 2019. These three-day workshops compare with a two-week format which is used to provide a complete training in all the modules of the REDATAM software. The shorter format is employed where many of the participants have already participated in a REDATAM training and the intention is to follow-up and build on that previous training, and to focus on finalizing the release of

a REDATAM application. In this case, many of the participants from the statistical offices of Grenada and Barbados had participated in a two-week workshop held in Grenada in 2014.

12. In advance of this workshop, ECLAC worked on the preparation of the census data sets and web applications for both countries. A major part of the three-day workshop was then devoted to demonstrating how the web applications worked and how they had been constructed, while the participants reviewed the applications and discussed some aspects of their design, such as those related to disclosure control. These web applications will be finalized over the coming weeks so that they can be made available online.

13. During the first day and a half of the workshop, the Population Affairs Officer of ECLAC subregional headquarters for the Caribbean presented and demonstrated the functionality of the web applications that had been prepared. The applications were then installed on the participants' laptops and they had an opportunity to further review and test them. Various aspects of the design and build of the applications were discussed. In the second half of the workshop, the Statistics Assistant of ECLAC subregional headquarters for the Caribbean covered REDATAM database creation using the create module and recoding of variables using the process module, both of which will be necessary to create web applications for the 2020 census round data when it is available.

3. Closing session and the way forward

14. A closing session was held on the final afternoon of the workshop and there was a discussion of the outstanding tasks that will need to be completed to make the applications available online. In respect of both the Grenada and Barbados web applications, the main task to be carried out in order to finalize them and put them online will be to make a final determination regarding the level of detail to be released in the web application, taking care to ensure that the census microdata is well protected.

4. Summary of post-workshop evaluation

15. Annex II provides a summary of participants' responses to the evaluation questionnaire administered at the end of the workshop. The evaluation confirmed a generally high level of satisfaction with the workshop, with all participants giving the workshop an overall rating of good or excellent. The technical content of the workshop also receiving ratings of good or excellent from all participants.

Annex I**LIST OF PARTICIPANTS****Central Statistics Office, Ministry for Finance, Grenada**

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Annex II

WORKSHOP EVALUATION

Total number of participants = 10

Number of evaluation forms submitted = 10

Response rate = 100 per cent

1. How would you rate the training overall?

	Excellent	Good	Regular	Poor	Very poor	Not sure/ no response	Total
N	5	5	0	0	0	0	10
%	50	50	0	0	0	0	100

2. How would you rate the technical content of the workshop?

	Excellent	Good	Regular	Poor	Very poor	Not sure/ no response	Total
N	4	6	0	0	0	0	10
%	40	60	0	0	0	0	100

3. Did the workshop meet your initial expectations?

	Yes	No	Not sure/no response	Total
N	8	0	2	10
%	80	0	20	100

4. How relevant was the training for the work of your institution?

	Very relevant	Relevant	Somewhat relevant	Not relevant	Not sure/no response	Total
N	9	1	0	0	0	10
%	90	10	0	0	0	100

5. How would you improve this workshop in terms of the subjects addressed (for example, issues you would have liked to address or analyze in greater depth or subjects which were not so important)?

- Longer overall length of the workshop
- More focus on changing "inl" files
- Creation of SDG indicators would have been an excellent component

- Manual could be provided
- All topics covered were quite relevant, more exercises could have helped, but the ones done were adequate
- Infographics should be included as a functionality in the application
- More aspects of Red Process

6. How useful did you find the training for strengthening your capacity to develop REDATAM applications for the dissemination of microdata?

	Very useful	Useful	Regular	Not very useful	Not useful at all	Not sure/ no response	Total
N	7	3	0	0	0	0	10
%	70	30	0	0	0	0	100

7. How useful did you find the workshop for engaging in discussions and exchanging experiences with representatives of other institutions?

	Very useful	Useful	Regular	Not very useful	Not useful at all	Not sure/ no response	Total
N	7	2	1	0	0	0	10
%	70	20	10	0	0	0	100

8. How would you rate the organization of the workshop? If you choose “poor” or “very poor” please explain your response so that we can take your opinion into account.

		Excellent	Good	Regular	Poor	Very poor	Not sure/ no response	Total
Quality of documents and materials provided	N	4	6	0	0	0	0	10
	%	40	60	0	0	0	0	100
Duration of the sessions and time for debate/questions	N	2	6	2	0	0	0	10
	%	20	60	20	0	0	0	100
Quality of the infrastructure (room, sound, catering)	N	4	1	5	0	0	0	10
	%	40	10	50	0	0	0	100

9. Based on the ratings selected above, please indicate what worked well and what could be improved.

- The exercises were very good
- The workshop and the venue were very good, and the presenters did a good job
- The practical aspects of setting up, importing and editing data was the most useful
- Everything was well. More time is needed for coding and building application
- The level of the interaction between facilitators and participants was very good
- The presentations were very good; however, it could have been a bit more interactive on the first day
- The projection was difficult to see because of the projector

10. Do you have any other comments or suggestions on the organizational aspects of the workshop?


- It would be useful to give the steps that should be followed in hard copy

11. What additional technical cooperation activities in the field of population and development or statistics would you suggest that ECLAC undertake in the future?

- Data organisation and assistance with GIS
- SDG indicators

Annex III

SCREENSHOT OF REDATAM APPLICATION FOR GRENADA CENSUS 2011



Grenada 2011 Population and Housing Census
Central Statistical Office

BASIC TABULATIONS

FREQUENCY TABLES

CROSS TABULATIONS

Persons (Two-way crosstabs)

Persons (Three-way crosstabs)

Households (3-way crosstabs)

AREA LISTS

COUNTS

SOCIAL AND DEMOGRAPHIC INDICATORS

INFORMATION

REDATAM

TABLE

ECLAC/CELADE Redatam+SP 12/21/2022

Database
Grenada 2011 Population and Housing Census

Geographic Area
All Database

Crosstab
of 36. Sex
by 37. Age in 10 year groups

36. Sex	37. Age in 10 year groups									Total
	0-9 years	10-19 years	20-29 years	30-39 years	40-49 years	50-59 years	60-69 years	70-79 years	80 and over	
Male	8 095	9 383	9 621	6 720	6 568	5 904	3 339	2 279	1 098	53 008
Female	7 737	9 143	9 509	6 454	6 264	5 506	3 407	2 672	1 841	52 533
Total	15 833	18 527	19 129	13 174	12 832	11 410	6 746	4 951	2 939	105 541

2011 Census processed with Redatam WebServer
UNECLAC and the Government of Grenada

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