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User's Manual for CBMS StatSimPro 5.0

February 2012

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This work was carried out by the PEP-Asia CBMS Network with the financial support of the Government of Canada provided through the International Development Research Centre (IDRC) and the Canadian International Development Agency (CIDA)



User's Manual for CBMS StatSimPro version 5.0

I. Introduction

This manual contains guidelines and instructions on the use of the CBMS Statistics Simulator (StatSimPro version 5.0.) designed and customized for the LGU partners of the CBMS Network.

The StatSim is a MySQL application developed to simulate simple computations and tabulations usually done using statistical software or other tabulation applications and also to export indicators for use in dissemination such as tables and maps. Although this has the mentioned capability, this is not intended to replace the use of more sophisticated statistical software like SAS, Stata or SPSS.

A. System Configuration

It is recommended that the following system configuration should be met for better and faster processing:

- Intel Core processor or higher
- > 1GB of RAM
- SVGA monitor
- Mouse
- IGB of free hard drive space
- Microsoft Windows XP, 32-bit Vista, 32-bit and 64-bit Windows 7
- Microsoft Office 2003

B. Installation

The step-by-step installation procedure below will update the existing CBMS encoding system in the computer. The installation is quick and simple.

Steps in installing the software:

- 1. Insert the installation CD provided by the CBMS Team in the computer's CD-ROM drive
- 2. The setup menu will automatically popup. If it does not, open windows explorer and double click the CD drive where the CD is located and run "manage.exe".
- 3. The StatSim Pro 5.0 setup will prepare the Installation Wizard.

		à.
-J.	StatSim Pro 5.0 - InstallShield Wizard	
7. 🗾	Please wait while the InstallShield Wizard prepares the setup.	
O. /	StatSim Pro 5.0 Setup is preparing the InstallShield Wizard, which will guide you through the rest of the setup process. Please wait.	- 1
Mia.		12
~~V	InstallShield	
	Cancel	

4. The Installation Wizard will start. Click "Next" to proceed with the installation.





5. The setup will require the user to accept the agreement upon using the software. After agreeing on the terms, click "Next".

N

License Agreement Please read the following license agreement carefully.	1
Intis software is specifically developed for the Community-Based Monitoring System Survey Processing and is provided for free to partner local government units. Please be sure that you fully understand the terms for the utilization of this software. Should you have any comments or suggestions, please contact the developer: PEP-CBMS Network John Flor Angelo King International Center Marine Marine	Bullo

6. A pop-up screen will appear asking for Customer Information. Enter the name of the user as well as the company/office name. Click "Next".

	StatSim Pro 5.0 - InstallShield Wizard	
4	Customer Information Please enter your information.	6
	Please enter your name and the name of the company for which you work.	S
and the second s	User Name:	
20	Company Name:	22
~N	InstallShield	-
~ I	<back next=""> Cancel</back>	



7. The user will be prompted to select a set-up type. Select Complete and Click "Next".

	StatSim Pro 5.0 - InstallShield Wizard	X	
	Setup Type Select the setup type to install.	A.	
	Please select a setup type.		
	 Complete All program features will be installed. (Requires the r 	most disk space.)	
		, ,	
21/1	Custom	Pagammandad for	
21-	advanced users.	Neconimended for	1
			11
	InstallShield		1
-0'	< Back	Next > Cancel	Co.
Q Click Install to begin the last	tellation		2.
8. Click install to begin the ins	stallation.		12
5	StatSim Pro 5.0 - InstallShield Wizard	×	Contra I
	Ready to Install the Program		- 0
			1 3
	Click Install to begin the installation.		
	If you want to review or change any of your installation settings, cli the wizard.	lick Back. Click Cancel to exit	-
			- (O
			and the second se
			10
	nstallShield		
	< Back	Install	

9. A pop-up screen will appear informing that the InstallShield Wizard has successfully installed CBMS StatSimPro 5.0. Click "Finish".

StatSimPro 5.0. Click "Fin	iish".	
- 	StatSim Pro 5.0 - InstallShield	Wizard
		InstallShield Wizard Complete
		The InstallShield Wizard has successfully installed StatSim Pro 5.0. Click Finish to exit the wizard.
172		
YQA.		
-N		
· · · · ·		
		< Back Finish Cancel



II. General instructions

- Set-up and maintain a computer that will serve as your data repository. This computer should store all encoded text files and NRDB files.
- Before using the StatSim for processing and consolidating your data, check first for the accuracy and consistency of your text files.
- If needed, perform concatenation procedure (refer to Section III of the User's Manual for the Computerized Data Encoding System) to merge encoded household data from same barangays. This is crucial prior to the simulation process.
- Check the matching of households in the encoded data and digitized spot map using the Household Identification Number. Complete matching of households for both datasets must be attained before processing to avoid repeating the steps.
- The application will guide the user through the process through clicks and dialogs.
- Create a copy of the CBMSdatabase folder in a remote area which will serve as back-up.

III. Preparing Encoded Data for StatSim Processing

A. CBMS Database Structure

By now, the encoders and processors are most likely familiar with the file structure of the CBMS Database. However, it must still be noted that the general file/folder structure of the CBMS Database is:

C:\CBMSDatabase\<Region>\<Province>\<Municipality>\<Barangay>

The folder structure was designed so that the encoded data are stored by barangay. Thus, each barangay folders contains the text (ASCII) file where the household data are stored. Recall that the folder names make use of the Philippine Standard Geographic Codes (PSGC). For instance, if the encoded data of interest is Brgy. Pila, San Pascual, Batangas, the target file will be:

C:\CBMSDatabase\04\10\26\019\041026019.hpq

The file path above refers to the folder containing the encoded data (**041026019.hpq**) of Barangay Pila (019), San Pascual (26) in Batangas (10) in Region IVA (04). The folder structure is the same in all computers used for encoding.

IV. Generating Indicators through the CBMS StatSim Pro

A. Opening the StatSim

- 1. Starting the StatSim application
- a. Click on the shortcut icon from the desktop



b. Click on the shortcut icon in the Start Menu





c. Click Start, click on All Programs, select CBMS Database and click on StatSimPro 5.0

	😂 StatSimPro 5.0 🕞
 All Programs 	◀ Back
Search programs and files	Search programs and files
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	and all all and a second se

2. Initializing the StatSim database

a. The Login window will appear. For the username, default is "**admin**". There is no password required. Change the database name according to the name of the province and municipality/city. Example: bulacan_hagonoy. Click the button **OK**.

-0'	CBMS StatSim	ro EsimPro 5	1°2	
	Log Information:			
	Host:	localhost	· · · · · · · · · · · · · · · · · · ·	
	Port:	3306		
and the second s	Username:	admin		
	Password:			
	Database:	bulacan_hagonoy 👻		1
		OK Cancel		1

b. Another window will appear saying that the database still does not exist. Click **Yes** to create and initialize the database. Note: The next time the user will open StatSimPro 5.0, the database is already in the pulldown list.

StatSimPro 🛛 🕅)
Database 'bulacan_hagonoy' still does not exist. Do you want to create and initialize it?	
Yes No	
TAXABLE INCOME.	

c. The StatsimPro is a menu and dialog driven application. Thus, the user only has to click and select from among the options to proceed and generate the desired outputs. Statsim is also a customized application for a specific CBMS questionnaire version and local government unit (LGU) using the said questionnaire version, thus all information contained in questionnaire can be derived and processed for the LGU. Each questionnaire is differentiated by the HPQ version number.

Note that this 1st version of StatSimPro 5.0 released October 2011 is specifically for the latest CBMS HPQ version 01201101.

d. Configuring the database means specifying the level to be municipal, provincial or regional database. For this example, create a municipal database.



				OK
Municipality 👻	View selection	Change selection	1	Cancel
CBMS Database (C:\CBMSDatabase\) - 6 🔺	Selection:			
	Municipality	munID	Municipality	munID
III - CENTRAL LUZON - 03000000		6		
- PAMPANGA - 035400000				
			\bigcirc	
		6		
BULACAN - 031400000				
VA - SOUTHERN TAGALOG (CALA		6		
		10		

e. Click the button View selection. From the listed municipalities, double click on the name of the municipality and Click OK. For this example, StatSim database for the municipality of Hagonoy in Bulacan will be created.

	Attern Configure the Database Specify level: Nuncessity C MS Contacts C : CEMPSofthater() - C C MS Contacts C : C C MS Contacts
The StatSimPro 5.0 interface will	now open.
Quick Access Toolbar	Main Tabs Database Name CBMS StatSimPro: BULACAN-HAGONOY Style * @
CRMS Core Indicators	StatSim Report 1 ×
Tree View	 CBMS StatSimPro 5.0 The PEP-CBMS Network Coordinating Team Developed by the PEP-CBMS Network Coordinating Team of the Angelo King Institute for Economic and Business Studies with the financial support of the government of Canada provided through the International Development Research CEMS
Status Bar	
	Table View



Note: When you are opening a configured database, you will not need to do the procedures discussed in (b) to (e).

- 1. Application Button shows a menu of file-related commands such as New, Print and etc.
- 2. Quick Access Toolbar a customizable toolbar that displays the frequently used commands.
- 3. Main Tabs- display the main features and functions of the system. There are 3 main tabs:
 - a. Home under this tab, the user can import and export data, show or hide the status bar, and manage the report windows.
 - b. Data this tab is divided into 2 groups related to data management. Under this tab, the user can manage the created database, reprocess or update the imported data, match data with digitized households in NRDB, and edit thresholds to be used in processing.
 - c. Stats/Indicators enables the user to directly access the HPQ or BPQ crosstabs of CSPro, NRDB, Encoding system and StatSim 4.0. Users can also create or customize reports other than the automatically generated reports using the execute SQL feature.
- 4. Database Name displays name of the database being accessed.
- 5. Tree View shows the hierarchical view of the available reports generated by the system. There are 3 categories of automatically generated reports in the tree view namely CBMS Core Indicators, LGU Specific Indicators and CBMS composite Index. Each category can be expanded to reveal the sub-items.
- 6. Status Bar found at the bottom of the user interface. It shows the progress of the importing and processing of data.
- 7. Table View displays the reports selected in the tree view.

B. Importing CBMS Data

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This section will guide you through the process of importing your encoded data file into the StatSimPro. In the importing process, the StatSimPro transforms the encoded data into a database ready for further processing and tabulation.

1. To import an encoded barangay data, go to Home in the main tab, then select Import.



The user has 2 ways of importing the encoded data: one is the option to select the text file through the **Auto** selection of levels and the other is by the **Specify path** option.





a. Auto Selection of levels

The geopolitical levels are pre-specified following the Philippine Standard Geographic Code (PSGC) folder structure. In the example below, the selection starts from the region, next is the province, followed by the list of municipalities (viewed in the first box) and all barangays under each municipality. The list of barangays can be seen at the second box in the window. Selecting the barangays is easy as selection buttons are present between the second and third box. The third box contains barangays which have been selected from the second box.



b. Specify path

The specify path options allow the user to manually select the encoded data similar to opening files using windows explorer.

- 1. In the window, click the button Add to open the browser.
- From the browser, select the text file. Usually, as instructed during the training, all the text files follow the PSGC folder structure. For example, in selecting the text file of Brgy. Abulalas, Hagonoy, Bulacan select the text file 031409001.hpq from the folder C:\CBMSDatabase\03\14\09\001.





- 3. After selecting the text file/files from the auto selection of levels or through specifying the paths, click **OK** to start.
- 4. After the selected files have been imported, a window will appear to ask if the user wants to import another set of data. Click Yes button to add again using the same process or No if user is already done importing desired text files.



5. Another window will appear, click Yes to start the processing.

?	Do you want to start the pr	ocessing?

6. A window will appear to ask if the user wants to edit the Purok names. Recall that in the CSPro-based encoding system, all puroks are encoded as codes to reduce mismatches in names.



This step is very crucial because the labels/names of the puroks in this section must match their names in the NRDB file since matching of these files is both case- and space-sensitive.

7. Click **Yes** to edit the Purok names.

	StatSimPro		83	
	20	to you want to edit the Puroks?		
U		Yes No		6

8. Double-click on the PurokName or click Edit to change the names. After editing all the names, click OK.

Region	regnID			
III - CENTRAL LU	03000000			
		PurokName	purokID	ОК
		Purok 1	03140900101	Cancel
		Purok 2	03140900102	
		Purok 3	03140900103	
		Purok 4	03140900104	
		Purok 5	03140900105	Edit
		Purok 6	03140900106	
		Purok 10	03140900110	

9. The user will now be prompted to select at what level the data will be processed. User can select from the label in the first box and click the button to specify the desired geopolitical levels.



C. Processing CBMS Data

1. 13+1 Core Indicators

The user will be asked if he/she wants to process the CBMS core indicators. Click Yes to proceed.



StatSimPro	8
Do you want to process the 13+1 indicators?	
Yes No	

While StatSim is processing, you will see the status of the processing activity at the lower left of the page. Please note that the length of time required in processing the data depends on the size of the file, number of text files that the user is processing and the number of selected levels (region, province, municipality, barangay, purok and households). When done, the user will be prompted that processing has been completed. Also, the status bar will now indicate "**ready**" or "**done**".

<u> </u>	Processing has been completed.
	ОК

2. Millennium Development Goals Indicators

Localized MDG indicators can also be processed in the StatsimPro 5.0. To generate the table containing MDG indicators, go to **Data** and click **Process/Update**. Select **Process Millennium Development Goals**.

	Data Stats/Indicators	Q
	Process/update Core Indicators Process Millennium Development Goals Ind Process Other Key Indicators Vide Process Climate Change Related Indicators aries or programs s of programs	S
Then, select the levels to process and	d click OK.	5
/	StatSim: Select levels to process	194
Ton on	Selection	2
	1	

3. Other Key Indicators

StatSim Pro 5.0 can also process and generate results on other key indicators that are related to programs, community participation, migration, Senior Citizens, PWDs, Solo parents and others. To process these indicators, go to **Data** and click **Process/Update**. Select **Process Other Key Indicators**.



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Then, select the levels to process and click OK.

				ОК
label eler	ment	label	element	Cance
Region reg	• 🕟	Purok	purok	
Province pro	v 🖂	Barangay	brgy	
Municipality mur				

4. Climate Change-Related Indicators

The updated CBMS questionnaire includes climate change-related questions. All these data can also be processed using StatSim Pro 5.0. To process, go to **Data** and click **Process/Update**. Select **Process Climate Change-Related Indicators.**



Then, select the levels to process and click OK.

. /	StatSim: Select level	s to process				1
~~ I	Selection				ок	
<	label	element	label	element	Cancel	
O. /	Region Province Municipality	regn prov mun	Direction Purok Barangay	purok brgy		
Mio.	<	•		,		
Displaying the CBMS Data	19	1.1	\cap n	B	S	0
	1.00	-	ЧH	·~		

1. Core Indicators

D.

To view the data, the StatSim contains the tree view of the report tables in the left side of the interface. To display the CBMS Core Indicators, click on the **CBMS Core Indicators** in the report view. Choose the level of the data you wish to view. If you choose to display the CBMS Core Indicators at the barangay level, then you will be able to view an output similar to the one displayed below:

9	MAN)
	ZAX .
3	W MUDBURN
	CBMS
x	

Home Data Stats/Indicators									Sty
port Export Files View. Windows									
	StatSim Report 1 StatSim Report 2 ×								
CBMS Core Indicators CBMS Core Indicators, Region CBMS Core Indicators, Province CBMS Core Indicators, Municipality CBMS Core Indicators, Barangay CBMS Core Indicators, Purok	CBMS StatSim Pro 5.0 CBMS Core Indicators, Barangay The 13+1 dimensions of poverty		Province: City/Municip Barangay:	oality:		BULACA HAGONC Abulalas	N, III - CEI 9Y	NTRAL LU	JZON
CBMS Core Indicators, Household Demography		House	nolds	İ.		Popul	ation		
Health and Nutrition	Indicator	Magnitude	Proportion	1	Magnitude		F	roportion	
Water and Sanitation		mugintude	Troportion	Total	Male	Female	Total	Male	Female
Basic education and literacy	DEMOGRAPHY								
O Employment O Peace and Order	Population	144		599	306	293	100	51.1	48.9
Other Key Indicators	Average household size	4							
Millennium Development Goals (MDGs)	Children under 1 year old	8	5.6	9	5	4	1.5	1.6	1.4
Comprehensive Development Plan (CDP) Tables	Children under 5 years old	44	29.9	60	32	28	10.0	10.5	9.6
Climate change Pelated (CCP) Indicators		45	31.2	65	34	31	10.9	11.1	10.6
Climate-change Related (CCR) Indicators Barangay Profile Questionnaire (BPQ) Tables	Children 0-5 years old			223					
Climate-change Related (CCR) Indicators Barangay Profile Questionnaire (BPQ) Tables	Children 0-5 years old Children 6-11 years old	54	37.5	77	42	35	12.9	13.7	11.9

If you choose to display the CBMS Core Indicators at the household level, below is the sample output:



Users can simultaneously display reports by clicking on the specific sector and indicator then chose the level of data to view. Every time the user selects a report, a new window will open and display the selected report. For example, to view the prevalence of malnutrition at the purok level, below is the output report that shows data for all puroks of Brgy. Abulalas.



CBMS Core Indicators Agion CBMS Core Indicators, Region CBMS Core Indicators, Province CBMS Core Indicators, Municipality CBMS Core Indicators, Barangay CBMS Core Indicators, Purok CBMS Core Indicators, Household CBMS Core Indicators, Household CBMS Core Indicators, Household CBMS Core Indicators, Household	Health and Nutrition Province: BULACAN, III - CENTRAL LUZON City/Municipality: HAGONOY Prevalence of Malnutrition, Purok Barangay: Abulalas									
Prevalence of Malnutrition, Region				and all		mai	nourished child	ren 0-5 years o	old*	
Prevalence of Malnutrition, Province	purok	number o	umber of children 0-5 years old		Magnitude*				Proportion**	
		Total	Male	Female	Total	Male	Female	Total	Male	Female
Prevalence of Malnutrition, Barangay Prevalence of Malnutrition, Purok	Abulalas	65	34	31	1	1	0	1.54	2.94	0.00
child deaths	Purek 01	30	22	17	0	0	0	0.00	0.00	0.00
women who died due to pregnancy relate	Purek 02	0	0	0	0	0	0	0.00	0.00	0.00
Nutrition status	Purek 03	9	6	4	0	0	0	0.00	0.00	0.00
Cause of death	Purok 04	5	0	4	0	0	0	0.00	0.00	0.00
🕀 🔮 Housing	Purok 05	13	6	8	1	1	0	7.69	20.00	0.00
🕀 😔 Water and Sanitation	Purek 06	15	2	2	0	0	0	0.00	0.00	0.00
Basic education and literacy	Purek 10	4	0	2	0	0	0	0.00	0.00	0.00
Decore Decore	*Malnourished children 0-5 ye **Number of malnourished chil Source: CBMS 2010 - 2011 Source: CBMS 2010 - 2011	ars old or childrer Idren 0-5 years ol	who are modera d over number of	tely or severely children 0-5 yea	underweight ars old			0.00	0.00	
PEP-CBMS Network Coordinating Team									2	115

- 2. Users can also view the following reports automatically computed by StatSim Pro:
- a. Other Key Indicators

Automatically-generated reports are now available for selected key indicators found in the HPQ.

	BP BP Status Bat Mindows *					
		StatSim Report 1 StatSin	Report 2 ×			*
	CBMS Core Indicators CBMS Core Indicators CBMS (Programs Detribution of programs) CBMS (Programs) CBMS (Progr	Beneficiaries of p Types of programs, B Tabl	rogram arangay e 1. Types o	Province: City/Municipality: Barangay f programs, by Baranga	BULACAN, III . CENTRAL LUZON HAGONOY Abulalas	0
	Persons with disability (PWD)	Barangay	number of	Types of pro	grams*	100
	Household health		INVERTINES	Magnitude*	Proportion**	- 19 C
	Members of Indigenous Tribe Members with SSS/GSIS	Abulalas	144			1/2
4	Members who passed board/bar exam Members who are solo parents Members who are solo parents Menseholds by type of garbage collection G Entrepreneurial activities	Pantawid Pamilyang Pilipino Program (4Ps) - Conditional Cash Transfer		2	1.39	F
	CBMS Composite Index (CCI)	NFA rice program	()	1	0.69	
		Agrarian Reform Program (CARP)		0	0.00	
		200 D			0.00	

b. CBMS Composite Index

There are 14 basic needs (14 CMS core indicators) that each household should meet. The CBMS Composite Index (CCI) is the sum of all unmet needs of the households. For example, HH#1 have (1) income below poverty threshold; (2) have children who are malnourished; and (3) have children who are not attending elementary school. Thus, the CCI of HH#1 is 3. Below is a sample output. Note that the list is sorted according to the lowest to the highest CBMS Composite Index. This index is useful in targeting beneficiaries of programs. In terms of the 14 multi-dimensional indicators of poverty, the higher the number of CCI, the poorer the household is.

		StatSimPi	ro: BULACAN_H/	AGONOY				
Home Data Stats/Indicators	StatSim Report 1 Sta	atSim Report 2 🗙						
CBMS Core Indicators Region CBMS Core Indicators, Region CBMS Core Indicators, Province CBMS Core Indicators, Municipality CBMS Core Indicators, Brangay CBMS Core Indicators, Purok	CBMS StatSim CBMS Composite Ind Average number of unit	Pro 5.0 lex (CCI), Household met needs						
CBMS Core Indicators, Household Demography	hhid	region	province	municipality	barangay	purokname		hh_cci
Health and Nutrition	03140900103000015	III - CENTRAL LUZON	BULACAN	HAGONOY	Abulalas	Purok 03		0
mainourished children Prevalence of Mainutrition, Region	03140900101000468	III - CENTRAL LUZON	BULACAN	HAGONOY	Abulalas	Purok 01		0
Prevalence of Malnutrition, Province	03140900101000467	III - CENTRAL LUZON	BULACAN	HAGONOY	Abulalas	Purok 01	ff	0
Prevalence of Mainutrition, Municipa	03140900101000466	III - CENTRAL LUZON	BULACAN	HAGONOY	Abulalas	Purok 01	.E	0
Prevalence of Malnutrition, Purok	03140900103000005	III - CENTRAL LUZON	BULACAN	HAGONOY	Abulalas	Purok 03	a	0
women who died due to pregnancy relate	03140900101000461	III - CENTRAL LUZON	BULACAN	HAGONOY	Abulalas	Purok 01	Ę	0
Nutrition status	03140900101000460	III - CENTRAL LUZON	BULACAN	HAGONOY	Abulalas	Purok 01	en	0
O Housing	03140900101000456	III - CENTRAL LUZON	BULACAN	HAGONOY	Abulalas	Purok 01	id	0
Water and Sanitation	03140900101000454	III - CENTRAL LUZON	BULACAN	HAGONOY	Abulalas	Purok 01	uf	0
. One	03140900101000451	III - CENTRAL LUZON	BULACAN	HAGONOY	Abulalas	Purok 01	ō	0
Employment +	03140900101000469	III - CENTRAL LUZON	BULACAN	HAGONOY	Abulalas	Purok 01		0
	03140900101000631	III - CENTRAL LUZON	BULACAN	HAGONOY	Abulalas	Purok 01		0
	03140900103000014	III - CENTRAL LUZON	BULACAN	HAGONOY	Abulalas	Purok 03		0
) *	03140900103000014	III - CENTRAL LUZON	BULACAN	HAGONOY	Abulalas	Purok 03		0

At the purok and higher geopolitical levels, the CCI is the *average household scores* at that level. In the example below, the average unmet needs of the households in Brgy. Abulalas is 1. This number is useful in targeting barangays with the highest average unmet needs.

CBMS Core Indicators, Region CBMS Core Indicators, Province CBMS Core Indicators, Municipality CBMS Core Indicators, Barangay CBMS Core Indicators, Purok	CBMS S CBMS Com Average nun	tatSim Pro 5.0 posite Index (CCI), Bara nber of unmet needs	ngay			
CBMS Core Indicators, Household CBMS Composite Index (CCI)	brgyid	region	province	municipality	barangay	brgy_cci
CBMS Composite Index (CCI), Region	031409001	III - CENTRAL LUZON	BULACAN	HAGONOY	Abulalas	1.1528
CBMS Composite Index (CCI), Province CBMS Composite Index (CCI), Municipality CBMS Composite Index (CCI), Barangay CBMS Composite Index (CCI), Purok CBMS Composite Index (CCI), Hourshold		•	•			

Among puroks, Purok 04 has the highest average unmet needs.





c. Millennium Development Goals

	Class bible 7 MILLION Threatholds								
	Process/Update								
	Connection Processing								
	and a second	StatSim Report 12 StatSim Report 13 StatSim Report 14	StatSim Report 15	StatSim Repo	rt 16 StatS	m Report 17	×		_
	Other Key Indicators Other Key Indica	CBMS StatSim Pro 5.0 Millennium Development Goals (MDGs), Barange MDG Indicators using CBMS	ay	Province: City/Municip Barangay:	ality:		BULACAN, II HAGONOY Abulalas	I - CENTRAL	LUZO
	- Millennium Development Goals (MDGs), Baranga	Millennium Development Goals (MDGs), Barange				Population			
	Millennium Development Goals (MDGs), Purok	Millennium Development Goals (MDGs), Purok Millennium Development Goals			1.La	gnitude	Proportion		
	Comprehensive Development vian (CDV) racies G Climate-change Related (CCR) Indicators				Total	Maie	Female	Total	Mai
	Barangay Profile Questionnaire (BPQ) Tables	Goal 1. Eradicate Extreme Poverty and Hunger							_
		Proportion of population living below poverty threshold	57	39.6	267	140	127	44.6	
		Proportion of population with income below food threshold	31	21.5	155	79	76	25.9	
				0.2				0.2	
- 4		Poverty Gap Ratio							
1		Poverty Gap Ratio Proportion of population who experienced food shortage	0	0.0	0	0	0	0.0	
2	x x	Poverty Gap Ratio Proportion of population who experienced food shortage Employment rate	0	0.0	0 194	0 133	0 61	0.0 93.7	

d. Comprehensive Development Plan

Recet Database					ndra , išt	-
Clear HH - Process/Update						-
Connection Processing						
	StatSim Report 12 StatS	m Report 1	B Stat	Report 14 StatSim Report 15 StatSim Report 16 x	÷	
CBMS Core Indicators Other Key Indicators CBMS Composite Index (CCI) Other Innium Development Goals (MDGs) Comprehensive Development Plan (CDP) Tables Omprehensive Development Plan (CDP) Tables	CBMS StatSim P Comprehensive Develop Sex by Civil Status: Abula	ment Pla alas, HAO) an (CDP GONOY,	ibles, Barangay LACAN	E	9
 Comprehensive Development Plan (CDP) Tables, 	civstat	sex	Total			
Climate-change Related (CCR) Indicators	Single	170 136	5 306			
Barangay Profile Questionnaire (BPQ) Tables	Married	121 123	3 244			S
	Widow/er	3 17	7 20			
	Divorced / Separated	3 4	4 7			
	Common Law / Live-in	9 13	3 22			the second second
	Total	306 293	599			
	CBMS StatSim P Comprehensive Develop Sex by Age Group: Abula	ro 5.0 ment Pla las, HAC) an (CDP GONOY,	bles, Barangay LACAN		5

e. Climate Change Related Indicators

0		Contractor	and a solution of the solution		-	
Home Data Stats/Indicators						Style +
ceset Database Clear HH - Process/Update - A Rot Thresholds						
connection Processing						
	StatSim Report 12 Sta	atSim Report 13 Stat	Sim Report 14 StatSim Rep	port 15 😥		
Climate change Related (CCR) indicators Apriculture Households in agriculture with decreased in Reason for low harvest households in agriculture with decreased in households in agriculture with decreased in households in agriculture with decreased in Reason for low livestock raised Reason for low livestock raised	Agriculture Households engag agriculture, Purok	jed in	Province: City/Municipality: Barangay	BULACAN, III - CENTRAL LUZON HAGONOY Abulalas		
O Households engaged in fishing O Households in fishing with decreased fish O Reason for low fish catch	Table 1.	Households eng	aged in agriculture, b	by purok		
 Households engaged in fishing Households in fishing with decreased fishing Reason for low fish catch Households who experienced increase in temp Households who experienced more frequent b 	Table 1.	Households eng	aged in agriculture, t Households engage	by purok		
A Households on graged in fishing Aboucholds in fishing with decreased fish Beson for low fish catcher tasses in temp Households who experienced increase in temp Households who experienced more frequent b	Table 1.	Households eng	aged in agriculture, t Households engage Magnitude*	oy purok ed in agriculture* Proportion**		
A Households engaged in fishing A Households in fishing with decreased fish - Asson for low fish activ Households who experienced increase in terms Households who experienced increase in terms Households who experienced decrease in water Households who experienced decrease in water Households who experienced decrease in water Households who experienced more frequent B	Table 1. Purok Abulalas	Households eng	aged in agriculture, t Households engage Magnitude* 12	by purok Id in agriculture* Proportion** 8.33		
A Households engaged in fahing A Households in fahing with decreased finh Season for low finh catch Households who experienced increase in terms Households who experienced more frequent	Table 1.	Households eng	aged in agriculture, b Households engage Magnitude* 12 0	oy purok din agriculture* Proportion** 8.33 0.00		
Auscholds engaged in fahing Auscholds in fahing undercreased finish Auscholds in fahing undercreased finish Auscholds in fahing undercreased finish Auscholds who experimed functions Households who experimed decrease in vature Households who experimed decrease in vature Households who experimed more frequent fi	Table 1.	Households eng	Households engage Magnitude* 12 0 0	ed in agriculture* Proportion** 8.33 0.00 0.00		
Abuscholds engaged in fahing Abuscholds in fahing with decreased fah Resen for low fah cabu fouscholds who experienced increase in term fouscholds who experienced decrease in water Households who experienced more frequent (H	Table 1. Purok Abulalas Purok 01 Purok 02 Purok 03	Households eng	Households engage Magnitude* 12 0 7	by purok d in agriculture* Proportion** 8.33 0.00 0.00 20.59		
Households engaged in fahing Households in fahing which accessed final Households in fahing which accessed final Households who experienced increase in terms Households who experienced increase in terms Households who experienced decrease in water Households who experienced more frequent fi Households who ave firster preparefirstes til contents	Table 1. purok Abulaios Purok 01 Purok 02 Purok 03 Purok 04	Households eng number of households 144 58 9 34 3	Aged in agriculture, the second secon	by purok d in agriculture* Proportioa** 8.33 0.00 0.00 20.59 0.00		
Households engaged in fahing Households in fahing with decreased fah Reason far low fah catch Households who experienced increase in terry Households who experienced decrease in watery Households who experienced decrease in watery Households who experienced decrease in watery Households who experienced moving out/real	Table 1. Purok Abulais Purok 01 Purok 02 Purok 03 Purok 04 Purok 05	Households eng number of households 144 58 9 34 3 32	Agged in agriculture, b Households engage Magnitude* 12 0 0 0 7 7 0 3	by purok bit in agriculture* Proportion**		
Households engaged in fahing Households in fahing undercreased fahing Households in fahing undercreased fahing Households who experienced increase in terms Households who experienced more frequent b Households who experienced more frequent b Households who experienced more frequent Households who ave fainteen Households who have disaster prepareflexes kit contents	Table 1. Purck Abutalas Purck 01 Purck 02 Purck 03 Purck 04 Purck 05 Purck 06	number of households eng 144 58 9 34 3 3 22 7	Aged in agriculture, t Households engage Magminde* 12 0 0 7 0 3 2	by purok d in agriculture* Proportion** 8.33 0.00 0.00 20.59 0.00 9.38 28.57		



E. Customizing Tables

Aside from the automatically generated data, users can also create their own tables using all variables found the HPQ. Kindly refer to Manual on Executing SQL statements to generate CBMS data using Statsim.

F. Matching Households in the Encoded Data and Digitized Barangay Spot Maps

Before exporting the processed dataset into the NRDB Pro, you should ensure that the households in your encoded data (i.e., text file) match with the households in your digitized barangay spot maps. To do this, do the following:

Home Data Stats/Indicators	
P Reset Database Process/Update Process/Update Processing	2

2. You will be prompted to open your NRDB file (i.e., file with .mdb file extension). To do this, go to your CBMSDatabase folder, locate the file and click Open.

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3. A report similar to the one displayed below will be shown in excel. Under the last column with the following heading: ~match, will appear any of the following codes: 1, -1, or 0. Note that Code 1 denotes that the household ID is found in your encoded file but not in the digitized spot map. Code -1 on the other hand, denotes that the household ID is found in the digitized spot map but not found in the encoded file. Code 0 meanwhile denotes that the household ID match on both files, that is, the household ID can be found in both the encoded file as well as in the digitized spot map.



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	4	A	B	C	D	E	F	G	н	-	
	1	Province	municipality	barangay	puroknam	ncn_nrdb	match				
	2	BULACAN	HAGONOY	Abulalas	PUPOK 1	0	1				
	3	BULACAN	HAGONOY	Abulalas	PUPOK 1	2	1				
~`	4	BULACAN	HAGONOY	Abulalas	Purok 1	3	1				10
	5	BULACAN	HAGONOY	Abulalas	Purok 1	4	1				17
S	7	BULACAN	HAGONOY	Abulalas	Purok 1	5	1				2.1
	8	BULACAN	HAGONOY	Abulalas	Purok 2	0	1				ar 1
	9	BULACAN	HAGONOY	Abulalas	Purok 2	1	1				
	10	BULACAN	HAGONOY	Abulalas	Purok 2	6	1				
	11	BULACAN	HAGONOY	Abulalas	Purok 3	0	1				
	12	BULACAN	HAGONOY	Abulalas	Purok 3	1	1				
	13	BULACAN	HAGONOY	Abulalas	Purok 3	2	1				
	14	BULACAN	HAGONOY	Abulalas	Purok 4	5	1				
	15	BULACAN	HAGONOY	Abulalas	Purok 4	8	1				
	16	BULACAN	HAGONOY	Abulalas	Purok 5	0	1				
	17	BULACAN	HAGONOY	Abulalas	Purok 5	1	1				
	18	BULACAN	HAGONOY	Abulalas	Purok 5	2	1				
	19	BULACAN	HAGONOY	Abulalas	Purok 5	3	1				
	20	RULACAN	HAGONOY	Abulalas	Purok 5	5	1	_		*	

Also, a summary report shown as below will be displayed in StatSimPro.

Home Data Stats/Indicators					StatSimPro: BULACA	N_HAGONOY		_ ⊟ X Style * @
	Sta	tSim Report	1 ×					
CBMS Core Indicators GOUS Core Indicators GOUS Configuration (CCI) CBMS Composite Index (CCI)	CBI CBM Check	MS Statisti S Statisti king Dupl	tSim F cs Simula icates in E	Pro 5.0 ator Merge/	Match Report useholds			к
	prov	mun br	gy purok	household instance	frequency			
	14	09 00	1 01	1	58			
	14	09 00	1 02	1	9			
	14	09 00	1 03	1	34			
	14	09 00	1 04	1	3			
	14	09 00	1 05	1	32			
	14	09 00	1 06	1	7			
	14	09 00	1 10	1	1			
	CBI CBM Check	MS Statisti S Statisti king Dupl k baranş	tSim F cs Simula icates in C gay n	Pro 5.0 ator Merge/ CBMS-NRDE	Match Report B Households province househol	frequency		÷
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G. Instructions on Exporting Processed CBMS Data

a. Core Dataset from CBMS StatSimPro to CBMS-NRDB

After processing the CBMS Core Indicators using the Statistics Simulator (StatSim) and ensuring that the household IDs in the encoded file and digitized spot map match, the processed dataset can now be exported into the NRDB Pro in order to map the CBMS indicators.

- 1. From the Home menu, select EXPORT.
- a. To export Core indicators, Select Core Indicators to NRDB.



Select the following levels to process (whichever is applicable): Municipality, Barangay, Purok and Household.

	StatSim	n: Select levels t	to process						
	Sele	ction					ок		and the second s
	lab	pel	element		label	element	Cancel	19 M	
	Re	igion ovince	regn prov		Household Purok	hh purok			and the second sec
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You are now ready to map CBMS Core Indicators using the CBMS-NRDB. Refer to "User's Manual for building the CBMS Database and Poverty Mapping" for the steps.

b. To export CCI, select CBMS Composite Indicators.

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Click OK. The following message box will appear:



Note that all outputs will go to the file Ind_NRDB.mdb in the same path C:\CBMSDatabase\System\Output\

c. To export MDG data, select Millennium Development Goals.

Click OK . The following mess	Home Data Stats/Indicators Provide Status Bar Window Core Indicators to NRDB CBMS Composite Indicators CBMS Composite Indicators PO Indicators Select table age box will appear:		2101
	StatSimPro		
	Exported data contained in 'C:\CBMSDatabase\System\Output\Ind_NR	۱۵۵.mdb'	, Q
		ОК	0

Note that all outputs will go to the file Ind_NRDB.mdb in the same path C:\CBMSDatabase\System\Output\

d. Other Processed tables

Other processed tables can also be exported and opened in MS Excel. From the **Home** menu, select **EXPORT** then select the name of the desired table. The table will automatically open in Excel.

Notes:

- 1. Variables short names are important because the system uses this to make tables. It is important to familiarize oneself with the variable names in the data dictionary.
- 2. You cannot tabulate alphanumeric columns. This means you could not tabulate texts such as occupation, programs, perception, etc.



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Some commonly-used abbreviations/acronyms (please see data dictionary and list of variable names):

- 1. regn—Region code
- 2. prov—Province code
- 3. mun-Municipality code
- 4. brgy—Barangay code
- 5. purok—Purok code
- 6. hcn-household control number/ID
- 7. Prop—proportion
- 8. SWS—Safe water supply
- 9. STF—Sanitary toilet facility
- 10. Death04—Child death (0-4)
- 11. DeathPreg—Death due to pregnancy related causes
- 12. Maln05—Malnutrition
- 13. Squat—Squatters
- 14. MSH—Makeshift housing
- 15. Povp-Poverty
- 16. Subp—Subsistent poverty
- 17. Fshort—Food shortage
- 18. Unempl15ab—Unemployment (15 years old and above)
- 19. Elem612—Elementary participation (6-12)
- 20. Elem611—Elementary participation (6-11)
- 21. HS1316—High school participation (13-16)
- 22. HS1215—High school participation (12-15)

Nev le

- 21. Sch616—School participation (6-16)
- 21. Sch615—School participation (6-15)