

University of the Philippines Manila

College of Arts and Sciences

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NutriMAC:

A Web-based GIS for the Nutritional Monitoring and Assessment of Children 0-71 Months

A Special Problem in Partial Fulfillment

Of the Requirements for the Degree of

Bachelor of Science in Computer Science

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October 2013

ACCEPTANCE SHEET

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ABSTRACT

Operation Timbang is a program organized by the Department of Health that holds the annual mandatory weighing of children 0-71 months. Its primary objective is to monitor and identify the malnourished children. The current paper-based system of Operation Timbang makes data analysis hard and inaccurate. Using maps to visualize data makes interpretation of complex phenomena easier. With the internet, web-based GIS applications can be programmed as part of an interactive system in a website to expand access to public users. NutriMAC is a tool that uses maps to easily interpret trends in malnutrition. It can store children's personal information and anthropometric data which is used to accurately calculate their malnutrition statuses.

Keywords: Operation Timbang, Geographic information system, XML, Spatial Overlay

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CHAPTER I: INTRODUCTION

A. Background of the Study

The maintenance of good health and easy access to adequate healthcare has led to attempts by government and non-governmental outfits to setup public healthcare facilities in various parts of the world [1]. With the use of the internet and by combining healthcare information received continuously from different health sectors and other medical facilities, health agencies can easily spot and combat disease outbreaks [2].

In line with this, the students from the College of Public Health of the University of the Philippines Manila wanted to improve eHealth developments in the country, particularly in the field of Public Health. Their goal is to improve the collection of data for the mobilization and accessibility of healthcare information [3].

Operation Timbang (OPT), a program by the Department of Health, is the annual mandatory weighing of children 0-71 months old [4]. Growth Monitoring and Promotion (GMP) is the regular growth monitoring for the same age group [5]. Both are done in order to identify and locate the malnourished children. Data generated through OPT and GMP are used for local nutrition action planning, particularly in quantifying the number of malnourished and identifying who will be given priority interventions in the community [6].

To monitor the health of these communities, a geographic information system (GIS) can be used. GIS deals with managing, analyzing, and displaying all forms of geographically referenced information. [7].

GIS provides maps to visualize data. It makes interpretation of complex geographical phenomena easier. It also enables identification of patterns for better planning and resource allocations. Mapping provides a visual assessment for monitoring the spatial distribution of a disease and potential associations and underlying causes. Developments in GIS have made the mapping of such information easier [8].

With the internet, web-based GIS applications can be programmed as part of an interactive system in a website to expand access to public users. The web makes the spatial data more accessible to users and enables them to retrieve such data from websites of various data providers, archives and data warehouses [9].

B. Statement of the Problem

In the Philippines, malnutrition continues to be a problem. One of the goals of the Department of Health is to reduce the mortality rate of children under five years old by 67% by 2015. According to the 7th national Nutrition Survey in 2008, an estimated 3.35 million children of age 0-5 years old are underweight with a prevalence of 26.2%. In the barangay level, the National Nutrition Council conducts an annual Operation Timbang (OPT) and Growth Monitoring and Promotion (GMP) to identify children who are malnourished.

The conduct of OPT and GMP is manually done and the results are shown in a tabular form. With the manual analysis of the GMP and OPT data, efficient data collection, processing, presentation and accuracy are hampered. It takes a long time to find out that a trend on malnutrition is becoming more common because the information is maintained mainly on paper. By the time the data have been collated and analyzed, results might not be relevant anymore due to the fast changing health and nutritional status of children.

The analysis of such geographical information is difficult when not viewed over a map. With tabular analysis, one cannot see patterns and trends right away. With maps, one can easily view and assess such information. But at present, there is no existing system in the Philippines that has the capability of providing quick and easy access to the analysis and assessment of healthcare.

C. Objectives of the Study

The main goal of this project is to create a web-based GIS for the monitoring and assessment of children 0-71 months using the information obtained from the Barangay Health Workers (BHW). It has the following functionalities:

1. Stores children's nutritional information for assessment

2. Shows the list of districts within the covered area upon visiting the site
3. Enables the layering of data in order to show the following information in the map:
 - a. Statistical information regarding the underweight prevalence within a chosen province
 - b. Statistical information regarding the severely underweight prevalence within a chosen province
 - c. Statistical information regarding the overweight prevalence within a chosen province
4. This system lets a BHW to:
 - a. Add a child into the database
 - b. Delete a child from the database
 - c. View a child's nutritional information
 - d. Edit a child's nutritional information for the current data collection
 - e. Generate the results of barangays for a specific month
5. This system lets a BHC admin (Barangay Nutrition Committee Chairperson) to:
 - a. Add a BHW into the database
 - b. View individual child data of his respective health center
 - c. View summarized report of the BHC
 - d. View individual summarized report of the barangays in the BHC
 - e. Generate a PDF file of the BHC results for a specific date
6. This system allows a registered system administrator to:
 - a. Approve/Reject user requests
 - b. View summarized reports for a specific city/municipality
 - c. Generate reports for a specific city/municipality
7. This system lets a public user to:
 - a. View the map of a province for a specific date
 - b. Choose the index and malnutrition status to show on the map

D. Significance of the Study

Health sectors face a problem on dissemination of medicine throughout the country. There are certain places that are not given enough allocation while there are places that are given more than what they need. To ensure proper allocation, a web-based system for health monitoring for children is needed.

NutriMAC enables faster analysis of the nutritional data. The summaries can be accessed instantly by individuals with internet connection. The results of OPT and GMP is improved because of the data consistency.

A Web GIS makes it possible to add GIS functionality to a wide range of networked computer applications. Individuals with internet connection are able to access GIS applications from their browsers without having the need to install or buy GIS software.

The NutriMAC map provides faster and more extensive access to information about malnutrition. It also improves the analysis for the monitoring of patterns and trends in malnutrition. This can help the government and health sectors identify and provide proper allocation to affected areas, thus, improving the quality of health services.

E. Scope and Limitations

1. The Malnutrition Map is limited to the districts and barangays covered by the OPT and GMP.
2. The map is limited to the Geocodes of the Google Maps.
3. Use of the maps is limited by the terms and services given by Google Maps.

F. Assumptions

1. The user has an internet connection to access the NutriMAC system.
2. There is only one user per barangay to enter the information.

CHAPTER II: REVIEW OF RELATED LITERATURE

A study made by Shirayama, Phompida, and Shibuya examines the distribution of malaria cases within the districts of Khammouane province, Laos by using GIS maps. A community-based survey is done at 23 sites in the 3 districts. The GIS maps display the uneven distribution of health outcome within the province. Based on the data collected and the map, the ministry staff and local health workers see the need to balance the intervention coverage in the distal villages with the overall coverage and continue promotion of the proper use of insecticide-treated nets [8].

In the study conducted by Evans and Sabel, an open-source web-based GIS is developed as a visualization tool for health assessment exposure. The GIS successfully enables users to see results in real time within their web browsers, without having the need for any additional software, or software training [9].

GIS can be used to investigate accessibility and spatial coverage of the existing primary health facility network. The geographical access and the spatial coverage surfaces produced in the study made by Munoz and Kallestal provide visual tools that can be used as basis for decision-making in planning and resource allocation at the district level. The results show significant variations in geographical accessibility and spatial coverage of the primary health system across the districts of Rwanda [10].

There are models that use GIS maps. One of them is the “Dasymetric modeling” used in the study made by Linard and Tatem. It involves using ancillary data to redistribute populations within administrative units. On the other hand, the smart interpolation involves modeling the fine scale distribution of populations using a range of satellite and other ancillary data. These distributions can be mapped using the new advances made in GIS technologies. Gridded population datasets allow the user to select geographic boundaries of interest independently from administrative boundaries. Population datasets capture spatial heterogeneities observed in disease transmission risk, making the population at risk calculations more accurate [11].

The study made by Bhowmick et al. uses a hybrid GIS-based, highly interactive web atlas that includes links to a database, location information, and access to tabular data. The

iterative design process is used to make rules for a set of general design guidelines that is useful for web-map/atlas design to support public health and dissemination of healthcare [12].

In another study made by Wang et al., GIS is used to store, integrate, analyze, and visualize environmental public health data. The system adopted both Google Maps and the ArcGIS Server. It allows the users to calculate age adjusted rates for any pre-defined political area (zip area, country area, or a region) within the state of Maryland. The project requires experts from different disciplines such as physicians, GIS expert, statistician, and a Web programmer in order to overcome technical difficulties [13].

Another example of web-based GIS is done by Vanmeulebrouk et al. They used open source GIS for HIV/AIDS management. Users can add mapping information to selected areas through a user friendly interface and save them in the central database. A choropleth map is displayed showing the rate of a phenomenon over a particular location in the map. Choropleth mapping is a tool used to visually show socio-economic patterns, disease outbreaks, and other human geographic variables within a data set. In addition, they are familiar to a wide audience, increasing the appeal and usability of the GIS prototype [14].

In epidemiological research, Dominkovics et al. developed maps based on geoprocessing web services to monitor the tuberculosis incidence in Barcelona, Spain. Upon opening the application, all of the TB cases are retrieved and displayed on the maps. The combination of GIS and geoprocessing in TB scenarios leads to interesting possibilities, and allow health researchers to apply new methods in handling health data [15].

Another study made in Spain by Salinas-Perez et al. uses GIS to identify and locate the hot and cold spots of treated prevalence of depression. The maps show the mental health catchment areas of groups of municipalities covered by a single mental health community center. Multi-Objective Evolutionary Algorithm is used in performing spatial analysis to identify graphical clusters of depression based on its treated prevalence. A better geographical distribution is achieved as output upon the combination of the analyses [16].

In the case study of Nakorn Pathom Province, Choimeun et al. use GIS as a tool to present spatial data. The user can add the regions into the library by using the drawing tool. Afterwards, the spatial information about the regions can be appended and saved into a local

database. The tool involves the use of Google Maps to define coordinates in various forms. The spatial data can also be gathered from user input GPS receivers, or Google Earth. KML and NMEA files can be used to input spatial data [17].

CHAPTER III: THEORETICAL FRAMEWORK

A. Operation Timbang

Operation Timbang is the annual mandatory weighing of children 0-71 months in order to quantify the number of malnourished children. Every first quarter of the year, Barangay Health Workers in the country are deployed to collect height and weight data for children age 0-71 months in their respective barangays. After which, they manually process and analyze the collected data before subjecting it for approval of an infinitely long list of bureaucratic levels ranging from the barangay to the city/municipal government, up to the provincial/regional level until it reaches the national government [1].

B. Growth Monitoring and Promotion

Growth Monitoring and Promotion is used to evaluate child growth, to detect risks, and make the parents aware of certain malnutrition cases. United Nations and government agencies rely on growth references for a wide range of tasks, such as assessing health status, promoting nutrition, formulating policies and interventions, and monitoring the effectiveness of their efforts [6].

C. Hunger Alleviation and Improved Nutrition (HAIN) Program

HAIN Program is being held by the National Nutrition Council. It aims to reduce the prevalence of underweight-for-age among children 0-8; prevent stunting among children 6 months to 2 years old; improve food intake in participating households; increase income opportunities; and improve knowledge and practice of key health [18].

D. Geographic Information System

GIS is a field that provides an effective way of managing, storing, analyzing, and mapping information. GIS has strong capabilities in mapping and analyzing not only spatial data, but also non-spatial data, and can integrate many kinds of data to greatly enhance disease surveillance [19].

E. Components of GIS

1. **Hardware** – This is the computer on which a GIS operates [20].
2. **Software** – This provides the functions and tools needed to store, analyze, and display geographic information. Key software components are [20]:
 - a database management system (DBMS)
 - tools for input and manipulation of geographic information
 - tools that support geographic query, analysis, and visualization
 - a graphical user interface (GUI) for easy access to tools
3. **Data** - This is the most important component. Geographic data and related tabular data can be retrieved in-house or bought from a commercial data provider [20].
4. **People** – This is the component which manages the system and develops plans for applying it [20].
5. **Methods** – A GIS operates according to a well-designed plan and business rules, which are the models and operating practices unique to every organization [20].

F. GIS Data Representation and Projection

1. **Vector Method** - Vector GIS data layers represent real-world features using basic GIS elements [21]:
 - Lines represent linear features such as streams, roads, power lines, railways, pipelines.
 - Points represent specific locations, such as field plots, towns, wells, event occurrences.
 - Polygons represent complex shapes, such as land boundaries.
2. **Raster Method** - In the raster data structure, the area of interest is divided up into equal-sized cells or pixels. Each cell contains data that is used to represent [21]:
 - a real-world feature, or a portion of a feature
 - or a spatially-distributed quantity

G. Spatial Overlay

A spatial operation in which two or more maps or layers registered to a common coordinate system are superimposed, either digitally or on a transparent material, for the purpose of showing the relationships between features that occupy the same geographic space [22].

H. Geocoding

Geocoding is the process of converting addresses (like "1600 Amphitheatre Parkway, Mountain View, CA") into geographic coordinates (like latitude 37.423021 and longitude -122.083739), which you can use to place markers or position the map [23].

I. Google Map

Google Maps is an online map service that lets users view basic or custom maps and local business information, contact information, and driving information [24].

J. XML

XML offers a widely adopted standard way of representing text and data in a format that can be processed without much human or machine intelligence. Information formatted in XML can be exchanged across platforms, languages, and applications, and can be used with a wide range of development tools and utilities [25].

K. Keyhole Markup Language

KML is a file format used to display geographic data in an Earth browser, such as Google Earth, Google Maps, and Google Maps for mobile. You can create KML files to pinpoint locations, add image overlays, and expose rich data in new ways. KML is an international standard maintained by the Open Geospatial Consortium, Inc. (OGC) [26].

A sample KML [26]:

```
<? xml version="1.0" encoding="UTF-8"?>  
<kml xmlns="http://www.opengis.net/kml/2.2">
```

```
<Placemark>

    <name>Simple placemark</name>

    <description>Attached to the ground. Intelligently places itself
at the height of the underlying terrain.</description>

    <Point>

        <coordinates>-122.0822035425683,37.42228990140251,0</coordinates>

    </Point>

</Placemark>

</kml>
```

L. Database Management System (DBMS)

A DBMS controls the system organization, storage, management, and retrieval of data in a database. DBMS's are categorized according to their data structures or types. This system accepts requests for data from an application program and instructs the operating system to transfer the appropriate data. The queries and responses must be submitted and received according to a format that conforms to one or more applicable protocols. When a DBMS is used, information systems can be changed more easily as the organization's information requirements change. New categories of data can be added to the database without disruption to the existing system [28].

CHAPTER IV: DESIGN AND IMPLEMENTATION

A. Context Diagram

Figure 1 shows the context diagram of NutriMAC. The system has four kinds of users, namely Barangay Health Workers (BHW), Barangay Chairpersons, public users and, the system administrator.

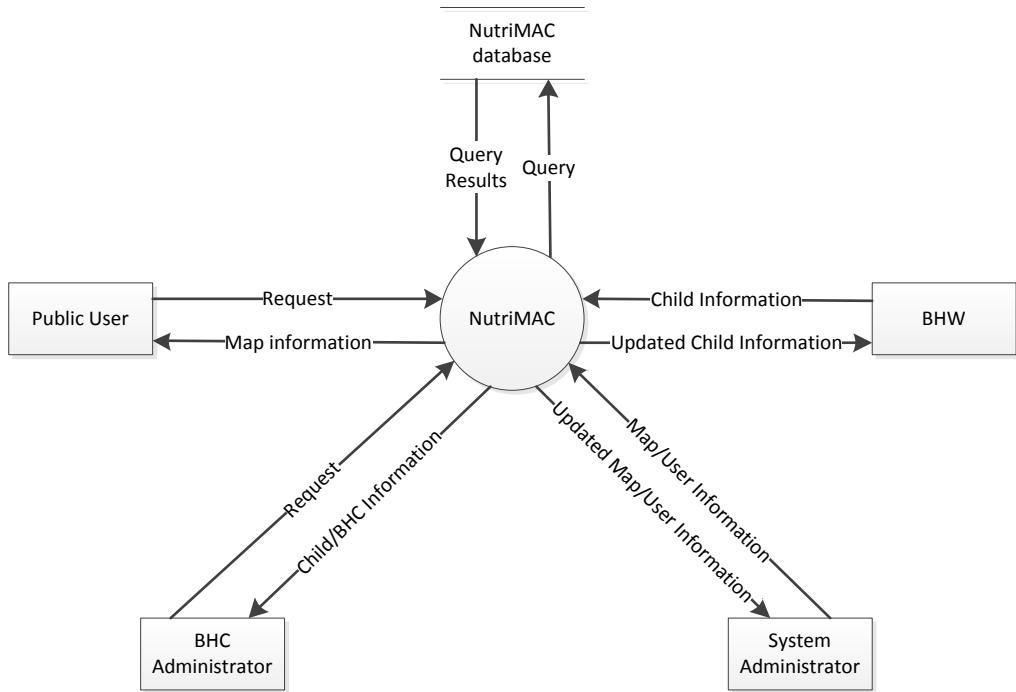


Figure 1 Context Diagram for NutriMAC

B. Data Flow Diagram

All users must first login to the system before they can access the system. Each user has their respective permissions in accessing the database information. The System admin handles the information regarding the map and users. The Brgy. Chairperson manages the BHC information while the BHW provides the information for their respective barangays.

Figure 2 shows the data flow diagram for NutriMAC.

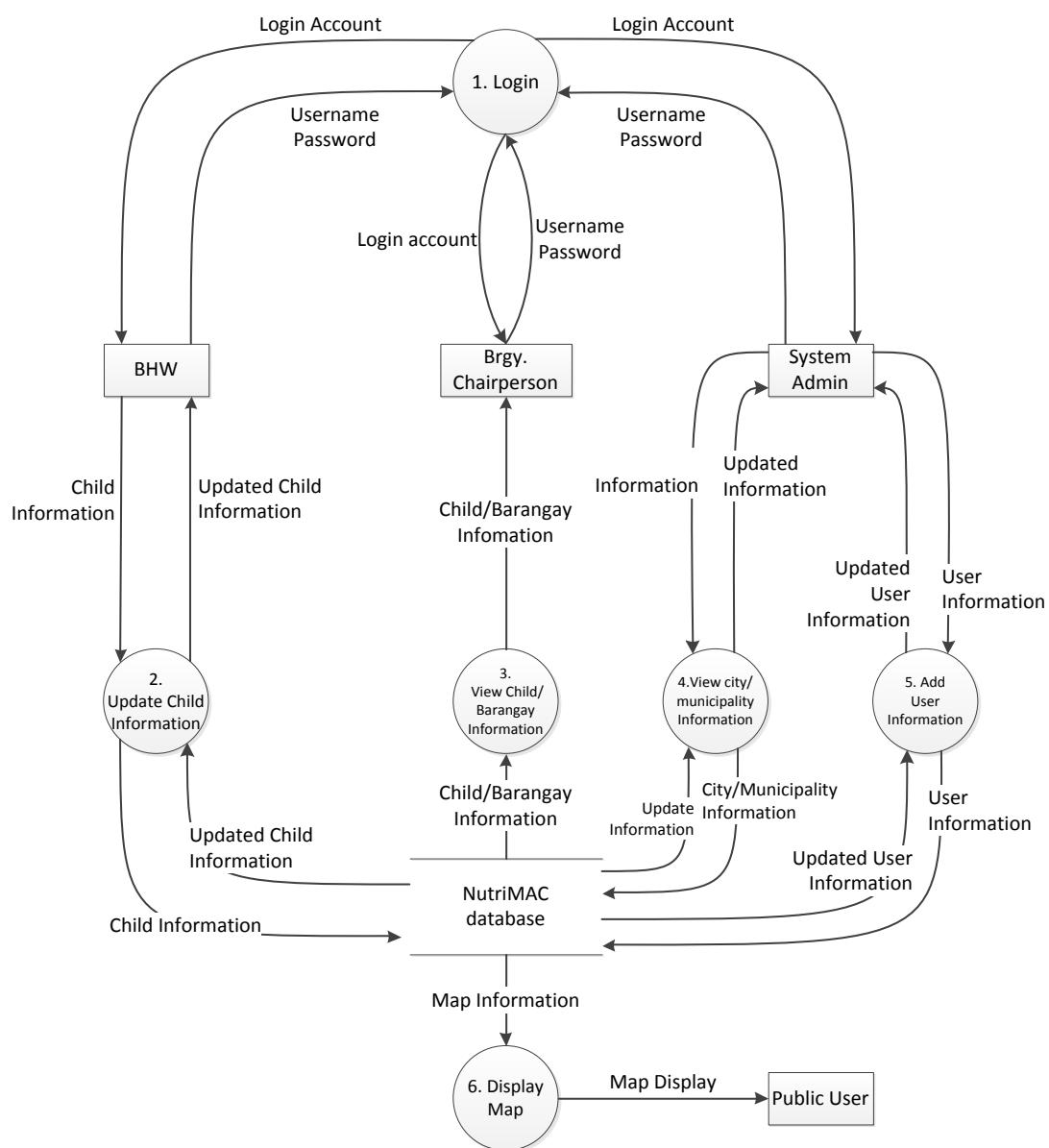


Figure 2 Top Level DFD of NutriMAC

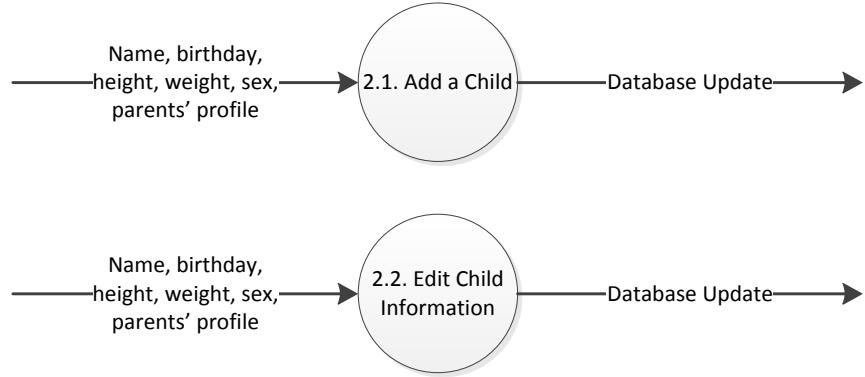


Figure 3 Subexplosion of Process 2, update Child Information

In order to add or edit the child information, the system needs to be provided with the name, birthday, height, weight, sex, and parent's profile of the child. After which, the system saves the given information to the database.

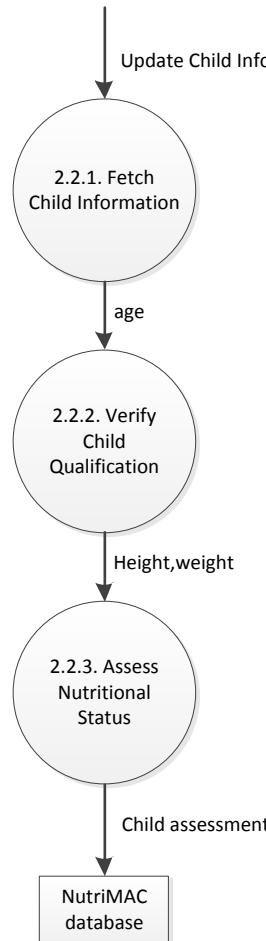


Figure 4 Subexplosion of Process 2.2, Edit Child Information

When the child information is altered, specifically when the birthday or sex is changed, it would affect the saved child assessments. Therefore, the system needs to reassess the child's nutritional information with the updated information before updating the database.

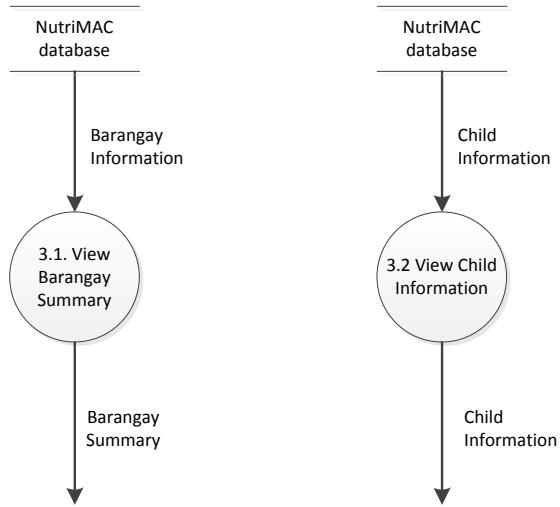


Figure 5 Subexplosion of Process 3, View Child/Barangay Information

When viewing the summary of a child or barangay, the controller fetches the information from the model and passes it to the view file.

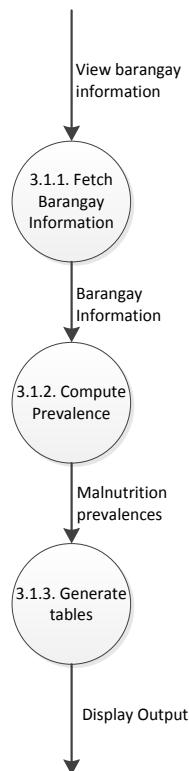


Figure 6 Subexplosion of Process 3.1, View Barangay Summary

The model fetches the barangay information along with the OPT data for a given date. After which, the system computes for the malnutrition prevalence before passing it to the view file. The view file handles the generation of output tables.

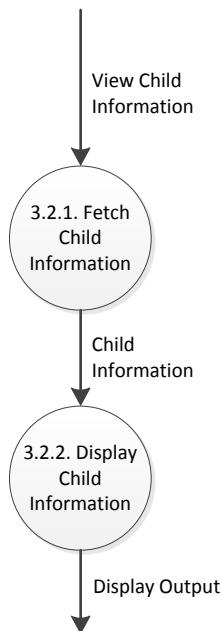


Figure 7 Subexplosion of Process 3.2, View Child Information

In viewing the Child information, the controller calls a function from the model to fetch the child profile from the database along with its assessments. After which, the controller passes the information to the view file.

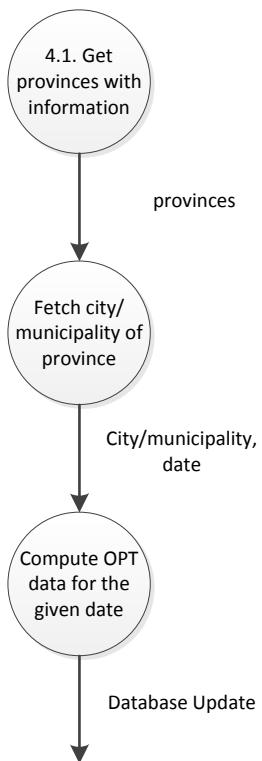


Figure 8 Subexplosion of Process 4, View City/Municipality Results

In viewing the City/Municipality results, the city/municipality information is fetched along with the OPT data for a given month. The controller computes for the prevalence and passes the information to the view file.

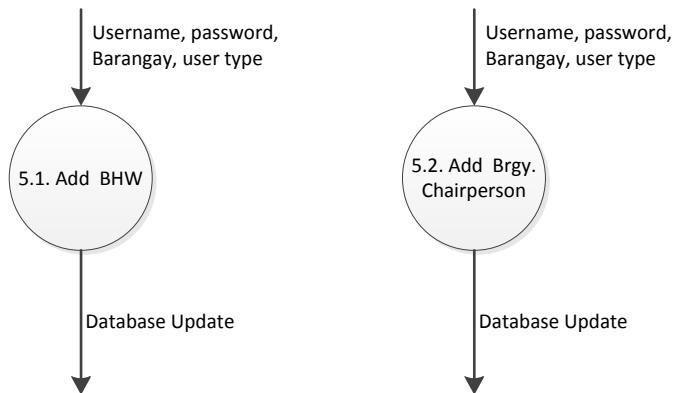


Figure 9 Subexplosion of Process 5, Update User information

To add a user, the required information, username, barangay_id, and user type must be provided. A default password, *qwerty* is set by the system.

C. Entity Relationship Diagram

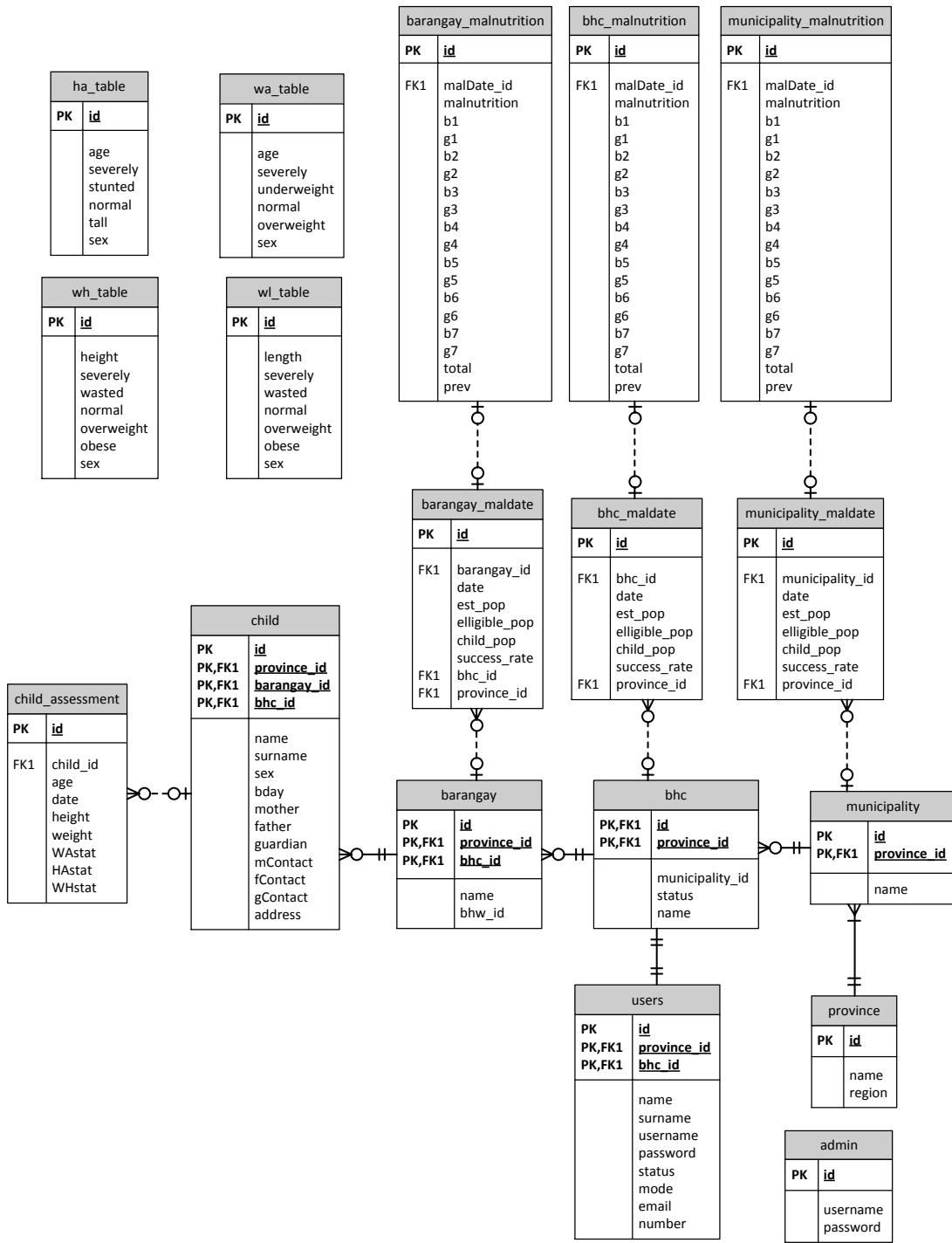


Figure 10 Entity Relationship Diagram of NutriMAC

Figure 10 shows the relationships of the tables. Tables that have no relationships such as **admin**, **ha_table**, **wa_table**, **wh_table**, and **wl_table** are used for references. The **province** table is connected to many **municipality** entities, its primary key inherited as a foreign key. The same pattern applies to the **municipality** table being connected to many **bhc** entities, the **bhc** to many **barangay** entities, and the **barangay** having many **child** entities.

Each child has many child_assessment entities, 1 for every month until the child becomes ineligible for OPT. A municipality is connected to many municipality_maldate, just as a bhc is connected to many bhc_maldate, and a barangay to many barangay_maldate. Each of these maldate entities hold 14 malnutrition entities, each of them representing a malnutrition index.

The user table contains information for user login. A user can either be a BHW or BHC admin. Each user entity is connected to its corresponding bhc. The bhc_id is inherited from the bhc table as a foreign key in the user table.

D. Data Dictionary

The following tables show the definitions of each field entity of NutriMAC.

Users

The Users table stores all the information for a user. The data field **bhc_id** is a foreign key that implies the user's BHC.

Data field	Data type	Description
<u>id</u>	int(5)	Identification number of the user
name	varchar(30)	Name of the user
surname	varchar(20)	Surname of the user
password	varchar(32)	Md5 encryption of password
status	int(1)	Account status, whether approved/rejected of admin
mode	varchar(30)	BHW/BHCadmin
bhc_id	int(5)	Bhc id being handled by the user

Barangay

The Barangay table stores all the information for the barangays. The **bhc_id** is a foreign key that implies its respective BHC. The **bhw_id** is another foreign key that represents the BHW that handles the barangay.

Data Field	Data Type	Description
<u>id</u>	int(5)	Identification number of a barangay
Name	Varchar(30)	Name of the barangay
Bhc_id	Int(5)	Identification number of the BHC to which the barangay belongs
Bhw_id	Int(5)	Identification_id of the BHW that handles the barangay

Barangay_malDate

The barangay_malDate table stores the information of the barangay statistics for a given date. The **barangay_id** is a foreign key from the barangay table.

data field	data type	description
<u>id</u>	int(5)	identification number of a barangay
date	varchar(30)	date of opt
barangay_id	int(5)	id of barangay
est_pop	int(5)	estimated population
eligible_pop	int(5)	target population for each barangay; 16% of population
child_pop	int(5)	actual number of children measure
success_rate	float	ratio of child_pop over eligible_pop

Barangay_malnutrition

The barangay_malnutrition table stores the OPT data of the barangay for a given month. Every set of barangay_malnutrition includes 14 rows of information, each row representing a malnutrition index.

Data Field	Data Type	Description
<u>id</u> (PK)	int(5)	Identification number of the malnutrition
maldate_id (fk)	int(5)	id of the malnutrition date
malnutrition_id (fk)	int(5)	id of the malnutrition status
b1	int(5)	no. of boys aged 0-5
g1	int(5)	no. of girls aged 0-5
b2	int(5)	no. of boys aged 6-11
g2	int(5)	no. of girls aged 6-11
b3	int(5)	no. of boys aged 12-23
g3	int(5)	no. of girls aged 12-23
b4	int(5)	no. of boys aged 24-35
g4	int(5)	no. of girls aged 24-35
b5	int(5)	no. of boys aged 36-47
g5	int(5)	no. of girls aged 36-47
b6	int(5)	no. of boys aged 48-59
g6	int(5)	no. of girls aged 48-59
b7	int(5)	no. of boys aged 60-71
g7	int(5)	no. of girls aged 60-71
Total	Int(5)	Total number of children affected
Prev	Float(5)	Prevalence no. of children affected over total number of children

Bhc

The bhc table stores the primary bhc information. The **municipality_id** field is a foreign key that represents the municipality it belongs to.

Data Field	Data Type	Description
<u>id</u>	int(5)	Identification number of a municipality/city
Name	Varchar(30)	Name of the barangay health center
Municipality_id	Int(5)	Identification number of the municipality to which the bhc belongs

Municipality

The municipality table hold the municipality information. The **province_id** is a foreign key from the province table.

Data Field	Data Type	Description
<u>id</u>	int(5)	Identification number of a municipality/city
Name	Varchar(30)	Name of the municipality/city
Province_id	Int(5)	Identification number of the province to which the municipality/city belongs

Province

The province table provides information for the provinces.

Data Field	Data Type	Description
<u>id</u>	int(5)	Identification number of a province
Name	Varchar(30)	Name of the province
Region	Varchar(30)	Identification number of the province to which the municipality/city belongs

Child

The child table stores the main information for the children. It has a foreign key, **barangay_id**, to specify the barangay it belongs to.

Data Field	Data Type	Description
<u>Id</u>	int(5)	Identification number of a child
Name	Varchar(50)	Name of the child
Surname	Varchar(20)	Surname of the child
Sex	Varchar(1)	Sex of the child
Bday	Date	Birthday of the child
Mother	Varchar(30)	Name of the child's mother
Father	Varchar(30)	Name of the child's father
Guardian	Varchar(30)	Name of the child's guardian
mContact	Varchar(15)	Mother's contact number
fContact	Varchar(15)	Father's contact number
gContact	Varchar(15)	Guardian's contact number
Address	Text	Address of the child
Barangay_id	Int(5)	Barangay id of which the child belongs

Child_assessment

The child_assessment table stores the child's nutritional assessment per malnutrition status.

data field	Data Type	Description
<u>id</u>	int(5)	Identification number of the assessment
child_id	Int(5)	Id of the child to which the assessment belongs
age	Int(5)	Computed age as of given date
date	Varchar(20)	Date of assessment
height	Float	
weight	Float	
wastat	Varchar(30)	Weight for Age classification

hastat	Varchar(30)	Height for Age classification
whstat	Varchar(30)	Weight for height/length classification

To be able to add a Google Map to any site, an API key is needed. The said key comes with the terms and conditions for using the API. The system administrator will then have to append the following code to the pages that will call the Google Map:

```
<script type="text/javascript" src=
    http://maps.google.com/maps/api/js?sensor=false&key=apiKey>
</script>
```

For the mapping system, the API key to be used is: AlzaSyAUKOPGS9nPzn5lrf-m29w__ZHShbQS7SA.

E. Technical Architecture

NutriMAC is a web-based system that follows the client-server architecture. The following shows the minimum configuration:

Hardware

- 2GHz processor
- 2.00 GB of RAM
- 64MB video card
- 10GB available hard disk space

Software

- Best viewed in Google Chrome
- Access to Google Maps
- XAMPP 1.7.4

CHAPTER V: RESULTS

The system can be accessed at <http://agila.upm.edu.ph/~jmsalcedo/NutriMAC/>. Once opened, the home page will appear on the screen as shown in the figure below and the user will be welcomed as a guest.

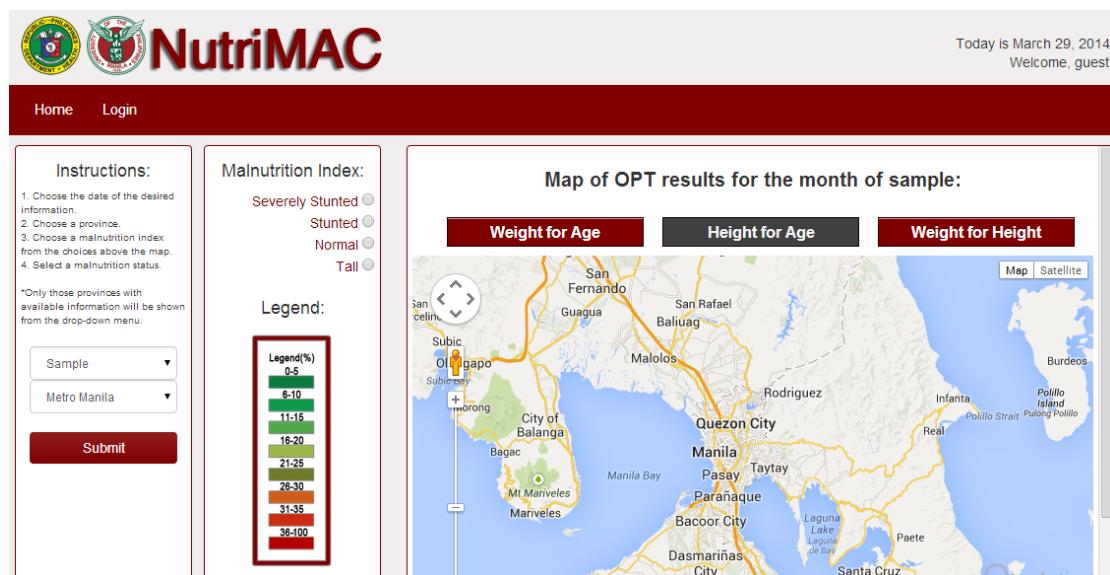


Figure 5.1. Guest homepage

The guest user can view the Operation Timbang results by providing the date and province located at the left panel. After clicking the OK button, the user may choose the malnutrition index and status to view on the map. Only the cities and municipalities with OPT results will be shown on the map. A sample result for Metro Manila is shown below.

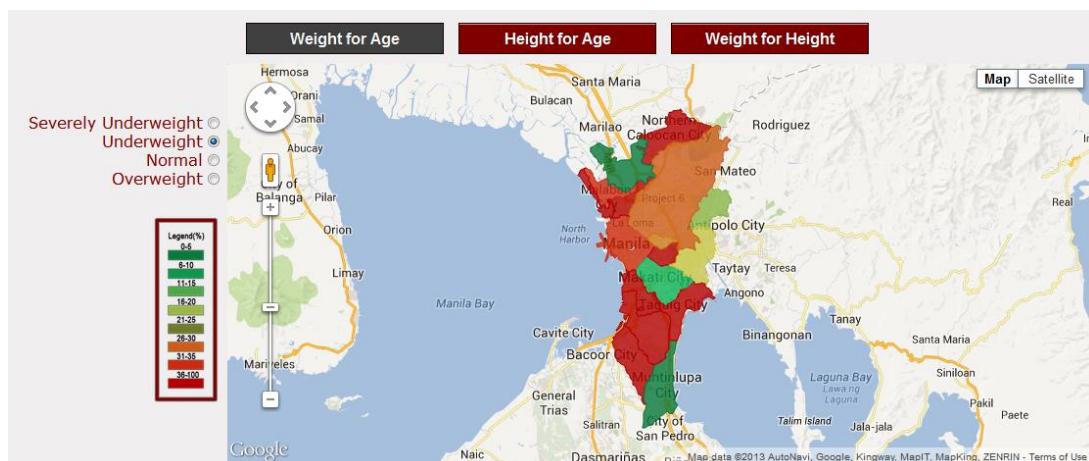


Figure 5.2. Sample result for Metro Manila

The figure below shows the actual results for Metro Manila, June 2012. The chosen index and status are Weight for Age and Underweight, respectively. Only the layer for Manila is shown because it is the only one that has actual results.

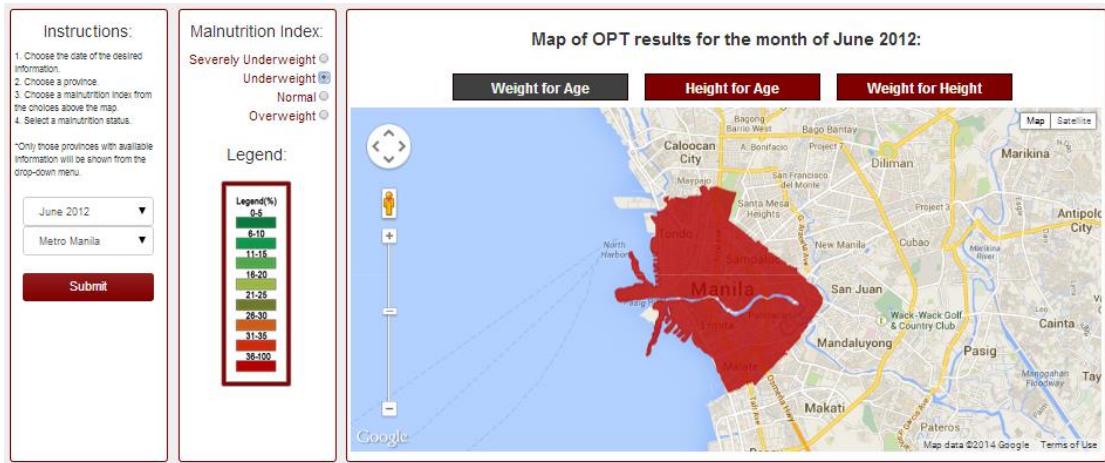


Figure 5.3. Actual OPT results for Metro Manila, June 2012

The system has three main users namely the System Administrator (admin), Barangay Health Center Administrator (BHC admin), and Barangay Health Worker (BHW). The admin is responsible for maintaining the system, approving requests, and generating the OPT results on the national level. The BHC admin is responsible for its center and constituents such as BHWs and barangays. The BHW is responsible for management of the barangay and child information, generation of reports on a barangay level, and monthly measurement of anthropometric data.

A. Barangay Health Center Administrator

To register as a Barangay Health Center administrator (BHC admin) along with a Barangay Health Center, the user needs to click the ‘Register your BHC’ button from the login screen. The registration screen will ask the user to provide the province, city/municipality, and the name of the Health center. Upon clicking the ‘Register BHC’ button, the user will be asked to fill up the form.

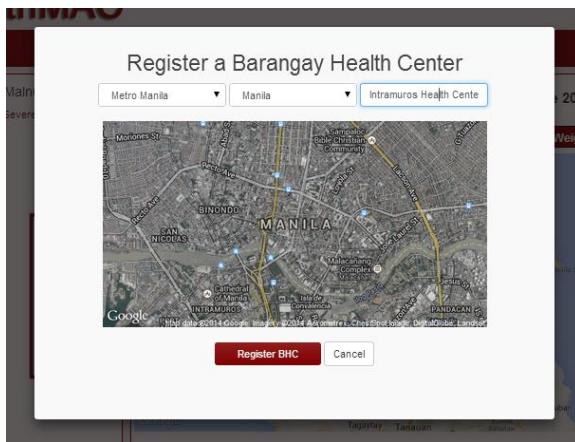


Figure 5.4.1. BHC registration

Figure 5.4.2. BHC admin registration

When done registering, the user account will be subjected for the system administrator's approval. The user will be notified via mail upon the approval of the account.

Figure 5.4. User Login screen

The BHC administrator is responsible for maintaining the health center. Responsibilities include the addition and assignment of barangays and their respective Barangay Health Workers (BHW).

To add a BHW, the BHC admin must select 'Users' >> 'Add a BHW' from the menu bar. The system will ask the user to provide the name, surname, and username for the BHW. The default password is *qwerty*.

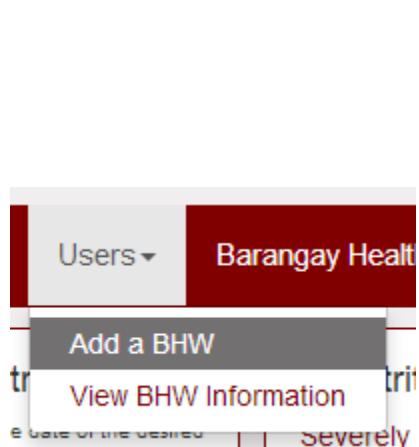


Figure 5.5.1. Users sub-menu, BHC admin

Figure 5.5.2. Add a BHW, BHC admin

To assign a barangay to a BHW, the BHC admin must select ‘Users’ >> ‘Add a Barangay’. Every new barangay must be assigned to a BHW as shown in the figures below.



Figure 5.6.1. Barangay sub-menu, BHC admin

Figure 5.6.2. Add a Barangay, BHC admin

The BHC admin is responsible for generating the monthly OPT results for their respective Health Centers. The system will ask the BHC admin for the month and year of the OPT results as shown in the next figure.

Figure 5.7. Generate OPT results, BHC admin

After generating the OPT results, the BHC admin can view them by selecting ‘Barangay Health Center’ >> ‘View BHC Results’ from the menu. The dates will be shown on the left panel and the information on the right.

Barangay	Status: Severely Stunted													
	0-5 months		6-11 months		12-23 months		24-35 months		36-47 months		48-59 months		60-71 months	
Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	
655	0	0	0	1	2	1	0	0	0	2	0	0	0	1
650	1	2	2	3	1	0	1	0	0	0	0	0	0	0
652	0	0	0	0	0	0	0	0	0	0	0	0	0	0
656	1	0	0	1	0	0	0	0	0	0	0	0	0	0
657	0	0	3	0	0	0	0	0	0	0	0	0	0	1

Figure 5.8. BHC Results for June 2012, BHC admin

B. Barangay Health Worker

From the login screen, the user must select ‘Barangay Health Worker’ as mode and provide the other login credentials.

To add a child, the BHW must select ‘Child’ >> ‘Add a Child’ from the menu. The BHW will be asked to provide necessary child information. At least one of the mother, father, or guardian is required as shown in figure 5.9.2.

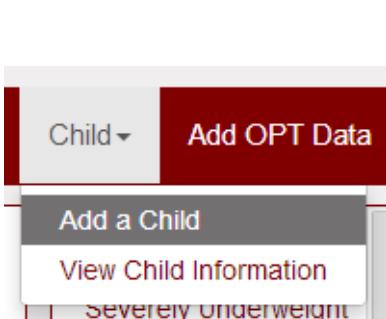


Figure 5.9.1. Child submenu, BHW

Name:	First Name	Surname		
Mother:	Name	Surname	Contact No.:	Number
Father:	Name	Surname	Contact No.:	Number
Guardian:	Name	Surname	Contact No.:	Number
Address:	Permanent Address			
Sex:				
B-day:				
Barangay:		-		
Height:		cm.		
Weight:		kg		

Figure 5.9.2. Add a Child, BHW

The next figure shows how a BHW can view a child’s information. The BHW must select ‘Child’ >> ‘View Child Information’. The barangay panel holds all the barangays assigned to the BHW. Upon selecting one, the children belonging to that barangay will be shown in the division below. The right column will show the child’s personal information and assessments.

Instructions:

- Select a barangay.
- Select a child to view.
- Type in the search box to narrow down search results.

650
Submit
Children
Search
Acielo, Princess
Akil, Zenairda
Alvis, Janice
Bacaltos, Jhaydee
Batara, Jass Ree
Canares, Earl Angelo
Cortez, Mark
Daude, Kyle
Fabellano, Daniela

Edit Child **Delete Child**

Details for Princess Acielo

Name:	Princess Acielo		
Birthday:	September 2009	Sex:	F
Mother:	Cristine Acielo	Contact No:	N/A
Father:	Errol Acielo	Contact No:	N/A
Guardian:		Contact No:	
Address:	N/A	Barangay:	650

Child Assessment

	Date	Age	Height	Weight	HA status	WA status	WH status
x	June 2012	33 mos.	86.5 cm.	13.8 kg.	Normal	Normal	Normal

Figure 5.10. View Child Information, BHW

To add OPT data, the BHW should select ‘Add OPT’ from the menu. The barangays will be shown in the left panel. After providing the date and clicking a barangay, the children will be shown on the right. Filling all of the children’s anthropometric data is optional.

Instructions:

- Select a barangay.
- Provide the month and year.
- Click submit.

650
Date
May
2012
Submit

Children

Name	Birthday	Sex	Height	Weight
Acielo, Princess	September 2009	F	cm.	kg.
Akil, Zenairda	April 2010	F	cm.	kg.
Bacaltos, Jhaydee	February 2011	M	cm.	kg.
Batara, Jass Ree	July 2011	F	cm.	kg.
Canares, Earl Angelo	October 2009	M	cm.	kg.
Cortez, Mark	April 2009	M	cm.	kg.
Daude, Kyle	October 2009	M	cm.	kg.
Fabellano, Daniela	September 2011	F	cm.	kg.
Fabellano, Mark Angelo	November 2009	M	cm.	kg.
Hassan, Raihana	July 2011	F	cm.	kg.
Iringan, Francis Kyle	May 2009	M	cm.	kg.
Isah, Hassim	May 2011	M	cm.	kg.
Judie, Estee	October 2011	M	cm.	kg.

Figure 5.11. Add OPT data, BHW

After the BHW has provided all information needed from all barangays for a certain month, the BHW must generate the results. To do so, the BHW must select ‘Barangay’ >> ‘Generate Barangay Results’ from the menu. The barangays with full data must be clicked from the table and provided with the estimated population and date as shown in Figure 5.12.

Generate Barangay Results

<p>Instructions:</p> <ol style="list-style-type: none"> 1. Click on the barangays to be generated. 2. Provide the estimated population for each of the chosen barangays. 3. Provide the date of the report. 4. Click the 'Generate' button. <p>Date</p> <div style="border: 1px solid #ccc; padding: 5px; width: 100%;"> June <div style="float: right;">▼</div> </div> <div style="border: 1px solid #ccc; padding: 5px; width: 100%;"> 2012 <div style="float: right;">▼</div> </div> <div style="background-color: #e0e0e0; border: 1px solid #ccc; padding: 5px; width: 100%; text-align: center;"> <input type="button" value="Submit"/> </div> <div style="background-color: #e0e0e0; border: 1px solid #ccc; padding: 5px; width: 100%; text-align: center;"> <input type="button" value="Cancel"/> </div>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="background-color: #e0e0e0;">Barangay</th> <th style="background-color: #e0e0e0;">Estimated Pop.</th> </tr> </thead> <tbody> <tr><td>650</td><td>219</td></tr> <tr><td>652</td><td></td></tr> <tr><td>655</td><td></td></tr> <tr><td>656</td><td></td></tr> <tr><td>657</td><td></td></tr> <tr><td>659</td><td></td></tr> <tr><td>661</td><td></td></tr> <tr><td>663</td><td></td></tr> <tr><td>666</td><td></td></tr> </tbody> </table>	Barangay	Estimated Pop.	650	219	652		655		656		657		659		661		663		666	
Barangay	Estimated Pop.																				
650	219																				
652																					
655																					
656																					
657																					
659																					
661																					
663																					
666																					

Figure 5.12. Generate Barangay Results, BHW

After the results have been generated, the information can be viewed by selecting 'Barangay' >> 'View Barangay Results' from the menu. The screen will have 2 columns as shown in the figure below.

<p>Instructions:</p> <ol style="list-style-type: none"> 1. Select a barangay. 2. Provide the month and year. 3. Click submit. <div style="border: 1px solid #ccc; padding: 5px; width: 100%;"> 650 <div style="float: right;">▼</div> </div> <p>Date</p> <div style="border: 1px solid #ccc; padding: 5px; width: 100%;"> June <div style="float: right;">▼</div> </div> <div style="border: 1px solid #ccc; padding: 5px; width: 100%;"> 2012 <div style="float: right;">▼</div> </div> <div style="background-color: #e0e0e0; border: 1px solid #ccc; padding: 5px; width: 100%; text-align: center;"> <input type="button" value="Submit"/> </div>	<p style="text-align: center;">Operation Timbang Results for the month of June 2012</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%; background-color: #e0e0e0;">Barangay:</td> <td>650</td> <td style="width: 30%; background-color: #e0e0e0;">Est. population:</td> <td>219</td> </tr> <tr> <td>Eligible population:</td> <td>35</td> <td>Coverage(%):</td> <td>82.86%</td> </tr> </table> <p style="text-align: center;">Height for Age</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Status</th> <th colspan="2">0-5 months</th> <th colspan="2">6-11 months</th> <th colspan="2">12-23 months</th> <th colspan="2">24-35 months</th> <th colspan="2">36-47 months</th> <th colspan="2">48-59 months</th> <th colspan="2">60-71 months</th> </tr> <tr> <th>Boys</th> <th>Girls</th> </tr> </thead> <tbody> <tr> <td>Severely Stunted</td> <td>1</td> <td>2</td> <td>2</td> <td>3</td> <td>1</td> <td>0</td> <td>1</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Stunted</td> <td>0</td> <td>1</td> <td>1</td> <td>2</td> <td>0</td> <td>0</td> <td>1</td> <td>0</td> <td>1</td> <td>1</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Normal</td> <td>1</td> <td>2</td> <td>0</td> <td>0</td> <td>1</td> <td>0</td> <td>2</td> <td>2</td> <td>1</td> <td>1</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Tall</td> <td>0</td> <td>0</td> <td>0</td> <td>1</td> <td>0</td> <td>0</td> <td>1</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Total</td> <td>2</td> <td>5</td> <td>3</td> <td>6</td> <td>2</td> <td>0</td> <td>5</td> <td>2</td> <td>2</td> <td>2</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Overall Total</td> <td>7</td> <td></td> <td>9</td> <td></td> <td>2</td> <td></td> <td>7</td> <td></td> <td>4</td> <td></td> <td>0</td> <td></td> <td>0</td> <td></td> </tr> <tr> <td>Overall Prev(%)</td> <td>24.14%</td> <td></td> <td>31.03%</td> <td></td> <td>6.90%</td> <td></td> <td>24.14%</td> <td></td> <td>13.79%</td> <td></td> <td>0.00%</td> <td></td> <td>0.00%</td> <td></td> </tr> </tbody> </table>	Barangay:	650	Est. population:	219	Eligible population:	35	Coverage(%):	82.86%	Status	0-5 months		6-11 months		12-23 months		24-35 months		36-47 months		48-59 months		60-71 months		Boys	Girls	Severely Stunted	1	2	2	3	1	0	1	0	0	0	0	0	0	0	Stunted	0	1	1	2	0	0	1	0	1	1	0	0	0	0	Normal	1	2	0	0	1	0	2	2	1	1	0	0	0	0	Tall	0	0	0	1	0	0	1	0	0	0	0	0	0	0	Total	2	5	3	6	2	0	5	2	2	2	0	0	0	0	Overall Total	7		9		2		7		4		0		0		Overall Prev(%)	24.14%		31.03%		6.90%		24.14%		13.79%		0.00%		0.00%													
Barangay:	650	Est. population:	219																																																																																																																																												
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Severely Stunted	1	2	2	3	1	0	1	0	0	0	0	0	0	0																																																																																																																																	
Stunted	0	1	1	2	0	0	1	0	1	1	0	0	0	0																																																																																																																																	
Normal	1	2	0	0	1	0	2	2	1	1	0	0	0	0																																																																																																																																	
Tall	0	0	0	1	0	0	1	0	0	0	0	0	0	0																																																																																																																																	
Total	2	5	3	6	2	0	5	2	2	2	0	0	0	0																																																																																																																																	
Overall Total	7		9		2		7		4		0		0																																																																																																																																		
Overall Prev(%)	24.14%		31.03%		6.90%		24.14%		13.79%		0.00%		0.00%																																																																																																																																		

Figure 5.13. View Barangay Results, BHW

C. System Administrator

From the login screen, the user must select ‘Admin’ as mode. The default username and password are ‘admin’ and ‘admin123’, respectively.

The admin is responsible for the approval of the BHCs and BHC admin accounts. To manage these, the admin must select ‘BHC Admin’ >> ‘Admin Requests’ from the menu. A table will be shown with all the requests. To take action on them, the admin must click on the buttons at the rightmost column, whether to accept or reject each of them. The users will be notified via email regarding their accounts.

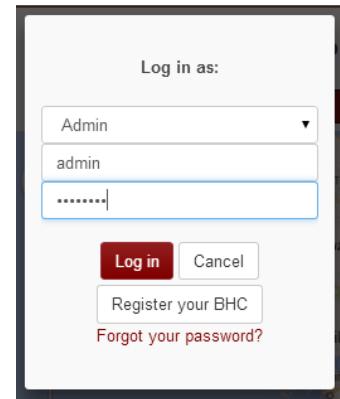


Figure 5.14. Login screen, admin

Approve BHC Admin Requests				
Username	Name	BHC Name	City/Municipality	Province
jmsalcedo	Salcedo, Janella	Intramuros Health Center	Manila	Metro Manila

Figure 5.15. Approve BHC Admin Requests, admin

Results must be generated every month. To do this, the admin must select ‘OPT’ >> ‘Generate OPT Results’ from the menu. The admin must also provide the month and year of the results to be generated. Upon click the ‘Generate’ button, all of the BHCs with available data will be consolidated for the results.

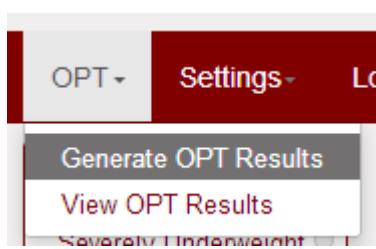


Figure 5.16.1. OPT submenu, admin

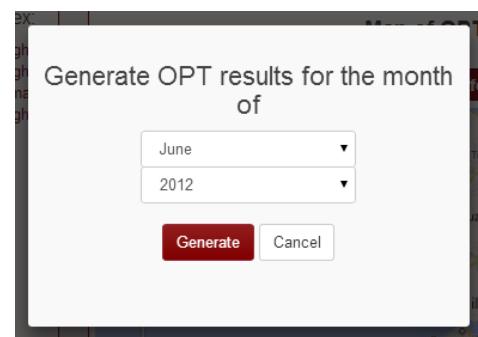


Figure 5.16.2. Generate OPT Results, admin

The generated results per city/municipality can be viewed by selecting ‘OPT’ >> ‘View OPT Results’ from the menu. The admin has to select the province, city/municipality, and date of the OPT results to view.

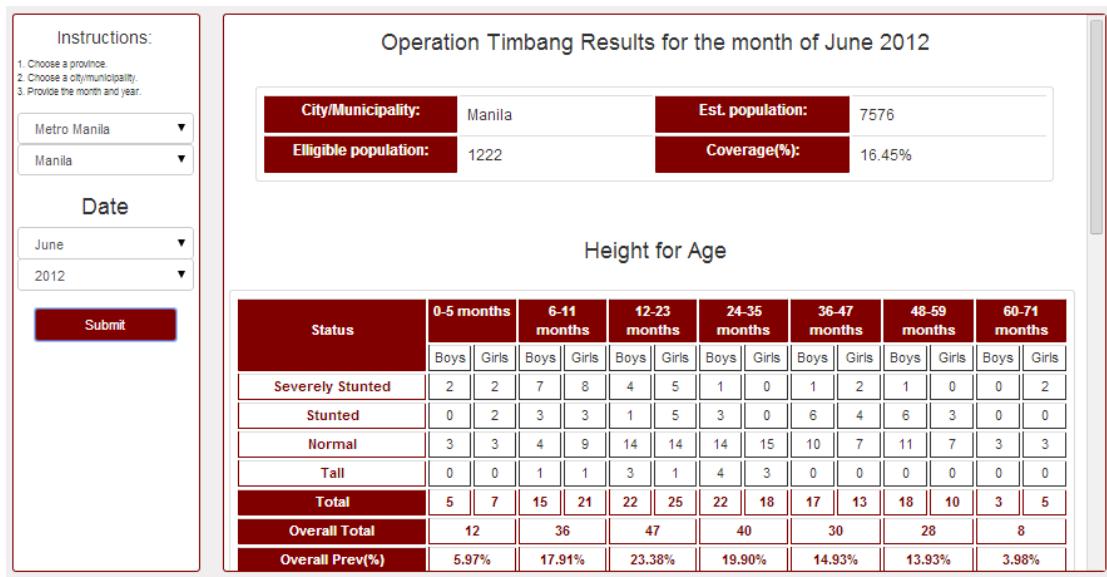


Figure 5.17. View OPT Results, admin

As soon as the OPT results are consolidated, they will be instantly made available for the guest users to view on the map.

CHAPTER VI: DISCUSSION

NutriMAC is a simple, user-friendly system that enables users to compute for the children's nutritional assessment. It is an automated version of the Operation Timbang with emphasis on accurate analysis, fast and efficient presentation of results. As basis for its nutritional assessment capabilities, the system uses the current WHO-Child Growth Standard. It has 3 primary users: the System Administrator, the Barangay Health Center Administrator(BHC admin), and the Barangay Health Worker(BHW).

The BHW provides the primary set of information which is the children's profile and information. He or she is responsible for the maintenance of the children in the given barangays. Meanwhile, the BHC admin is accountable for the creation of BHW users. The BHC admin must make sure that the BHWs are delivering their work in time for the monthly consolidation of results. The System Administrator monitors the overall flow of information.

The goal of this system to is to produce the consolidated results for the monthly nutritional assessment. To do so, each user must contribute and perform his or her responsibility. The first set of information comes from the Barangay Health Workers (BHW). The BHWs must populate the database with the children's profile and monthly anthropometric measurements. After the BHWs have generated the results, the next step is for their corresponding BHC admins to generate the OPT results for their respective cities or municipalities.

The last step in the process is to be done by the System Administrator. He or she must generate the national OPT results for the specific month. To do so, he or she must provide the month and year of the result to be consolidated. The system will compute the results only for those cities or municipalities with available information. Once done, the mapping information can be viewed at once through the home screen.

The system makes it easier for the BHWs to do their work. Furthermore, it delivers faster and accurate results. In the pilot testing made in the Intramuros Health Center, it only took 2 working days in an average of 3.7 hours per day to input all the 276 OPT data. The time it took to carry out the task using NutriMAC is greatly incomparable to the months it takes the

BHWs to process and analyze the OPT data manually. The reports generated by the system were more presentable and comprehensible. The BHWs from the Intramuros Health Center said that it takes them around three months just to process the entire data set. The said processing involved the calculation of age in months as well as the correct assessment of nutritional statuses based on the given WHO-Child Growth Standards. This implies that NutriMAC reduced the total time duration of data processing by 97.78%.

NutriMAC is encoded with specific rules for data acceptance such as an age limit of no more than 71 months and limits on height and weight. Upon input of invalid data, the system automatically prompts the users. Of the 276 OPT data provided by the Intramuros Health Center, 14 of them were erroneous prior to the actual input into the system. Among these errors are over-aged children and incomplete physical measurements. All of these 14 erroneous data were found by the system as invalid and were discarded accordingly.

CHAPTER VII: CONCLUSION

NutriMAC, an automated version of the Operation Timbang with emphasis on accurate analysis, is able to analyze and present OPT data in such a way that it greatly surpasses its manual counterpart in terms of efficiency, accuracy and speed. Moreover, its benefits greatly overshadow the costs along with it since the proposed automation process saves much needed time. The 97.78% reduction in total processing time and 100% error detection of the system corroborates the conclusion of the effectiveness of the system.

The speed of result generation would benefit all bureaucratic levels involved in such a way that they will be alerted instantly of the statuses in certain areas. This will also improve the allocation of health care resources in the country.

CHAPTER VIII: RECOMMENDATIONS

The usage of Internet as a channel to collate OPT data from all parts of the country is a breakthrough for our health care system. Yet, certain geographical conditions may prevent health workers from remote and far-flung communities in the Philippines to gain access to it. However, a promising potential is the use of the SMS technology for the transmittal of OPT data.

The wide network coverage of telecommunication companies is a key point advantage since many minority tribes and poor communities in the Philippines are settled on remote areas of the country. Moreover, it is irrefutable that the use of SMS is more readily available for majority of the local health workers than the Internet.

Since the basic information for the monitoring of children has already been supplied to NutriMAC, it would already be easy to extend the features of the system and assess other monitoring programs as well.

CHAPTER VII: BIBLIOGRAPHY

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CHAPTER X: APPENDIX

A. Child Growth Standards Table, Weight(kg) for Height(cm) of Boys 24-60 months old

Height (cm)	Severely Wasted	Weight (kg)								Height (cm)	Severely Wasted	Weight (kg)									
		Wasted		Normal		Overweight		Obese				Wasted		Normal		Overweight		Obese			
		From	To	From	To	From	To	From	To			From	To	From	To	From	To	From	To		
< -3SD	< -3SD	-3SD	< -2SD	-2SD	+2SD	> +2SD	+3SD	> +3SD		93.0	10.7	10.8	11.5	11.6	16.0	16.1	17.5	17.6			
65.0	5.8	5.9	6.2	6.3	8.8	8.9	9.6	9.7		93.5	10.8	10.9	11.6	11.7	16.2	16.3	17.6	17.7			
65.5	5.9	6.0	6.3	6.4	8.9	9.0	9.8	9.9		94.0	10.9	11.0	11.7	11.8	16.3	16.4	17.8	17.9			
66.0	6.0	6.1	6.4	6.5	9.1	9.2	9.9	10.0		94.5	11.0	11.1	11.8	11.9	16.5	16.6	17.9	18.0			
66.5	6.0	6.1	6.5	6.6	9.2	9.3	10.1	10.2		95.0	11.0	11.1	11.9	12.0	16.6	16.7	18.1	18.2			
67.0	6.1	6.2	6.6	6.7	9.4	9.5	10.2	10.3		95.5	11.1	11.2	12.0	12.1	16.7	16.8	18.3	18.4			
67.5	6.2	6.3	6.7	6.8	9.5	9.6	10.4	10.5		96.0	11.2	11.3	12.1	12.2	16.9	17.0	18.4	18.5			
68.0	6.3	6.4	6.8	6.9	9.6	9.7	10.5	10.6		96.5	11.3	11.4	12.2	12.3	17.0	17.1	18.6	18.7			
68.5	6.4	6.5	6.9	7.0	9.8	9.9	10.7	10.8		97.0	11.4	11.5	12.3	12.4	17.2	17.3	18.8	18.9			
69.0	6.5	6.6	7.0	7.1	9.9	10.0	10.8	10.9		97.5	11.5	11.6	12.4	12.5	17.4	17.5	18.9	19.0			
69.5	6.6	6.7	7.1	7.2	10.0	10.1	11.0	11.1		98.0	11.6	11.7	12.5	12.6	17.5	17.6	19.1	19.2			
70.0	6.7	6.8	7.2	7.3	10.2	10.3	11.1	11.2		98.5	11.7	11.8	12.7	12.8	17.7	17.8	19.3	19.4			
70.5	6.8	6.9	7.3	7.4	10.3	10.4	11.3	11.4		99.0	11.8	11.9	12.8	12.9	17.9	18.0	19.5	19.6			
71.0	6.8	6.9	7.4	7.5	10.4	10.5	11.4	11.5		99.5	11.9	12.0	12.9	13.0	18.0	18.1	19.7	19.8			
71.5	6.9	7.0	7.5	7.6	10.6	10.7	11.6	11.7		100.0	12.0	12.1	13.0	13.1	18.2	18.3	19.9	20.0			
72.0	7.0	7.1	7.6	7.7	10.7	10.8	11.7	11.8		100.5	12.1	12.2	13.1	13.2	18.4	18.5	20.1	20.2			
72.5	7.1	7.2	7.7	7.8	10.8	10.9	11.8	11.9		101.0	12.2	12.3	13.2	13.3	18.5	18.6	20.3	20.4			
73.0	7.2	7.3	7.8	7.9	11.0	11.1	12.0	12.1		101.5	12.3	12.4	13.3	13.4	18.7	18.8	20.5	20.6			
73.5	7.3	7.4	7.8	7.9	11.1	11.2	12.1	12.2		102.0	12.4	12.5	13.5	13.6	18.9	19.0	20.7	20.8			
74.0	7.3	7.4	7.9	8.0	11.2	11.3	12.2	12.3		102.5	12.5	12.6	13.6	13.7	19.1	19.2	20.9	21.0			
74.5	7.4	7.5	8.0	8.1	11.3	11.4	12.4	12.5		103.0	12.7	12.8	13.7	13.8	19.3	19.4	21.1	21.2			
75.0	7.5	7.6	8.1	8.2	11.4	11.5	12.5	12.6		103.5	12.8	12.9	13.8	13.9	19.5	19.6	21.3	21.4			
75.5	7.6	7.7	8.2	8.3	11.6	11.7	12.6	12.7		104.0	12.9	13.0	13.9	14.0	19.7	19.8	21.6	21.7			
76.0	7.6	7.7	8.3	8.4	11.7	11.8	12.8	12.9		104.5	13.0	13.1	14.1	14.2	19.9	20.0	21.8	21.9			
76.5	7.7	7.8	8.4	8.5	11.8	11.9	12.9	13.0		105.0	13.1	13.2	14.2	14.3	20.1	20.2	22.0	22.1			
77.0	7.8	7.9	8.4	8.5	11.9	12.0	13.0	13.1		105.5	13.2	13.3	14.3	14.4	20.3	20.4	22.2	22.3			
77.5	7.9	8.0	8.5	8.6	12.0	12.1	13.1	13.2		106.0	13.3	13.4	14.4	14.5	20.5	20.6	22.5	22.6			
78.0	7.9	8.0	8.6	8.7	12.1	12.2	13.3	13.4		106.5	13.4	13.5	14.6	14.7	20.7	20.8	22.7	22.8			
78.5	8.0	8.1	8.7	8.8	12.2	12.3	13.4	13.5		107.0	13.6	13.7	14.7	14.8	20.9	21.0	22.9	23.0			
79.0	8.1	8.2	8.7	8.8	12.3	12.4	13.5	13.6		107.5	13.7	13.8	14.8	14.9	21.1	21.2	23.2	23.3			
79.5	8.2	8.3	8.8	8.9	12.4	12.5	13.6	13.7		108.0	13.8	13.9	15.0	15.1	21.3	21.4	23.4	23.5			
80.0	8.2	8.3	8.9	9.0	12.6	12.7	13.7	13.8		108.5	13.9	14.0	15.1	15.2	21.5	21.6	23.7	23.8			
80.5	8.3	8.4	9.0	9.1	12.7	12.8	13.8	13.9		109.0	14.0	14.1	15.2	15.3	21.8	21.9	23.9	24.0			
81.0	8.4	8.5	9.1	9.2	12.8	12.9	14.0	14.1		109.5	14.2	14.3	15.4	15.5	22.0	22.1	24.2	24.3			
81.5	8.5	8.6	9.2	9.3	12.9	13.0	14.1	14.2		110.0	14.3	14.4	15.5	15.6	22.2	22.3	24.4	24.5			
82.0	8.6	8.7	9.2	9.3	13.0	13.1	14.2	14.3		110.5	14.4	14.5	15.7	15.8	22.4	22.5	24.7	24.8			
82.5	8.6	8.7	9.3	9.4	13.1	13.2	14.4	14.5		111.0	14.5	14.6	15.8	15.9	22.7	22.8	25.0	25.1			
83.0	8.7	8.8	9.4	9.5	13.3	13.4	14.5	14.6		111.5	14.7	14.8	15.9	16.0	22.9	23.0	25.2	25.3			
83.5	8.8	8.9	9.5	9.6	13.4	13.5	14.6	14.7		112.0	14.8	14.9	16.1	16.2	23.1	23.2	25.5	25.6			
84.0	8.9	9.0	9.6	9.7	13.5	13.6	14.8	14.9		112.5	14.9	15.0	16.2	16.3	23.4	23.5	25.8	25.9			
84.5	9.0	9.1	9.8	9.9	13.7	13.8	14.9	15.0		113.0	15.1	15.2	16.4	16.5	23.6	23.7	26.0	26.1			
85.0	9.1	9.2	9.9	10.0	13.8	13.9	15.1	15.2		113.5	15.2	15.3	16.5	16.6	23.9	24.0	26.3	26.4			
85.5	9.2	9.3	10.0	10.1	13.9	14.0	15.2	15.3		114.0	15.3	15.4	16.7	16.8	24.1	24.2	26.6	26.7			
86.0	9.3	9.4	10.1	10.2	14.1	14.2	15.4	15.5		114.5	15.5	15.6	16.8	16.9	24.4	24.5	26.9	27.0			
86.5	9.4	9.5	10.2	10.3	14.2	14.3	15.5	15.6		115.0	15.6	15.7	17.0	17.1	24.6	24.7	27.2	27.3			
87.0	9.5	9.6	10.3	10.4	14.4	14.5	15.7	15.8		115.5	15.7	15.8	17.1	17.2	24.9	25.0	27.5	27.6			
87.5	9.6	9.7	10.4	10.5	14.5	14.6	15.8	15.9		116.0	15.9	16.0	17.3	17.4	25.1	25.2	27.8	27.9			
88.0	9.7	9.8	10.5	10.6	14.7	14.8	16.0	16.1		116.5	16.0	16.1	17.4	17.5	25.4	25.5	28.0	28.1			
88.5	9.8	9.9	10.6	10.7	14.8	14.9	16.1	16.2		117.0	16.1	16.2	17.6	17.7	25.6	25.7	28.3	28.4			
89.0	9.9	10.0	10.7	10.8	14.9	15.0	16.3	16.4		117.5	16.3	16.4	17.8	17.9	25.9	26.0	28.6	28.7			
89.5	10.0	10.1	10.8	10.9	15.1	15.2	16.4	16.5		118.0	16.4	16.5	17.9	18.0	26.1	26.2	28.9	29.0			
90.0	10.1	10.2	10.9	11.0	15.2	15.3	16.6	16.7		118.5	16.6	16.7	18.1	18.2	26.4	26.5	29.2	29.3			
90.5	10.2	10.3	11.0	11.1	15.3	15.4	16.7	16.8		119.0	16.7	16.8	18.2	18.3	26.6	26.7	29.5	29.6			
91.0	10.3	10.4	11.1	11.2	15.5	15.6	16.9	17.0		119.5	16.8	16.9	18.4	18.5	26.9	27.0	29.8	29.9			
91.5	10.4	10.5	11.2	11.3	15.6	15.7	17.0	17.1		120.0	17.0	17.1	18.5	18.6	27.2	27.3	30.1	30.2			
92.0	10.5	10.6	11.3	11.4	15.8	15.9	17.2	17.3													
92.5	10.6	10.7	11.4	11.5	15.9	16.0	17.3	17.4													

1/ Based on the WHO Child Growth Standards, Methods and Development, 2006

2/ This table is also downloadable at [url:www.nnc.gov.ph](http://www.nnc.gov.ph)

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B. Child Growth Standards Table, Weight(kg) for Height(cm) of Girls 24-60 months old

Height (cm)	Weight (kg)										Height (cm)	Weight (kg)										
	Severely Wasted		Normal		Overweight		Obese		Severely Wasted			Normal		Overweight		Obese						
	From <-3SD	To <-2SD	From -2SD	To +2SD	From >+2SD	To +3SD	From >+3SD	From <-3SD	To -2SD	From -2SD	To +2SD	From >+2SD	To +3SD	From >+3SD	From <-3SD	To -2SD	From -2SD	To +2SD	From >+2SD	To +3SD	From >+3SD	
65.0	5.5	5.6	6.0	6.1	8.7	8.8	9.7	9.8	10.3	11.2	11.3	16.1	16.2	17.8	17.9	93.0	10.3	10.4	11.2	11.3	16.1	16.2
65.5	5.6	5.7	6.1	6.2	8.9	9.0	9.8	9.9	10.4	11.3	11.4	16.3	16.4	17.9	18.0	93.5	10.4	10.5	11.3	11.4	16.3	16.4
66.0	5.7	5.8	6.2	6.3	9.0	9.1	10.0	10.1	10.6	11.4	11.5	16.4	16.5	18.1	18.2	94.0	10.5	10.6	11.4	11.5	16.4	16.5
66.5	5.7	5.8	6.3	6.4	9.1	9.2	10.1	10.2	10.7	11.5	11.6	16.6	16.7	18.3	18.4	94.5	10.6	10.7	11.5	11.6	16.6	16.7
67.0	5.8	5.9	6.3	6.4	9.3	9.4	10.2	10.3	10.8	11.6	11.7	16.7	16.8	18.5	18.6	95.0	10.7	10.8	11.6	11.7	16.7	16.8
67.5	5.9	6.0	6.4	6.5	9.4	9.5	10.4	10.5	11.0	11.8	11.9	16.9	17.0	18.6	18.7	95.5	10.7	10.8	11.7	11.8	16.9	17.0
68.0	6.0	6.1	6.5	6.6	9.5	9.6	10.5	10.6	11.1	11.9	12.0	17.0	17.1	18.8	18.9	96.0	10.8	10.9	11.8	11.9	17.0	17.1
68.5	6.1	6.2	6.6	6.7	9.7	9.8	10.7	10.8	11.3	12.0	12.1	17.2	17.3	19.0	19.1	96.5	10.9	11.0	11.9	12.0	17.2	17.3
69.0	6.2	6.3	6.7	6.8	9.8	9.9	10.8	10.9	11.4	12.1	12.2	17.4	17.5	19.2	19.3	97.0	11.0	11.1	12.0	12.1	17.4	17.5
69.5	6.2	6.3	6.8	6.9	9.9	10.0	10.9	11.0	11.5	12.2	12.3	17.5	17.6	19.3	19.4	97.5	11.1	11.2	12.1	12.2	17.5	17.6
70.0	6.3	6.4	6.9	7.0	10.0	10.1	11.1	11.2	11.7	12.2	12.3	17.7	17.8	19.5	19.6	98.0	11.2	11.3	12.2	12.3	17.7	17.8
70.5	6.4	6.5	7.0	7.1	10.1	10.2	11.2	11.3	11.8	12.3	12.4	17.9	18.0	19.7	19.8	98.5	11.3	11.4	12.3	12.4	17.9	18.0
71.0	6.5	6.6	7.0	7.1	10.3	10.4	11.3	11.4	11.9	12.4	12.5	18.0	18.1	19.9	20.0	99.0	11.4	11.5	12.4	12.5	18.0	18.1
71.5	6.6	6.7	7.1	7.2	10.4	10.5	11.5	11.6	12.1	12.6	12.7	18.2	18.3	20.1	20.2	99.5	11.5	11.6	12.6	12.7	18.2	18.3
72.0	6.6	6.7	7.2	7.3	10.5	10.6	11.6	11.7	12.2	12.7	12.8	18.4	18.5	20.3	20.4	100.0	11.6	11.7	12.7	12.8	18.4	18.5
72.5	6.7	6.8	7.3	7.4	10.6	10.7	11.7	11.8	12.3	12.8	12.9	18.6	18.7	20.5	20.6	100.5	11.8	11.9	12.8	12.9	18.6	18.7
73.0	6.8	6.9	7.4	7.5	10.7	10.8	11.8	11.9	12.4	12.9	13.0	18.7	18.8	20.7	20.8	101.0	11.9	12.0	12.9	13.0	18.7	18.8
73.5	6.9	7.0	7.5	7.6	10.8	10.9	12.0	12.1	12.5	13.0	13.1	18.9	19.0	20.9	21.0	101.5	12.0	12.1	13.0	13.1	18.9	19.0
74.0	6.9	7.0	7.5	7.6	11.0	11.1	12.1	12.2	12.7	13.2	13.3	19.1	19.2	21.1	21.2	102.0	12.1	12.2	13.2	13.3	19.1	19.2
74.5	7.0	7.1	7.6	7.7	11.1	11.2	12.2	12.3	12.8	13.3	13.4	19.3	19.4	21.4	21.5	102.5	12.2	12.3	13.3	13.4	19.3	19.4
75.0	7.1	7.2	7.7	7.8	11.2	11.3	12.3	12.4	12.9	13.4	13.5	19.5	19.6	21.6	21.7	103.0	12.3	12.4	13.4	13.5	19.5	19.6
75.5	7.1	7.2	7.8	7.9	11.3	11.4	12.5	12.6	13.0	13.5	13.6	19.7	19.8	21.8	21.9	103.5	12.4	12.5	13.5	13.6	19.7	19.8
76.0	7.2	7.3	7.9	8.0	11.4	11.5	12.6	12.7	13.2	13.7	13.8	19.9	20.0	22.0	22.1	104.0	12.5	12.6	13.7	13.8	19.9	20.0
76.5	7.3	7.4	7.9	8.0	11.5	11.6	12.7	12.8	13.3	13.8	13.9	20.1	20.2	22.3	22.4	104.5	12.7	12.8	13.8	13.9	20.1	20.2
77.0	7.4	7.5	8.0	8.1	11.6	11.7	12.8	12.9	13.4	13.9	14.0	20.3	20.4	22.5	22.6	105.0	12.8	12.9	13.9	14.0	20.3	20.4
77.5	7.4	7.5	8.1	8.2	11.7	11.8	12.9	13.0	13.5	14.1	14.2	20.5	20.6	22.7	22.8	105.5	12.9	13.0	14.1	14.2	20.5	20.6
78.0	7.5	7.6	8.2	8.3	11.8	11.9	13.1	13.2	13.7	14.3	14.4	20.8	20.9	23.0	23.1	106.0	13.0	13.1	14.2	14.3	20.8	20.9
78.5	7.6	7.7	8.3	8.4	12.0	12.1	13.2	13.3	13.8	14.4	14.5	21.0	21.1	23.2	23.3	106.5	13.2	13.3	14.4	14.5	21.0	21.1
79.0	7.7	7.8	8.3	8.4	12.1	12.2	13.3	13.4	13.9	14.5	14.6	21.2	21.3	23.5	23.6	107.0	13.3	13.4	14.5	14.6	21.2	21.3
79.5	7.7	7.8	8.4	8.5	12.2	12.3	13.4	13.5	14.0	14.6	14.7	21.4	21.5	23.7	23.8	107.5	13.4	13.5	14.6	14.7	21.4	21.5
80.0	7.8	7.9	8.5	8.6	12.3	12.4	13.6	13.7	14.2	14.8	14.9	21.7	21.8	24.0	24.1	108.0	13.6	13.7	14.8	14.9	21.7	21.8
80.5	7.9	8.0	8.6	8.7	12.4	12.5	13.7	13.8	14.3	15.0	15.1	21.9	22.0	24.3	24.4	108.5	13.7	13.8	14.9	15.0	21.9	22.0
81.0	8.0	8.1	8.7	8.8	12.6	12.7	13.9	14.0	14.5	15.1	15.2	22.1	22.2	24.5	24.6	109.0	13.8	13.9	15.1	15.2	22.1	22.2
81.5	8.1	8.2	8.8	8.9	12.7	12.8	14.0	14.1	14.6	15.3	15.4	22.4	22.5	24.8	24.9	109.5	14.0	14.1	15.3	15.4	22.4	22.5
82.0	8.2	8.3	8.9	9.0	12.8	12.9	14.1	14.2	14.7	15.4	15.5	22.6	22.7	25.1	25.2	110.0	14.1	14.2	15.4	15.5	22.6	22.7
82.5	8.3	8.4	9.0	9.1	13.0	13.1	14.3	14.4	14.9	15.6	15.7	22.9	23.0	25.4	25.5	110.5	14.3	14.4	15.6	15.7	22.9	23.0
83.0	8.4	8.5	9.1	9.2	13.1	13.2	14.5	14.6	15.1	15.8	15.9	23.1	23.2	25.7	25.8	111.0	14.4	14.5	15.7	15.8	23.1	23.2
83.5	8.4	8.5	9.2	9.3	13.3	13.4	14.6	14.7	15.2	16.0	16.1	23.4	23.5	26.0	26.1	111.5	14.6	14.7	15.9	16.0	23.4	23.5
84.0	8.5	8.6	9.3	9.4	13.4	13.5	14.8	14.9	15.4	16.2	16.3	23.6	23.7	26.2	26.3	112.0	14.7	14.8	16.1	16.2	23.6	23.7
84.5	8.6	8.7	9.4	9.5	13.5	13.6	14.9	15.0	15.5	16.3	16.4	24.0	24.5	26.5	26.6	112.5	14.9	15.0	16.2	16.3	24.0	24.5
85.0	8.7	8.8	9.5	9.6	13.7	13.8	15.1	15.2	15.7	16.4	16.5	24.2	24.3	26.8	26.9	113.0	15.0	15.1	16.4	16.5	24.2	24.3
85.5	8.8	8.9	9.6	9.7	13.8	13.9	15.3	15.4	15.9	16.6	16.7	24.4	24.5	27.1	27.2	113.5	15.2	15.3	16.6	16.7	24.4	24.5
86.0	8.9	9.0	9.7	9.8	14.0	14.1	15.4	15.5	16.0	16.7	16.8	24.7	24.8	27.4	27.5	114.0	15.3	15.4	16.7	16.8	24.7	24.8
86.5	9.0	9.1	9.8	9.9	14.2	14.3	15.6	15.7	16.2	17.0	17.1	25.0	25.1	27.8	27.9	114.5	15.5	15.6	16.9	17.0	25.0	25.1
87.0	9.1	9.2	9.9	10.0	14.3	14.4	15.8	15.9	16.4	17.2	17.3	25.2	25.3	28.1	28.2	115.0	15.6	15.7	17.1	17.2	25.2	25.3
87.5	9.2	9.3	10.0	10.1	14.5	14.6	15.9	16.0	16.5	17.3	17.4	25.5	25.6	28.4	28.5	115.5	15.8	15.9	17.2	17.3	25.5	25.6
88.0	9.3	9.4	10.1	10.2	14.6	14.7	16.1	16.2	16.7	17.4	17.5	25.8	25.9	28.7	28.8	116.0	15.9	16.0	17.4	17.5	25.8	25.9
88.5	9.4	9.5	10.2	10.3	14.8	14.9	16.3	16.4														

C. Child Growth Standards Table, Weight(kg) for Height(cm) of Boys 0-23 months

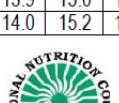
Length (cm)	Weight (kg)										Length (cm)	Weight (kg)									
	Severely Wasted	Wasted		Normal		Overweight		Obese	Severely Wasted	Wasted		Normal		Overweight		Obese					
		<-3SD	-3SD	<-2SD	-2SD	+2SD	>+2SD			<-3SD	-3SD	<-2SD	-2SD	+2SD	>+2SD	+3SD	>+3SD				
45.0	1.8	1.9	1.9	2.0	3.0	3.1	3.3	3.4		7.8	7.9	8.5	8.6	12.0	12.1	13.1	13.2				
45.5	1.8	1.9	2.0	2.1	3.1	3.2	3.4	3.5		7.9	8.0	8.6	8.7	12.1	12.2	13.2	13.3				
46.0	1.9	2.0	2.1	2.2	3.1	3.2	3.5	3.6		8.0	8.1	8.6	8.7	12.2	12.3	13.3	13.4				
46.5	2.0	2.1	2.2	2.3	3.2	3.3	3.6	3.7		8.1	8.2	8.7	8.8	12.3	12.4	13.4	13.5				
47.0	2.0	2.1	2.2	2.3	3.3	3.4	3.7	3.8		8.1	8.2	8.8	8.9	12.4	12.5	13.6	13.7				
47.5	2.1	2.2	2.3	2.4	3.4	3.5	3.8	3.9		8.2	8.3	8.9	9.0	12.5	12.6	13.7	13.8				
48.0	2.2	2.3	2.4	2.5	3.6	3.7	3.9	4.0		8.3	8.4	9.0	9.1	12.6	12.7	13.8	13.9				
48.5	2.2	2.3	2.5	2.6	3.7	3.8	4.0	4.1		8.4	8.5	9.0	9.1	12.7	12.8	13.9	14.0				
49.0	2.3	2.4	2.5	2.6	3.8	3.9	4.2	4.3		8.4	8.5	9.1	9.2	12.8	12.9	14.0	14.1				
49.5	2.4	2.5	2.6	2.7	3.9	4.0	4.3	4.4		8.5	8.6	9.2	9.3	13.0	13.1	14.2	14.3				
50.0	2.5	2.6	2.7	2.8	4.0	4.1	4.4	4.5		8.6	8.7	9.3	9.4	13.1	13.2	14.3	14.4				
50.5	2.6	2.7	2.8	2.9	4.1	4.2	4.5	4.6		8.7	8.8	9.4	9.5	13.2	13.3	14.4	14.5				
51.0	2.6	2.7	2.9	3.0	4.2	4.3	4.7	4.8		8.8	8.9	9.5	9.6	13.3	13.4	14.6	14.7				
51.5	2.7	2.8	3.0	3.1	4.4	4.5	4.8	4.9		8.9	9.0	9.6	9.7	13.5	13.6	14.7	14.8				
52.0	2.8	2.9	3.1	3.2	4.5	4.6	5.0	5.1		9.0	9.1	9.7	9.8	13.6	13.7	14.9	15.0				
52.5	2.9	3.0	3.2	3.3	4.6	4.7	5.1	5.2		9.1	9.2	9.8	9.9	13.7	13.8	15.0	15.1				
53.0	3.0	3.1	3.3	3.4	4.8	4.9	5.3	5.4		9.2	9.3	9.9	10.0	13.9	14.0	15.2	15.3				
53.5	3.1	3.2	3.4	3.5	4.9	5.0	5.4	5.5		9.3	9.4	10.0	10.1	14.0	14.1	15.3	15.4				
54.0	3.2	3.3	3.5	3.6	5.1	5.2	5.6	5.7		9.4	9.5	10.1	10.2	14.2	14.3	15.5	15.6				
54.5	3.3	3.4	3.6	3.7	5.3	5.4	5.8	5.9		9.5	9.6	10.3	10.4	14.3	14.4	15.6	15.7				
55.0	3.5	3.6	3.7	3.8	5.4	5.5	6.0	6.1		9.6	9.7	10.4	10.5	14.5	14.6	15.8	15.9				
55.5	3.6	3.7	3.9	4.0	5.6	5.7	6.1	6.2		9.7	9.8	10.5	10.6	14.6	14.7	15.9	16.0				
56.0	3.7	3.8	4.0	4.1	5.8	5.9	6.3	6.4		9.8	9.9	10.6	10.7	14.7	14.8	16.1	16.2				
56.5	3.8	3.9	4.1	4.2	5.9	6.0	6.5	6.6		9.9	10.0	10.7	10.8	14.9	15.0	16.2	16.3				
57.0	3.9	4.0	4.2	4.3	6.1	6.2	6.7	6.8		10.0	10.1	10.8	10.9	15.0	15.1	16.4	16.5				
57.5	4.0	4.1	4.4	4.5	6.3	6.4	6.9	7.0		10.1	10.2	10.9	11.0	15.1	15.2	16.5	16.6				
58.0	4.2	4.3	4.5	4.6	6.4	6.5	7.1	7.2		10.2	10.3	11.0	11.1	15.3	15.4	16.7	16.8				
58.5	4.3	4.4	4.6	4.7	6.6	6.7	7.2	7.3		10.3	10.4	11.1	11.2	15.4	15.5	16.8	16.9				
59.0	4.4	4.5	4.7	4.8	6.8	6.9	7.4	7.5		10.4	10.5	11.2	11.3	15.6	15.7	17.0	17.1				
59.5	4.5	4.6	4.9	5.0	7.0	7.1	7.6	7.7		10.5	10.6	11.3	11.4	15.7	15.8	17.1	17.2				
60.0	4.6	4.7	5.0	5.1	7.1	7.2	7.8	7.9		10.6	10.7	11.4	11.5	15.8	15.9	17.3	17.4				
60.5	4.7	4.8	5.1	5.2	7.3	7.4	8.0	8.1		10.7	10.8	11.5	11.6	16.0	16.1	17.4	17.5				
61.0	4.8	4.9	5.2	5.3	7.4	7.5	8.1	8.2		10.8	10.9	11.6	11.7	16.1	16.2	17.6	17.7				
61.5	4.9	5.0	5.3	5.4	7.6	7.7	8.3	8.4		10.9	11.0	11.7	11.8	16.3	16.4	17.7	17.8				
62.0	5.0	5.1	5.5	5.6	7.7	7.8	8.5	8.6		11.0	11.1	11.8	11.9	16.4	16.5	17.9	18.0				
62.5	5.1	5.2	5.6	5.7	7.9	8.0	8.6	8.7		11.1	11.2	11.9	12.0	16.5	16.6	18.0	18.1				
63.0	5.2	5.3	5.7	5.8	8.0	8.1	8.8	8.9		11.2	11.3	12.0	12.1	16.7	16.8	18.2	18.3				
63.5	5.3	5.4	5.8	5.9	8.2	8.3	8.9	9.0		11.3	11.4	12.1	12.2	16.8	16.9	18.4	18.5				
64.0	5.4	5.5	5.9	6.0	8.3	8.4	9.1	9.2		11.4	11.5	12.2	12.3	17.0	17.1	18.5	18.6				
64.5	5.5	5.6	6.0	6.1	8.5	8.6	9.3	9.4		11.5	11.6	12.3	12.4	17.1	17.2	18.7	18.8				
65.0	5.6	5.7	6.1	6.2	8.6	8.7	9.4	9.5		11.6	11.7	12.4	12.5	17.3	17.4	18.9	19.0				
65.5	5.7	5.8	6.2	6.3	8.7	8.8	9.6	9.7		11.7	11.8	12.6	12.7	17.6	17.7	19.2	19.3				
66.0	5.8	5.9	6.3	6.4	8.9	9.0	9.7	9.8		11.8	11.9	12.7	12.8	17.8	17.9	19.4	19.5				
66.5	5.9	6.0	6.4	6.5	9.0	9.1	9.9	10.0		11.9	12.0	12.8	12.9	18.0	18.1	19.6	19.7				
67.0	6.0	6.1	6.5	6.6	9.2	9.3	10.0	10.1		12.1	12.2	12.9	13.0	18.1	18.2	19.8	19.9				
67.5	6.1	6.2	6.6	6.7	9.3	9.4	10.2	10.3		12.2	12.3	13.0	13.1	18.3	18.4	20.0	20.1				
68.0	6.2	6.3	6.7	6.8	9.4	9.5	10.3	10.4		12.3	12.4	13.1	13.2	18.5	18.6	20.2	20.3				
68.5	6.3	6.4	6.8	6.9	9.6	9.7	10.5	10.6		12.4	12.5	13.2	13.3	18.5	18.6	20.4	20.5				
69.0	6.4	6.5	6.9	7.0	9.7	9.8	10.6	10.7		12.5	12.6	13.3	13.4	18.7	18.8	20.6	20.7				
69.5	6.5	6.6	7.0	7.1	9.8	9.9	10.8	10.9		12.6	12.7	13.4	13.5	18.8	18.9	20.7	20.8				
70.0	6.5	6.6	7.1	7.2	10.0	10.1	10.9	11.0		12.7	12.8	13.5	13.6	19.0	19.1	20.8	20.9				
70.5	6.6	6.7	7.2	7.3	10.1	10.2	11.1	11.2		12.8	12.9	13.6	13.7	19.2	19.3	21.0	21.1				
71.0	6.7	6.8	7.3	7.4	10.2	10.3	11.2	11.3		12.9	13.0	13.7	13.8	19.4	19.5	21.2	21.3				
71.5	6.8	6.9	7.4	7.5	10.4	10.5	11.3	11.4		13.0	13.1	13.8	13.9	19.6	19.7	21.5	21.6				
72.0	6.9	7.0	7.5	7.6	10.5	10.6	11.5	11.6		13.1	13.2	14.1	14.2	20.0	20.1	21.9	22.0				
72.5	7.0	7.1	7.5	7.6	10.6	10.7	11.6	11.7		13.2	13.3	14.1	14.2	20.0	20.1	21.9	22.0				
73.0	7.1	7.2	7.6	7.7	10.8	10.9	11.8	11.9		13.3	13.4	14.3	14.4	20.2	20.3	22.1	22.2				
73.5	7.1	7.2	7.7	7.8	10.9	11.0	11.9	12.0		13.4	13.5	14.4	14.5	20.4	20.5	22.4	22.5				
74.0	7.2	7.3	7.8	7.9	11.0	11.1	12.1	12.2		13.5	13.6	14.5	14.6	20.6							

D. Child Growth Standards Table, Weight(kg) for Height(cm) of Girls 0-23 months

Length (cm)	Weight (kg)															
	Severely Wasted	Wasted		Normal		Overweight		Obese		Length (cm)						
		From	To	From	To	From	To	From	To							
<-3SD	<-3SD	<-2SD	-2SD	+2SD	>+2SD	+3SD	>+3SD	<-3SD	<-2SD	-2SD	+2SD	>+2SD	+3SD	>+3SD		
45.0	1.8	1.9	2.0	2.1	3.0	3.1	3.3	3.4	7.4	7.5	8.1	8.2	11.7	11.8	12.9	13.0
45.5	1.9	2.0	2.0	2.1	3.1	3.2	3.4	3.5	7.5	7.6	8.1	8.2	11.8	11.9	13.0	13.1
46.0	1.9	2.0	2.1	2.2	3.2	3.3	3.5	3.6	7.6	7.7	8.2	8.3	11.9	12.0	13.1	13.2
46.5	2.0	2.1	2.2	2.3	3.3	3.4	3.6	3.7	7.6	7.7	8.3	8.4	12.0	12.1	13.3	13.4
47.0	2.1	2.2	2.3	2.4	3.4	3.5	3.7	3.8	7.7	7.8	8.4	8.5	12.1	12.2	13.4	13.5
47.5	2.1	2.2	2.3	2.4	3.5	3.6	3.8	3.9	7.8	7.9	8.5	8.6	12.3	12.4	13.5	13.6
48.0	2.2	2.3	2.4	2.5	3.6	3.7	3.9	4.0	7.9	8.0	8.6	8.7	12.4	12.5	13.7	13.8
48.5	2.3	2.4	2.5	2.6	3.7	3.8	4.1	4.2	8.0	8.1	8.7	8.8	12.5	12.6	13.8	13.9
49.0	2.3	2.4	2.5	2.6	3.8	3.9	4.2	4.3	8.0	8.1	8.7	8.8	12.6	12.7	13.9	14.0
49.5	2.4	2.5	2.6	2.7	3.9	4.0	4.3	4.4	8.1	8.2	8.8	8.9	12.8	12.9	14.1	14.2
50.0	2.5	2.6	2.7	2.8	4.0	4.1	4.5	4.6	8.2	8.3	8.9	9.0	12.9	13.0	14.2	14.3
50.5	2.6	2.7	2.8	2.9	4.2	4.3	4.6	4.7	8.3	8.4	9.0	9.1	13.1	13.2	14.4	14.5
51.0	2.7	2.8	2.9	3.0	4.3	4.4	4.8	4.9	8.4	8.5	9.1	9.2	13.2	13.3	14.5	14.6
51.5	2.7	2.8	3.0	3.1	4.4	4.5	4.9	5.0	8.5	8.6	9.2	9.3	13.3	13.4	14.7	14.8
52.0	2.8	2.9	3.1	3.2	4.6	4.7	5.1	5.2	8.6	8.7	9.3	9.4	13.5	13.6	14.9	15.0
52.5	2.9	3.0	3.2	3.3	4.7	4.8	5.2	5.3	8.7	8.8	9.4	9.5	13.6	13.7	15.0	15.1
53.0	3.0	3.1	3.3	3.4	4.9	5.0	5.4	5.5	8.8	8.9	9.6	9.7	13.8	13.9	15.2	15.3
53.5	3.1	3.2	3.4	3.5	5.0	5.1	5.5	5.6	8.9	9.0	9.7	9.8	13.9	14.0	15.4	15.5
54.0	3.2	3.3	3.5	3.6	5.2	5.3	5.7	5.8	9.0	9.1	9.8	9.9	14.1	14.2	15.5	15.6
54.5	3.3	3.4	3.6	3.7	5.3	5.4	5.9	6.0	9.1	9.2	9.9	10.0	14.2	14.3	15.7	15.8
55.0	3.4	3.5	3.7	3.8	5.5	5.6	6.1	6.2	9.2	9.3	10.0	10.1	14.4	14.5	15.9	16.0
55.5	3.5	3.6	3.8	3.9	5.7	5.8	6.3	6.4	9.3	9.4	10.1	10.2	14.5	14.6	16.0	16.1
56.0	3.6	3.7	3.9	4.0	5.8	5.9	6.4	6.5	9.4	9.5	10.2	10.3	14.7	14.8	16.2	16.3
56.5	3.7	3.8	4.0	4.1	6.0	6.1	6.6	6.7	9.5	9.6	10.3	10.4	14.8	14.9	16.4	16.5
57.0	3.8	3.9	4.2	4.3	6.1	6.2	6.8	6.9	9.6	9.7	10.4	10.5	15.0	15.1	16.5	16.6
57.5	3.9	4.0	4.3	4.4	6.3	6.4	7.0	7.1	9.7	9.8	10.5	10.6	15.1	15.2	16.7	16.8
58.0	4.0	4.1	4.4	4.5	6.5	6.6	7.1	7.2	9.8	9.9	10.6	10.7	15.3	15.4	16.9	17.0
58.5	4.1	4.2	4.5	4.6	6.6	6.7	7.3	7.4	9.9	10.0	10.7	10.8	15.5	15.6	17.0	17.1
59.0	4.2	4.3	4.6	4.7	6.8	6.9	7.5	7.6	10.0	10.1	10.8	10.9	15.6	15.7	17.2	17.3
59.5	4.3	4.4	4.7	4.8	6.9	7.0	7.7	7.8	10.1	10.2	10.9	11.0	15.8	15.9	17.4	17.5
60.0	4.4	4.5	4.8	4.9	7.1	7.2	7.8	7.9	10.2	10.3	11.0	11.1	15.9	16.0	17.5	17.6
60.5	4.5	4.6	4.9	5.0	7.3	7.4	8.0	8.1	10.3	10.4	11.1	11.2	16.1	16.2	17.7	17.8
61.0	4.6	4.7	5.0	5.1	7.4	7.5	8.2	8.3	10.4	10.5	11.2	11.3	16.2	16.3	17.9	18.0
61.5	4.7	4.8	5.1	5.2	7.6	7.7	8.4	8.5	10.5	10.6	11.3	11.4	16.4	16.5	18.0	18.1
62.0	4.8	4.9	5.2	5.3	7.7	7.8	8.5	8.6	10.6	10.7	11.4	11.5	16.5	16.6	18.2	18.3
62.5	4.9	5.0	5.3	5.4	7.8	7.9	8.7	8.8	10.7	10.8	11.5	11.6	16.7	16.8	18.4	18.5
63.0	5.0	5.1	5.4	5.5	8.0	8.1	8.8	8.9	10.8	10.9	11.6	11.7	16.8	16.9	18.6	18.7
63.5	5.1	5.2	5.5	5.6	8.1	8.2	9.0	9.1	10.9	11.0	11.7	11.8	17.0	17.1	18.7	18.8
64.0	5.2	5.3	5.6	5.7	8.3	8.4	9.1	9.2	11.0	11.1	11.9	12.0	17.1	17.2	18.9	19.0
64.5	5.3	5.4	5.7	5.8	8.4	8.5	9.3	9.4	11.1	11.2	12.0	12.1	17.3	17.4	19.1	19.2
65.0	5.4	5.5	5.8	5.9	8.6	8.7	9.5	9.6	11.2	11.3	12.1	12.2	17.5	17.6	19.3	19.4
65.5	5.4	5.5	5.9	6.0	8.7	8.8	9.6	9.7	11.3	11.4	12.2	12.3	17.6	17.7	19.5	19.6
66.0	5.5	5.6	6.0	6.1	8.8	8.9	9.8	9.9	11.4	11.5	12.3	12.4	17.7	17.8	19.6	19.7
66.5	5.6	5.7	6.1	6.2	9.0	9.1	9.9	10.0	11.5	11.6	12.4	12.5	18.0	18.1	19.8	19.9
67.0	5.7	5.8	6.2	6.3	9.1	9.2	10.0	10.1	11.6	11.7	12.6	12.7	18.1	18.2	20.0	20.1
67.5	5.8	5.9	6.3	6.4	9.2	9.3	10.2	10.3	11.7	11.8	12.7	12.8	18.3	18.4	20.2	20.3
68.0	5.9	6.0	6.4	6.5	9.4	9.5	10.3	10.4	11.8	11.9	12.8	12.9	18.5	18.6	20.4	20.5
68.5	6.0	6.1	6.5	6.6	9.5	9.6	10.5	10.6	12.0	12.1	13.0	13.1	18.7	18.8	20.6	20.7
69.0	6.0	6.1	6.6	6.7	9.6	9.7	10.6	10.7	12.1	12.2	13.1	13.2	18.9	19.0	20.8	20.9
69.5	6.1	6.2	6.7	6.8	9.7	9.8	10.7	10.8	12.2	12.3	13.2	13.3	19.0	19.1	21.0	21.1
70.0	6.2	6.3	6.8	6.9	9.9	10.0	10.9	11.0	12.3	12.4	13.3	13.4	19.2	19.3	21.3	21.4
70.5	6.3	6.4	6.8	6.9	10.0	10.1	11.0	11.1	12.4	12.5	13.4	13.5	19.4	19.5	21.5	21.6
71.0	6.4	6.5	6.9	7.0	10.1	10.2	11.1	11.2	12.5	12.6	13.5	13.6	19.6	19.7	21.7	21.8
71.5	6.4	6.5	7.0	7.1	10.2	10.3	11.3	11.4	12.6	12.7	13.6	13.7	19.8	19.9	21.9	22.0
72.0	6.5	6.6	7.1	7.2	10.3	10.4	11.4	11.5	12.7	12.8	13.7	13.8	20.0	20.1	22.2	22.3
72.5	6.6	6.7	7.2	7.3	10.5	10.6	11.5	11.6	12.9	13.0	14.0	14.1	20.2	20.3	22.4	22.5
73.0	6.7	6.8	7.3	7.4	10.6	10.7	11.7	11.8	13.0	13.1	14.1	14.2	20.5	20.6	22.6	22.7
73.5	6.8	6.9	7.3	7.4	10.7	10.8	11.8	11.9	13.1	13.2	14.2	14.3	20.7	20.8	22.9	23.0
74.0	6.8	6.9	7.4	7.5	10.8	10.9	11.9	12.0	13.2	13.3	14.3	14.4	20.9	21.0	23.1	23.2
74.5	6.9	7.0	7.5	7.6	10.9	11.0	12.0	12.1	13.3	13.4	14.4	14.5	21.1	21.2	23.4	23.5
75.0	7.0	7.1	7.6	7.7	11.0	11.1	12.2	12.3	13.4	13.5	14.6	14.7	21.3	21.4	23.6	23.7
75.5	7.0	7.1	7.7	7.8	11.1	11.2	12.3	12.4	13.5	13.6	14.7	14.8	21.6	21.7	23.9	24.0
76.0	7.1	7.2	7.7	7.8	11.2	11.3	12.4	12.5	13.6	13.7	14.9	15.0	21.8	21.9	24.2	24.3
76.5	7.2	7.3	7.8	7.9	11.4	11.5	12.5	12.6	13.7	13.8	15.0	15.1	22.0	22.1	24.4	24.5
77.0	7.3	7.4	7.9	8.0	11.5	11.6	12.6	12.7	13.8	13.9	15.0	15.1	22.2	22.4	24.7	24.8
77.5	7.3	7.4	8.0	8.1	11.6	11.7	12.8	12.9	13.9	14.0	15.2	15.3	22.3	22.4	24.7	24.8

1/ Based on the WHO Child Growth Standards, Methods and Development, 2006

2/ This table is also downloadable at [url:www.nnc.gov.ph](http://www.nnc.gov.ph)



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E. Child Growth Standards Table, Weight(kg) for Age of Boys 0-71 months

Age 2/ (months)	Weight						Age 2/ (months)	Weight					
	Severely Underweight	Underweight		Normal		> +2 SD		< -3SD	Underweight		Normal		> +2 SD
		-3 SD	< -2 SD	-2 SD	+2 SD	From			To	From	To		
0	2.1	2.2	2.4	2.5	4.4	4.5	36	10.0	10.1	11.2	11.3	18.3	18.4
1	2.9	3.0	3.3	3.4	5.8	5.9	37	10.1	10.2	11.3	11.4	18.6	18.7
2	3.8	3.9	4.2	4.3	7.1	7.2	38	10.2	10.3	11.4	11.5	18.8	18.9
3	4.4	4.5	4.9	5.0	8.0	8.1	39	10.3	10.4	11.5	11.6	19.0	19.1
4	4.9	5.0	5.5	5.6	8.7	8.8	40	10.4	10.5	11.7	11.8	19.3	19.4
5	5.3	5.4	5.9	6.0	9.3	9.4	41	10.5	10.6	11.8	11.9	19.5	19.6
6	5.7	5.8	6.3	6.4	9.8	9.9	42	10.6	10.7	11.9	12.0	19.7	19.8
7	5.9	6.0	6.6	6.7	10.3	10.4	43	10.7	10.8	12.0	12.1	20.0	20.1
8	6.2	6.3	6.8	6.9	10.7	10.8	44	10.8	10.9	12.1	12.2	20.2	20.3
9	6.4	6.5	7.0	7.1	11.0	11.1	45	10.9	11.0	12.3	12.4	20.5	20.6
10	6.6	6.7	7.3	7.4	11.4	11.5	46	11.0	11.1	12.4	12.5	20.7	20.8
11	6.8	6.9	7.5	7.6	11.7	11.8	47	11.1	11.2	12.5	12.6	20.9	21.0
12	6.9	7.0	7.6	7.7	12.0	12.1	48	11.2	11.3	12.6	12.7	21.2	21.3
13	7.1	7.2	7.8	7.9	12.3	12.4	49	11.3	11.4	12.7	12.8	21.4	21.5
14	7.2	7.3	8.0	8.1	12.6	12.7	50	11.4	11.5	12.8	12.9	21.7	21.8
15	7.4	7.5	8.2	8.3	12.8	12.9	51	11.5	11.6	13.0	13.1	21.9	22.0
16	7.5	7.6	8.3	8.4	13.1	13.2	52	11.6	11.7	13.1	13.2	22.2	22.3
17	7.7	7.8	8.5	8.6	13.4	13.5	53	11.7	11.8	13.2	13.3	22.4	22.5
18	7.8	7.9	8.7	8.8	13.7	13.8	54	11.8	11.9	13.3	13.4	22.7	22.8
19	8.0	8.1	8.8	8.9	13.9	14.0	55	11.9	12.0	13.4	13.5	22.9	23.0
20	8.1	8.2	9.0	9.1	14.2	14.3	56	12.0	12.1	13.5	13.6	23.2	23.3
21	8.2	8.3	9.1	9.2	14.5	14.6	57	12.1	12.2	13.6	13.7	23.4	23.5
22	8.4	8.5	9.3	9.4	14.7	14.8	58	12.2	12.3	13.7	13.8	23.7	23.8
23	8.5	8.6	9.4	9.5	15.0	15.1	59	12.3	12.4	13.9	14.0	23.9	24.0
24	8.6	8.7	9.6	9.7	15.3	15.4	60	12.4	12.5	14.0	14.1	24.2	24.3
25	8.8	8.9	9.7	9.8	15.5	15.6	61	12.7	12.8	14.3	14.4	24.3	24.4
26	8.9	9.0	9.9	10.0	15.8	15.9	62	12.8	12.9	14.4	14.5	24.4	24.5
27	9.0	9.1	10.0	10.1	16.1	16.2	63	13.0	13.1	14.5	14.6	24.7	24.8
28	9.1	9.2	10.1	10.2	16.3	16.4	64	13.1	13.2	14.7	14.8	24.9	25.0
29	9.2	9.3	10.3	10.4	16.6	16.7	65	13.2	13.3	14.8	14.9	25.2	25.3
30	9.4	9.5	10.4	10.5	16.9	17.0	66	13.3	13.4	14.9	15.0	25.5	25.6
31	9.5	9.6	10.6	10.7	17.1	17.2	67	13.4	13.5	15.1	15.2	25.7	25.8
32	9.6	9.7	10.7	10.8	17.4	17.5	68	13.6	13.7	15.2	15.3	26.0	26.1
33	9.7	9.8	10.8	10.9	17.6	17.7	69	13.7	13.8	15.3	15.4	26.3	26.4
34	9.8	9.9	10.9	11.0	17.8	17.9	70	13.8	13.9	15.5	15.6	26.6	26.7
35	9.9	10.0	11.1	11.2	18.1	18.2	71	13.9	14.0	15.6	15.7	26.8	26.9

1/ Based on the WHO Child Growth Standards, Methods and Development, 2006

2/ Age refers to the age of the child computed to the nearest month as of last birth date.

For example, a child born on 01 October 2004 and weighed on 21 August 2007 is 2 years, 10 months and 30 days.

Multiplying 2 years by 12 months and adding 10 months, the child will be 24 months plus 10 months or 34 months old.

Disregard the number of days in the computation of age in months.

3/ The column on overweight may be used only for the quick assessment of overweight in children when length or height data is not available. When these data are available, a child's weight should be compared against his/her height/length to determine if overweight or obese.

For inquiries, please contact the National Nutrition Council at (02) 843-5868, 843-5824



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F. Child Growth Standards Table, Weight(kg) for Age of Girls 0-71 months

Age 2/ (months)	Weight						Age 2/ (months)	Weight					
	Severely Underweight	Underweight		Normal		Overweight		<-3SD	Underweight		Normal		>+2 SD
		-3 SD	<-2 SD	-2 SD	+2 SD	From			To	From	To		
		From	To	From	To	From			To	From	To		
0	2.0	2.1	2.3	2.4	4.2	4.3	36	9.6	9.7	10.7	10.8	18.1	18.2
1	2.7	2.8	3.1	3.2	5.5	5.6	37	9.7	9.8	10.8	10.9	18.4	18.5
2	3.4	3.5	3.8	3.9	6.6	6.7	38	9.8	9.9	11.0	11.1	18.7	18.8
3	4.0	4.1	4.4	4.5	7.5	7.6	39	9.9	10.0	11.1	11.2	19.0	19.1
4	4.4	4.5	4.9	5.0	8.2	8.3	40	10.1	10.2	11.2	11.3	19.2	19.3
5	4.8	4.9	5.3	5.4	8.8	8.9	41	10.2	10.3	11.4	11.5	19.5	19.6
6	5.1	5.2	5.6	5.7	9.3	9.4	42	10.3	10.4	11.5	11.6	19.8	19.9
7	5.3	5.4	5.9	6.0	9.8	9.9	43	10.4	10.5	11.6	11.7	20.1	20.2
8	5.6	5.7	6.2	6.3	10.2	10.3	44	10.5	10.6	11.7	11.8	20.4	20.5
9	5.8	5.9	6.4	6.5	10.5	10.6	45	10.6	10.7	11.9	12.0	20.7	20.8
10	5.9	6.0	6.6	6.7	10.9	11.0	46	10.7	10.8	12.0	12.1	20.9	21.0
11	6.1	6.2	6.8	6.9	11.2	11.3	47	10.8	10.9	12.1	12.2	21.2	21.3
12	6.3	6.4	6.9	7.0	11.5	11.6	48	10.9	11.0	12.2	12.3	21.5	21.6
13	6.4	6.5	7.1	7.2	11.8	11.9	49	11.0	11.1	12.3	12.4	21.8	21.9
14	6.6	6.7	7.3	7.4	12.1	12.2	50	11.1	11.2	12.4	12.5	22.1	22.2
15	6.7	6.8	7.5	7.6	12.4	12.5	51	11.2	11.3	12.6	12.7	22.4	22.5
16	6.9	7.0	7.6	7.7	12.6	12.7	52	11.3	11.4	12.7	12.8	22.6	22.7
17	7.0	7.1	7.8	7.9	12.9	13.0	53	11.4	11.5	12.8	12.9	22.9	23.0
18	7.2	7.3	8.0	8.1	13.2	13.3	54	11.5	11.6	12.9	13.0	23.2	23.3
19	7.3	7.4	8.1	8.2	13.5	13.6	55	11.6	11.7	13.1	13.2	23.5	23.6
20	7.5	7.6	8.3	8.4	13.7	13.8	56	11.7	11.8	13.2	13.3	23.8	23.9
21	7.6	7.7	8.5	8.6	14.0	14.1	57	11.8	11.9	13.3	13.4	24.1	24.2
22	7.8	7.9	8.6	8.7	14.3	14.4	58	11.9	12.0	13.4	13.5	24.4	24.5
23	7.9	8.0	8.8	8.9	14.6	14.7	59	12.0	12.1	13.5	13.6	24.6	24.7
24	8.1	8.2	8.9	9.0	14.8	14.9	60	12.1	12.2	13.6	13.7	24.7	24.8
25	8.2	8.3	9.1	9.2	15.1	15.2	61	12.4	12.5	13.9	14.0	24.8	24.9
26	8.4	8.5	9.3	9.4	15.4	15.5	62	12.5	12.6	14.0	14.1	25.1	25.2
27	8.5	8.6	9.4	9.5	15.7	15.8	63	12.6	12.7	14.1	14.2	25.4	25.5
28	8.6	8.7	9.6	9.7	16.0	16.1	64	12.7	12.8	14.2	14.3	25.6	25.7
29	8.8	8.9	9.7	9.8	16.2	16.3	65	12.8	12.9	14.3	14.4	25.9	26.0
30	8.9	9.0	9.9	10.0	16.5	16.6	66	12.9	13.0	14.5	14.6	26.2	26.3
31	9.0	9.1	10.0	10.1	16.8	16.9	67	13.0	13.1	14.6	14.7	26.5	26.6
32	9.1	9.2	10.2	10.3	17.1	17.2	68	13.1	13.2	14.7	14.8	26.7	26.8
33	9.3	9.4	10.3	10.4	17.3	17.4	69	13.2	13.3	14.8	14.9	27.0	27.1
34	9.4	9.5	10.4	10.5	17.6	17.7	70	13.3	13.4	14.9	15.0	27.3	27.4
35	9.5	9.6	10.6	10.7	17.9	18.0	71	13.4	13.5	15.1	15.2	27.6	27.7

1/ Based on the WHO Child Growth Standards, Methods and Development, 2006

2/ Age refers to the age of the child computed to the nearest month as of last birth date.

For example, a child born on 01 October 2004 and weighed on 21 August 2007 is 2 years, 10 months and 30 days.

Multiplying 2 years by 12 months and adding 10 months, the child will be 24 months plus 10 months or 34 months old.

Disregard the number of days in the computation of age in months.

3/ The column on overweight may be used only for the quick assessment of overweight in children when length or height data is not available. When these data are available, a child's weight should be compared against his/her height/length to determine if overweight or obese.

For inquiries, please contact the National Nutrition Council at (02) 843-5868, 843-5824



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G. Child Growth Standards Table, Height(cm) for Age of Boys 0-71 months

Age (months)	Length (cm)							Age (months)	Length (cm)							
	Severely Stunted	Stunted		Normal		Tall			< -3SD	-3SD	Stunted		Normal		Tall	
		From	To	From	To						< -2SD	-2SD	+2SD	> +2SD		
0	44.1	44.2	46.0	46.1	53.7	53.8	12	68.5	68.6	70.9	71.0	80.5	80.6			
1	48.8	48.9	50.7	50.8	58.6	58.7	13	69.5	69.6	72.0	72.1	81.8	81.9			
2	52.3	52.4	54.3	54.4	62.4	62.5	14	70.5	70.6	73.0	73.1	83.0	83.1			
3	55.2	55.3	57.2	57.3	65.5	65.6	15	71.5	71.6	74.0	74.1	84.2	84.3			
4	57.5	57.6	59.6	59.7	68.0	68.1	16	72.4	72.5	74.9	75.0	85.4	85.5			
5	59.5	59.6	61.6	61.7	70.1	70.2	17	73.2	73.3	75.9	76.0	86.5	86.6			
6	61.1	61.2	63.2	63.3	71.9	72.0	18	74.1	74.2	76.8	76.9	87.7	87.8			
7	62.6	62.7	64.7	64.8	73.5	73.6	19	74.9	75.0	77.6	77.7	88.8	88.9			
8	63.9	64.0	66.1	66.2	75.0	75.1	20	75.7	75.8	78.5	78.6	89.8	89.9			
9	65.1	65.2	67.4	67.5	76.5	76.6	21	76.4	76.5	79.3	79.4	90.9	91.0			
10	66.3	66.4	68.6	68.7	77.9	78.0	22	77.1	77.2	80.1	80.2	91.9	92.0			
11	67.5	67.6	69.8	69.9	79.2	79.3	23	77.9	78.0	80.9	81.0	92.9	93.0			
Age (months)	Height (cm)							Age (months)	Height (cm)							
	Severely Stunted	Stunted		Normal		Tall			< -3SD	-3SD	Stunted		Normal		Tall	
		From	To	From	To						< -2SD	-2SD	+2SD	> +2SD		
24	77.9	78.0	80.9	81.0	93.2	93.3	48	90.6	90.7	94.8	94.9	111.7	111.8			
25	78.5	78.6	81.6	81.7	94.2	94.3	49	91.1	91.2	95.3	95.4	112.4	112.5			
26	79.2	79.3	82.4	82.5	95.2	95.3	50	91.5	91.6	95.8	95.9	113.0	113.1			
27	79.8	79.9	83.0	83.1	96.1	96.2	51	92.0	92.1	96.3	96.4	113.6	113.7			
28	80.4	80.5	83.7	83.8	97.0	97.1	52	92.4	92.5	96.8	96.9	114.2	114.3			
29	81.0	81.1	84.4	84.5	97.9	98.0	53	92.9	93.0	97.3	97.4	114.9	115.0			
30	81.6	81.7	85.0	85.1	98.7	98.8	54	93.3	93.4	97.7	97.8	115.5	115.6			
31	82.2	82.3	85.6	85.7	99.6	99.7	55	93.8	93.9	98.2	98.3	116.1	116.2			
32	82.7	82.8	86.3	86.4	100.4	100.5	56	94.2	94.3	98.7	98.8	116.7	116.8			
33	83.3	83.4	86.8	86.9	101.2	101.3	57	94.6	94.7	99.2	99.3	117.4	117.5			
34	83.8	83.9	87.4	87.5	102.0	102.1	58	95.1	95.2	99.6	99.7	118.0	118.1			
35	84.3	84.4	88.0	88.1	102.7	102.8	59	95.5	95.6	100.1	100.2	118.6	118.7			
36	84.9	85.0	88.6	88.7	103.5	103.6	60	96.0	96.1	100.6	100.7	119.2	119.3			
37	85.4	85.5	89.1	89.2	104.2	104.3	61	96.4	96.5	101.0	101.1	119.4	119.5			
38	85.9	86.0	89.7	89.8	105.0	105.1	62	96.8	96.9	101.5	101.6	120.0	120.1			
39	86.4	86.5	90.2	90.3	105.7	105.8	63	97.3	97.4	101.9	102.0	120.6	120.7			
40	86.9	87.0	90.8	90.9	106.4	106.5	64	97.7	97.8	102.4	102.5	121.2	121.3			
41	87.4	87.5	91.3	91.4	107.1	107.2	65	98.1	98.2	102.9	103.0	121.8	121.9			
42	87.9	88.0	91.8	91.9	107.8	107.9	66	98.6	98.7	103.3	103.4	122.4	122.5			
43	88.3	88.4	92.3	92.4	108.5	108.6	67	99.0	99.1	103.8	103.9	123.0	123.1			
44	88.8	88.9	92.9	93.0	109.1	109.2	68	99.4	99.5	104.2	104.3	123.6	123.7			
45	89.3	89.4	93.4	93.5	109.8	109.9	69	99.8	99.9	104.7	104.8	124.1	124.2			
46	89.7	89.8	93.9	94.0	110.4	110.5	70	100.3	100.4	105.1	105.2	124.7	124.8			
47	90.2	90.3	94.3	94.4	111.1	111.2	71	100.7	100.8	105.6	105.7	125.2	125.3			

1/ WHO Child Growth Standards (WHO-CGS) 2004 and WHO Reference Data, 2006

2/ To compute for the age in months, compute the child's age to the nearest month as of his last birth date. For example, a child born on 01 October 2004 and measured on 21 August 2007 is 2 years, 10 months and 20 days. Disregarding the number of days, the child is 34 months old (2 years multiplied by 12, plus 10 months equals 34 months).

3/ If a child is 0-23 months old, measure the child's length lying down (recumbent). If the child is 24-71 months old, measure the child's standing height.

If a child who is 0-23 months old will not lie down for measurement of length, the standing height may be measured. Just add 0.7 cm. to convert to length then proceed in classifying the child as instructed above. Reversely, a child 24-71 months old who will not stand up may be measured lying down.

Just deduct 0.7 cm. from the reading to convert to height and then, proceed with the classification.

4/ This table is also downloadable at url:www.nnc.gov.ph

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H. Child Growth Standards Table, Height(cm) for Age of Girls 0-71 months

Age (months)	Length (cm)							Age (months)	Length (cm)									
	Severely Stunted	Stunted		Normal		Tall			<-3SD	-3SD	<-2SD	-2SD	+2SD	>+2SD				
		From	To	From	To													
0	43.5	43.6	45.3	45.4	52.9	53.0		12	66.2	66.3	68.8	68.9	79.2	79.3				
1	47.7	47.8	49.7	49.8	57.6	57.7		13	67.2	67.3	69.9	70.0	80.5	80.6				
2	50.9	51.0	52.9	53.0	61.1	61.2		14	68.2	68.3	70.9	71.0	81.7	81.8				
3	53.4	53.5	55.5	55.6	64.0	64.1		15	69.2	69.3	71.9	72.0	83.0	83.1				
4	55.5	55.6	57.7	57.8	66.4	66.5		16	70.1	70.2	72.9	73.0	84.2	84.3				
5	57.3	57.4	59.5	59.6	68.5	68.6		17	71.0	71.1	73.9	74.0	85.4	85.5				
6	58.8	58.9	61.1	61.2	70.3	70.4		18	71.9	72.0	74.8	74.9	86.5	86.6				
7	60.2	60.3	62.6	62.7	71.9	72.0		19	72.7	72.8	75.7	75.8	87.6	87.7				
8	61.6	61.7	63.9	64.0	73.5	73.6		20	73.6	73.7	76.6	76.7	88.7	88.8				
9	62.8	62.9	65.2	65.3	75.0	75.1		21	74.4	74.5	77.4	77.5	89.8	89.9				
10	64.0	64.1	66.4	66.5	76.4	76.5		22	75.1	75.2	78.3	78.4	90.8	90.9				
11	65.1	65.2	67.6	67.7	77.8	77.9		23	75.9	76.0	79.1	79.2	91.9	92.0				
Age (months)	Height (cm)							Age (months)	Height (cm)									
	Severely Stunted	Stunted		Normal		Tall			<-3SD	-3SD	<-2SD	-2SD	+2SD	>+2SD				
		From	To	From	To													
24	75.9	76.0	79.2	79.3	92.2	92.3		48	89.7	89.8	94.0	94.1	111.3	111.4				
25	76.7	76.8	79.9	80.0	93.1	93.2		49	90.2	90.3	94.5	94.6	112.0	112.1				
26	77.4	77.5	80.7	80.8	94.1	94.2		50	90.6	90.7	95.0	95.1	112.7	112.8				
27	78.0	78.1	81.4	81.5	95.0	95.1		51	91.1	91.2	95.5	95.6	113.3	113.4				
28	78.7	78.8	82.1	82.2	96.0	96.1		52	91.6	91.7	96.0	96.1	114.0	114.1				
29	79.4	79.5	82.8	82.9	96.9	97.0		53	92.0	92.1	96.5	96.6	114.6	114.7				
30	80.0	80.1	83.5	83.6	97.7	97.8		54	92.5	92.6	97.0	97.1	115.2	115.3				
31	80.6	80.7	84.2	84.3	98.6	98.7		55	92.9	93.0	97.5	97.6	115.9	116.0				
32	81.2	81.3	84.8	84.9	99.4	99.5		56	93.3	93.4	98.0	98.1	116.5	116.6				
33	81.8	81.9	85.5	85.6	100.3	100.4		57	93.8	93.9	98.4	98.5	117.1	117.2				
34	82.4	82.5	86.1	86.2	101.1	101.2		58	94.2	94.3	98.9	99.0	117.7	117.8				
35	83.0	83.1	86.7	86.8	101.9	102.0		59	94.6	94.7	99.4	99.5	118.3	118.4				
36	83.5	83.6	87.3	87.4	102.7	102.8		60	95.1	95.2	99.8	99.9	118.9	119.0				
37	84.1	84.2	87.9	88.0	103.4	103.5		61	95.2	95.3	100.0	100.1	119.1	119.2				
38	84.6	84.7	88.5	88.6	104.2	104.3		62	95.6	95.7	100.4	100.5	119.7	119.8				
39	85.2	85.3	89.1	89.2	105.0	105.1		63	96.0	96.1	100.9	101.0	120.3	120.4				
40	85.7	85.8	89.7	89.8	105.7	105.8		64	96.4	96.5	101.3	101.4	120.9	121.0				
41	86.2	86.3	90.3	90.4	106.4	106.5		65	96.9	97.0	101.8	101.9	121.5	121.6				
42	86.7	86.8	90.8	90.9	107.2	107.3		66	97.3	97.4	102.2	102.3	122.0	122.1				
43	87.3	87.4	91.4	91.5	107.9	108.0		67	97.7	97.8	102.6	102.7	122.6	122.7				
44	87.8	87.9	91.9	92.0	108.6	108.7		68	98.1	98.2	103.1	103.2	123.2	123.3				
45	88.3	88.4	92.4	92.5	109.3	109.4		69	98.5	98.6	103.5	103.6	123.7	123.8				
46	88.8	88.9	93.0	93.1	110.0	110.1		70	98.9	99.0	103.9	104.0	124.3	124.4				
47	89.2	89.3	93.5	93.6	110.7	110.8		71	99.3	99.4	104.4	104.5	124.8	124.9				

1/ WHO Child Growth Standards (WHO-CGS) 2004 and WHO Reference Data, 2006

2/ To compute for the age in months, compute the child's age to the nearest month as of her last birth date. For example, a child born on 01 October 2004 and measured on 21 August 2007 is 2 years, 10 months and 20 days. Disregarding the number of days, the child is 34 months old (2 years multiplied by 12, plus 10 months equals 34 months).

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I. Source Code

```
// nutrimac/application/config/autoload.php

<?php if ( ! defined('BASEPATH')) exit('No direct script access allowed');

$config['base_url']      = 'http://localhost/nutrimac/';
$config['index_page']    = 'index.php';
$config['uri_protocol'] = 'AUTO';
$config['url_suffix']   = '';
$config['language']     = 'english';
$config['charset']       = 'UTF-8';
$config['enable_hooks']  = FALSE;
$config['subclass_prefix'] = 'MY_';
$config['permitted_uri_chars'] = 'a-z 0-9~%.:_\~-';
$config['allow_get_array'] = TRUE;
$config['enable_query_strings'] = FALSE;
$config['controller_trigger'] = 'c';
$config['function_trigger'] = 'm';
$config['directory_trigger'] = 'd'; // experimental not currently in use
$config['log_path'] = '';
$config['log_date_format'] = 'Y-m-d H:i:s';
$config['cache_path'] = '';
$config['encryption_key'] = '';
$config['sess_cookie_name'] = 'ci_session';
$config['sess_expiration'] = 7200;
$config['sess_expire_on_close'] = FALSE;
$config['sess_encrypt_cookie'] = FALSE;
$config['sess_use_database'] = FALSE;
$config['sess_table_name'] = 'ci_sessions';
$config['sess_match_ip'] = FALSE;
$config['sess_match_useragent'] = TRUE;
$config['sess_time_to_update'] = 300;
$config['csrf_protection'] = FALSE;
$config['csrf_token_name'] = 'csrf_test_name';
$config['csrf_cookie_name'] = 'csrf_cookie_name';
$config['csrf_expire'] = 7200;
$config['compress_output'] = FALSE;
$config['time_reference'] = 'local';
$config['rewrite_short_tags'] = FALSE;
$config['proxy_ips'] = '';

/* End of file config.php */
/* Location: ./application/config/config.php */

// nutrimac/application/config/constants.php
<?php if ( ! defined('BASEPATH')) exit('No direct script access allowed');

/*
|-----
| File and Directory Modes
|-----
|
| These prefs are used when checking and setting modes when working
| with the file system. The defaults are fine on servers with proper
| security, but you may wish (or even need) to change the values in
| certain environments (Apache running a separate process for each
| user, PHP under CGI with Apache suEXEC, etc.). Octal values should
| always be used to set the mode correctly.
|
*/
define('FILE_READ_MODE', 0644);
define('FILE_WRITE_MODE', 0666);
define('DIR_READ_MODE', 0755);
define('DIR_WRITE_MODE', 0777);

/*
|-----
| File Stream Modes
|-----
|
| These modes are used when working with fopen() / popen()
|
*/
define('FOPEN_READ', 'rb');
define('FOPEN_READ_WRITE', 'r+b');
define('FOPEN_WRITE_CREATE_DESTRUCTIVE', 'wb'); // truncates existing file data, use with care
define('FOPEN_READ_WRITE_CREATE_DESTRUCTIVE', 'w+b'); // truncates existing file data, use with care
define('FOPEN_WRITE_CREATE', 'ab');
define('FOPEN_READ_WRITE_CREATE', 'a+b');
define('FOPEN_WRITE_CREATE_STRICT', 'xb');
define('FOPEN_READ_WRITE_CREATE_STRICT', 'x+b');
```

```

// Define Ajax Request
define('IS_AJAX', isset($_SERVER['HTTP_X_REQUESTED_WITH']) &&
strtolower($_SERVER['HTTP_X_REQUESTED_WITH']) == 'xmlhttprequest');
/*
/* End of file constants.php */
/* Location: ./application/config/constants.php */

// nutrimac/application/config/database.php
<?php if ( ! defined('BASEPATH')) exit('No direct script access allowed');
/*
| -----
| DATABASE CONNECTIVITY SETTINGS
| -----
| This file will contain the settings needed to access your database.
|
| For complete instructions please consult the 'Database Connection'
| page of the User Guide.
// nutrimac/application/config/database.php
<?php if ( ! defined('BASEPATH')) exit('No direct script access allowed');

$active_group = 'default';
$active_record = TRUE;

$db['default']['hostname'] = 'localhost';
$db['default']['username'] = 'root';
$db['default']['password'] = 'root';
$db['default']['database'] = 'nutrimac';
$db['default']['dbdriver'] = 'mysql';
$db['default']['dbprefix'] = "";
$db['default']['pconnect'] = TRUE;
$db['default']['db_debug'] = TRUE;
$db['default']['cache_on'] = FALSE;
$db['default']['cachefile'] = "";
$db['default']['char_set'] = 'utf8';
$db['default']['dbcollat'] = 'utf8_general_ci';
$db['default']['swap_pre'] = "";
$db['default']['autoinit'] = TRUE;
$db['default']['stricton'] = FALSE;

/* End of file database.php */
/* Location: ./application/config/database.php */

// nutrimac/application/config/email.php
<?php
$config = Array(
    'protocol' => 'smtp',
    'smtp_host' => 'ssl://smtp.googlemail.com',
    'smtp_port' => 465,
    'smtp_user' => 'nutrimacPH@gmail.com',
    'smtp_pass' => 'nutrimac',
    'mailtype' => 'html',
    'charset' => 'iso-8859-1'
);

?>

// nutrimac/application/config/menu.php
<?php if ( ! defined('BASEPATH')) exit('No direct script access allowed');
/*
| -----
| EXPLANATION OF VARIABLES
| -----
|
* $config[$user_mode]=array($title, $id, $path or $submenu);
* $user_mode -> Users are classified into 3: admin, BHAdmin, BHW.
* $title -> the title of the link which will be shown in the menu
* $id -> the <li> id of the link. If not needed, this can be left as "
* $path -> if the menu item has no submenu, provide the link path.
* $submenu -> if the link has a submenu, provide an array of links --> array( array1, array2, array3,...)
*
*/
$config['admin']=array(
    array('Home', 'home', 'home'),
    array('BHC Admin', 'bhcAdmin',
        array(
            array('Admin Requests', 'BHCAadminRequests', 'admin/BHCAadminRequests')
        )
    ),
    array('OPT', 'opt',

```

```

        array(
            array('Generate OPT Results' , 'generateOPTResults', '#'),
            array('View OPT Results' , 'viewOPTResults' , 'admin/viewOPTResults')
        )
    ),
    array('Settings', 'settings',
        array(
            array('Change Password' , 'changePassword', '#')
        )
    ),
    array('Logout','logout', 'logout')
);

$config['BHCadmin']=array(
    array('Home', 'home', 'home'),
    array('Users', 'users',
        array(
            array('Add a BHW','addBHW', '#'),
            array('View BHW Information','viewBHW', 'BHCadmin/viewBHW')
        )
    ),
    array('Barangay Health Center' , 'bhc',
        array(
            array('Generate BHC Results','generateBHCResults', '#'),
            array('View BHC Results','viewBHC', 'BHCadmin/viewBHC')
        )
    ),
    array('Barangay' , 'barangay',
        array(
            array('Add a Barangay','addBarangay', '#'),
            array('View Barangay','viewBarangay', 'BHCadmin/viewBarangay'),
            array('Edit Barangay','editBarangay', 'BHCadmin/editBarangay')
        )
    ),
    array('Child', 'child',
        array(
            array('View Child Information','viewChild', 'BHCadmin/viewChild')
        )
    ),
    array('Settings' , 'settings',
        array(
            array('Change Username','changeUsername' , '#'),
            array('Change Password' , 'changePassword', '#'),
            array('Edit Profile', 'editProfile', '#')
        )
    ),
    array('Logout','logout', 'logout')
);

$config['BHW']=array(
    array('Home', 'home', 'home'),
    array('Barangay','barangay',
        array(
            array('View Barangay','viewBarangay', 'BHW/viewBarangay'),
            array('Generate Barangay Results','generateBrgyResults', '#')
        )
    ),
    array('Child', 'child',
        array(
            array('Add a Child','addChild', '#'),
            array('View Child Information','viewChild', 'BHW/viewChild')
        )
    ),
    array('Add OPT Data', 'opt', 'BHW/addOPT'),
    array('Settings','settings',
        array(
            array('Change Username','changeUsername' , '#'),
            array('Change Password' , 'changePassword', '#'),
            array('Edit Profile', 'editProfile', '#')
        )
    ),
    array('Logout','logout', 'logout')
);

$config['guest']=array(
    array('Home','home', 'home'),

```

```

        array('Login', 'login', '#")
);

// nutrimac/application/config/routes.php
<?php if ( ! defined('BASEPATH')) exit('No direct script access allowed');

$route['default_controller'] = "home";
$route['404_override'] = "";

/* End of file routes.php */
/* Location: ./application/config/routes.php */

// nutrimac/application/config/config.php
<?php if ( ! defined('BASEPATH')) exit('No direct script access allowed');

/*
-----
| Base Site URL
-----
|
| URL to your CodeIgniter root. Typically this will be your base URL,
| WITH a trailing slash:
|
|     http://example.com/
|
| If this is not set then CodeIgniter will guess the protocol, domain and
| path to your installation.
|
*/
$config['base_url']      = 'http://localhost/mobiquick/';

/*
-----
| Index File
-----
|
| Typically this will be your index.php file, unless you've renamed it to
| something else. If you are using mod_rewrite to remove the page set this
| variable so that it is blank.
|
*/
$config['index_page'] = 'index.php';

/*
-----
| URI PROTOCOL
-----
|
| This item determines which server global should be used to retrieve the
| URI string. The default setting of 'AUTO' works for most servers.
| If your links do not seem to work, try one of the other delicious flavors:
|
| 'AUTO'                  Default - auto detects
| 'PATH_INFO'             Uses the PATH_INFO
| 'QUERY_STRING'          Uses the QUERY_STRING
| 'REQUEST_URI'           Uses the REQUEST_URI
| 'ORIG_PATH_INFO'        Uses the ORIG_PATH_INFO
|
*/
$config['uri_protocol'] = 'AUTO';

/*
-----
| URL suffix
-----
|
| This option allows you to add a suffix to all URLs generated by CodeIgniter.
| For more information please see the user guide:
|
| http://codeigniter.com/user_guide/general/urls.html
*/
$config['url_suffix'] = '';

/*
-----
| Default Language
-----
|
| This determines which set of language files should be used. Make sure
| there is an available translation if you intend to use something other

```

```

| than english.
|
| */
$config['language']      = 'english';

/*
|-----
| Default Character Set
|-----
|
| This determines which character set is used by default in various methods
| that require a character set to be provided.
|
| */
$config['charset'] = 'UTF-8';

/*
|-----
| Enable/Disable System Hooks
|-----
|
| If you would like to use the 'hooks' feature you must enable it by
| setting this variable to TRUE (boolean). See the user guide for details.
|
| */
$config['enable_hooks'] = FALSE;

/*
|-----
| Class Extension Prefix
|-----
|
| This item allows you to set the filename/classname prefix when extending
| native libraries. For more information please see the user guide:
|
| http://codeigniter.com/user_guide/general/core_classes.html
| http://codeigniter.com/user_guide/general/creating_libraries.html
|
| */
$config['subclass_prefix'] = 'MY_';

/*
|-----
| Allowed URL Characters
|-----
|
| This lets you specify with a regular expression which characters are permitted
| within your URLs. When someone tries to submit a URL with disallowed
| characters they will get a warning message.
|
| As a security measure you are STRONGLY encouraged to restrict URLs to
| as few characters as possible. By default only these are allowed: a-z 0-9~%:_-
|
| Leave blank to allow all characters -- but only if you are insane.
|
| DO NOT CHANGE THIS UNLESS YOU FULLY UNDERSTAND THE REPERCUSSIONS!!
|
| */
$config['permitted_uri_chars'] = 'a-z 0-9~%:_\\";

/*
|-----
| Enable Query Strings
|-----
|
| By default CodeIgniter uses search-engine friendly segment based URLs:
| example.com/who/what/where/
|
| By default CodeIgniter enables access to the $_GET array. If for some
| reason you would like to disable it, set 'allow_get_array' to FALSE.
|
| You can optionally enable standard query string based URLs:
| example.com?who=me&what=something&where=here
|
| Options are: TRUE or FALSE (boolean)
|
| The other items let you set the query string 'words' that will
| invoke your controllers and its functions:

```

```

| example.com/index.php?c=controller&m=function
|
| Please note that some of the helpers won't work as expected when
| this feature is enabled, since CodeIgniter is designed primarily to
| use segment based URLs.
|
*/
$config['allow_get_array']           = TRUE;
$config['enable_query_strings'] = FALSE;
$config['controller_trigger']      = 'c';
$config['function_trigger']        = 'm';
$config['directory_trigger']       = 'd'; // experimental not currently in use

/*
|-----
| Error Logging Threshold
|-----
|
| If you have enabled error logging, you can set an error threshold to
| determine what gets logged. Threshold options are:
| You can enable error logging by setting a threshold over zero. The
| threshold determines what gets logged. Threshold options are:
|
|     0 = Disables logging, Error logging TURNED OFF
|     1 = Error Messages (including PHP errors)
|     2 = Debug Messages
|     3 = Informational Messages
|     4 = All Messages
|
| For a live site you'll usually only enable Errors (1) to be logged otherwise
| your log files will fill up very fast.
|
*/
$config['log_threshold'] = 0;

/*
|-----
| Error Logging Directory Path
|-----
|
| Leave this BLANK unless you would like to set something other than the default
| application/logs/ folder. Use a full server path with trailing slash.
|
*/
$config['log_path'] = "";

/*
|-----
| Date Format for Logs
|-----
|
| Each item that is logged has an associated date. You can use PHP date
| codes to set your own date formatting
|
*/
$config['log_date_format'] = 'Y-m-d H:i:s';

/*
|-----
| Cache Directory Path
|-----
|
| Leave this BLANK unless you would like to set something other than the default
| system/cache/ folder. Use a full server path with trailing slash.
|
*/
$config['cache_path'] = "";

/*
|-----
| Encryption Key
|-----
|
| If you use the Encryption class or the Session class you
| MUST set an encryption key. See the user guide for info.
|
*/
$config['encryption_key'] = "";

/*
|-----

```

```

| Session Variables
| -----
|
| 'sess_cookie_name'           = the name you want for the cookie
| 'sess_expiration'           = the number of SECONDS you want the session to last.
| by default sessions last 7200 seconds (two hours). Set to zero for no expiration.
| 'sess_expire_on_close'      = Whether to cause the session to expire automatically
| when the browser window is closed
| 'sess_encrypt_cookie'       = Whether to encrypt the cookie
| 'sess_use_database'          = Whether to save the session data to a database
| 'sess_table_name'            = The name of the session database table
| 'sess_match_ip'              = Whether to match the user's IP address when reading the session data
| 'sess_match_useragent'       = Whether to match the User Agent when reading the session data
| 'sess_time_to_update'        = how many seconds between CI refreshing Session Information
|
| */
$config['sess_cookie_name']      = 'ci_session';
$config['sess_expiration']       = 7200;
$config['sess_expire_on_close']   = FALSE;
$config['sess_encrypt_cookie']    = FALSE;
$config['sess_use_database']      = FALSE;
$config['sess_table_name']        = 'ci_sessions';
$config['sess_match_ip']          = FALSE;
$config['sess_match_useragent']   = TRUE;
$config['sess_time_to_update']    = 300;

/*
| -----
| Cookie Related Variables
| -----
|
| 'cookie_prefix' = Set a prefix if you need to avoid collisions
| 'cookie_domain' = Set to .your-domain.com for site-wide cookies
| 'cookie_path'   = Typically will be a forward slash
| 'cookie_secure' = Cookies will only be set if a secure HTTPS connection exists.
|
| */
$config['cookie_prefix']  = "";
$config['cookie_domain'] = "";
$config['cookie_path']   = "/";
$config['cookie_secure'] = FALSE;

/*
| -----
| Global XSS Filtering
| -----
|
| Determines whether the XSS filter is always active when GET, POST or
| COOKIE data is encountered
|
| */
$config['global_xss_filtering'] = FALSE;

/*
| -----
| Cross Site Request Forgery
| -----
|
| Enables a CSRF cookie token to be set. When set to TRUE, token will be
| checked on a submitted form. If you are accepting user data, it is strongly
| recommended CSRF protection be enabled.
|
| 'csrf_token_name' = The token name
| 'csrf_cookie_name' = The cookie name
| 'csrf_expire' = The number in seconds the token should expire.
|
| */
$config['csrf_protection'] = FALSE;
$config['csrf_token_name'] = 'csrf_test_name';
$config['csrf_cookie_name'] = 'csrf_cookie_name';
$config['csrf_expire'] = 7200;

/*
| -----
| Output Compression
| -----
|
| Enables Gzip output compression for faster page loads. When enabled,
| the output class will test whether your server supports Gzip.
| Even if it does, however, not all browsers support compression
| so enable only if you are reasonably sure your visitors can handle it.
|
| VERY IMPORTANT: If you are getting a blank page when compression is enabled it

```

```

| means you are prematurely outputting something to your browser. It could
| even be a line of whitespace at the end of one of your scripts. For
| compression to work, nothing can be sent before the output buffer is called
| by the output class. Do not 'echo' any values with compression enabled.
|
*/
$config['compress_output'] = FALSE;

/*
|-----
| Master Time Reference
|-----
|
| Options are 'local' or 'gmt'. This pref tells the system whether to use
| your server's local time as the master 'now' reference, or convert it to
| GMT. See the 'date helper' page of the user guide for information
| regarding date handling.
|
*/
$config['time_reference'] = 'local';

/*
|-----
| Rewrite PHP Short Tags
|-----
|
| If your PHP installation does not have short tag support enabled CI
| can rewrite the tags on-the-fly, enabling you to utilize that syntax
| in your view files. Options are TRUE or FALSE (boolean)
|
*/
$config['rewrite_short_tags'] = FALSE;

/*
|-----
| Reverse Proxy IPs
|-----
|
| If your server is behind a reverse proxy, you must whitelist the proxy IP
| addresses from which CodeIgniter should trust the HTTP_X_FORWARDED_FOR
| header in order to properly identify the visitor's IP address.
| Comma-delimited, e.g. '10.0.1.200,10.0.1.201'
|
*/
$config['proxy_ips'] = "";

/* End of file config.php */
/* Location: ./application/config/config.php */

// nutrimac/application/controller/admin/BHAdminRequests.php
<?php if ( ! defined('BASEPATH')) exit('No direct script access allowed');

class BHAdminRequests extends CI_Controller {

    public function index()
    {
        $this->session->unset_userdata('login');
        $this->session->set_userdata('page', 'admin');
        $this->load->model('admin/BHAdminRequests_model');
        $data['requests']=$this->BHAdminRequests_model->getRequests();
        $data['main_content']='admin/BHAdminRequests_view';
        $data['title']='Approve Requests';
        $this->load->view('template', $data);
    }

    public function approve($id){
        $this->load->model('admin/BHAdminRequests_model');

        $this->BHAdminRequests_model->approve($id);
        $data=$this->BHAdminRequests_model->getUserData($id);
        $this->sendEmail($data, 'approved!');
    }

    public function sendEmail($user, $status){
        $this->email->set_newline("\r\n");

```

```

        $this->email->from('mobiquickPH@gmail.com', 'MobiQuick PH');
        $this->email->to($user->email);
        $this->email->subject('MobiQuick PH account');
        $this->email->message(
            $user->name.' '.$user->surname,
            '  
This is to notify you that your MobiQuick PH account has been '.$status.'  

            'Username:'.$user->username.'  

            'MobiQuick PH Team');
        $this->email->send();
    }

    public function reject($id){
        $this->load->model('admin/BHAdminRequests_model');
        $data=$this->BHAdminRequests_model->getUserData($id);
        $this->sendEmail($data, 'rejected.');
        $this->BHAdminRequests_model->reject($id);
    }
}

?>

// nutrimac/application/controller/admin/generateOPTResults.php
<?php if ( ! defined('BASEPATH')) exit('No direct script access allowed');

class generateOPTResults extends CI_Controller {

    function generateOPTResults()
    {
        parent::__construct();
        $this->load->model('admin/generateOPTResults_model');
    }

    public function processMunicipality(){
        $date=trim(ucwords(strtolower($this->input->post('month'))))." ".trim($this->input->post('year'));

        $municipalities= $this->getMunicipalities($date);

        if($municipalities==null){
            $this->output->set_content_type('application/json');
            $this->output->set_output(json_encode(array('result'=>null)));
            return false;
        }

        foreach($municipalities as $municipality){
            $this->generateOPTResults_model->generateResults($municipality, $date);
        }
        $this->output->set_content_type('application/json');
        $this->output->set_output(json_encode(array('result'=>true)));
        return true;
    }

    public function getMunicipalities($date){
        return $this->generateOPTResults_model->getMunicipalities($date);
    }
}

?>

// nutrimac/application/controller/admin/viewOPTResults.php
<?php if ( ! defined('BASEPATH')) exit('No direct script access allowed');

class viewOPTResults extends CI_Controller {

    public $bhc_id;

    function viewOPTResults()
    {
        parent::__construct();
        $this->load->model('admin/viewOPTResults_model');
        $this->load->model('BHAdmin/register_model');

    }
}

```

```

public function index() {
    $this->session->set_userdata('page', 'admin');
    $this->session->unset_userdata('login');
    $data['main_content']='admin/viewOPTresults_view';
    $data['title']='View OPT Results';
    $data['province']=$this->register_model->getProvince();
    $this->load->view('template', $data);
}

public function unsetMunicipality(){
    $this->session->unset_userdata('municipality');
    $this->getDates();
}

public function getMunID(){
    $this->load->model('admin/viewOPTresults_model');

    $b=$this->viewOPTresults_model->getMunID();
    $this->output->set_content_type('application/json');
    $this->output->set_output(json_encode($b));
}

public function getDates(){
    $select="";

    if($this->session->userdata('municipality')){
        $municipality = $this->session->userdata('municipality');
    }
    else{
        $municipality_id=$this->input->post('municipality');
    }

    $dates=$this->viewOPTresults_model->getDates($municipality_id);
    if($dates == null){
        echo "No record found.";
        return;
    }

    for($i=0; $i<count($dates['dates']); $i++){
        $select.= "<label style='width:100px; margin-left:30px; height:20px; font: 8px Helvetica;' class='maroon'><input type='radio' style='top: -30px; display:none' id='dates' name='dates' value='".$dates['id'][$i]."'><span style='text-align:center; font-size:12px; padding:3px;'>".$dates['dates'][$i]."</span></label><br>";
    }

    echo $select;
    return;
}

public function getOPT(){
    $municipality_id=$this->input->post('municipality');
    $date=$this->input->post('date');
    $munInfo=$this->viewOPTresults_model->getInfo($municipality_id);
    //munInfo->provName
    //munInfo->munName

    $this->printOPTinfo($municipality_id, $date); //print in view
}

public function printOPTinfo($municipality_id, $date){
    $select="";

    $opt=$this->getOPTdetails($municipality_id,$date);
    $date_name=$this->viewOPTresults_model->getDateName($date);

    $this->output->set_content_type('application/json');
    $this->output->set_output(json_encode($opt));

    return true;
} //end printBHCinfo

public function getOPTstats($municipality_id,$date){
    $BHCs=$this->viewOPTresults_model->getBHCs($municipality_id,$date);
    if($BHCs==null){
        return null;
    }
    $bhc=array("est_pop"=>0, "eligible_pop"=>0, "prev"=>0);
    for($i=0; $i<count($barangays['id']); $i++){
        if(($barangays['pop'][$i])>0){
            $bhc['prev']+=(round((($barangays['pop'][$i]/$barangays['eligible_pop'][$i])*100, 2));
            //success rate wrt eligible pop
        }
    }
}

```

```

        }
        $bhc['est_pop']+=$barangays['est_pop'][$i];
        $bhc['elligible_pop']+=$barangays['elligible_pop'][$i];
    }
    return $bhc;
}

///////////////



public function getOPTdetails($municipality_id, $date){
    return $this->viewOPTresults_model->getOPTdetails($municipality_id, $date);
}

public function getMunInfo(){
    $date=$this->input->post('date');
    $municipality_id=$this->input->post('municipality');
    $result= $this->viewOPTresults_model->getMuninfo($date, $municipality_id);

    $this->output->set_content_type('application/json');
    $this->output->set_output(json_encode($result));

    return true;
}

public function deleteResult($date){
    $this->viewOPTresults_model->deleteResult($date);
}
}

?>
// nutrimac/application/controller/BHCadmin/BHCadmin.php
<?php if ( ! defined('BASEPATH')) exit('No direct script access allowed');

class BHCadmin extends CI_Controller {

    function BHCadmin()
    {
parent::__construct();
        $this->load->model('BHCadmin/BHCadmin_model');

    }

    public function getBHW(){
        $bhw=$this->BHCadmin_model->getBHW();
        $this->output->set_content_type('application/json');
        $this->output->set_output(json_encode($bhw));

        return true;
    }

    public function isUniqueInBHC(){
        $bhc_id=$this->session->userdata('bhc_id');
        $name=$this->input->post('name');
        $result=$this->BHCadmin_model->isUniqueInBHC($bhc_id, $name);

        $this->output->set_content_type('application/json');
        $this->output->set_output(json_encode($result));
    }

    public function saveToDatabase(){

        $data = json_decode($this->input->post('data'));
        $table = $this->input->post('table');

        if($id=$this->BHCadmin_model->saveToDatabase($data, $table)) {
            $this->output->set_content_type('application/json');
            $this->output->set_output(json_encode(array('id'=>$id)));
            return;
        }

        else {
            $this->output->set_content_type('application/json');
            $this->output->set_output(json_encode(array('id'=>false)));
            return;
        }
    }

}

```

```

// nutrimac/application/controller/BHCadmin/viewBHC.php
<?php if ( ! defined('BASEPATH')) exit('No direct script access allowed');

class viewBHC extends CI_Controller {

    public $bhc_id;

    function viewBHC()
    {
        parent::__construct();
        $this->load->model('BHCadmin/viewBHC_model');
        $this->load->model('BHW/viewBarangay_model');
    }

    public function index() {
        $this->session->set_userdata('page', 'BHCadmin');
        $this->session->unset_userdata('login');
        $id=$this->session->userdata('bhc_id');
        $data['dates']=$this->viewBHC_model->getDates($id);
        $data['main_content']='BHCadmin/viewBHC_view';
        $data['title']='View BHC Information';
        $this->load->view('template', $data);
    }

    public function getBHC(){ //called from view
        $bhc_id=$this->session->userdata('bhc_id');
        $date=$this->input->post('date');
        $this->session->set_userdata('date', $date);
        $bhc=$this->viewBHC_model->getBHCDetails($date);
        $this->output->set_content_type('application/json');
        $this->output->set_output(json_encode($bhc));
    }

    public function getDateID(){
        $this->load->model('BHW/viewBHC_model');
        $date=$this->input->post('date');
        $b=$this->viewBHC_model->getDateID($date);
        $this->output->set_content_type('application/json');
        $this->output->set_output(json_encode($b));
    }

    public function getBHCinfo(){
        $bhc_id=$this->session->userdata('bhc_id');
        $date=$this->input->post('date');
        $info=$this->viewBHC_model->getBHCinfo($date, $bhc_id);
        $this->output->set_content_type('application/json');
        $this->output->set_output(json_encode($info));
    }

    public function getBrgyPerIndex(){
        $bhc_id=$this->session->userdata('bhc_id');
        $date=$this->input->post('date');
        $i=$this->input->post('index');
        $barangay=$this->viewBHC_model->getBrgyPerIndex($date, $i, $bhc_id);
        $this->output->set_content_type('application/json');
        $this->output->set_output(json_encode($barangay));
    }

}

?>

// nutrimac/application/controller/BHCadmin/viewChild.php
<?php if ( ! defined('BASEPATH')) exit('No direct script access allowed');

class viewChild extends CI_Controller {

    public $child_id;

    function viewChild()
    {
        parent::__construct();
        $this->load->model('BHCadmin/viewBarangay_model');

```

```

        $this->load->model('BHW/childFunctions_model');
        $this->load->model('BHW/viewChild_model');

    }

    public function index() {
        $this->session->set_userdata('page', 'BHCadmin');

        $this->session->unset_userdata('login');
        $data['barangay']=$this->viewBarangay_model->getBarangay();
        if($data['barangay']==null){
            $data['val']='No barangays found.';
            $data['main_content']='oops_view';
            $data['title']='Error';
            $this->load->view('template', $data);
            return;
        }

        $data['main_content']='BHW/viewChild_view';
        $data['title']='View Child Information';
        $this->load->view('template', $data);

    }

}

?>

// nutrimac/application/controller/BHCadmin/viewBarangay.php
<?php if ( ! defined('BASEPATH')) exit('No direct script access allowed');

class viewBarangay extends CI_Controller {

    function viewBarangay()
    {
        parent::__construct();
        $this->load->model('BHCadmin/viewBarangay_model');
    }

    public function index() {
        $this->session->set_userdata('page', 'BHCadmin');
        $this->session->unset_userdata('login');
        $data['barangay']=$this->viewBarangay_model->getBarangay();
        $data['main_content']='BHW/viewBarangay_view';
        $data['title']='View Barangay Information';
        $this->load->view('template', $data);

    }
}

?>

// nutrimac/application/controller/BHCadmin/viewBHW.php
<?php if ( ! defined('BASEPATH')) exit('No direct script access allowed');

class viewBHW extends CI_Controller {

    function viewBHW()
    {
        parent::__construct();
        $this->load->model('BHCadmin/viewBHW_model');
    }

    public function index() {
        $this->session->set_userdata('page', 'BHCadmin');
        $bhc_id=$this->session->userdata('bhc_id');
        $data['bhw']=$this->viewBHW_model->getBHW($bhc_id);
        $data['main_content']='BHCadmin/viewBHW_view';
        $data['title']='View BHW Information';
        $this->load->view('template', $data);

    }
}

//end index

```

```

public function getBHW(){
    $id=$this->input->post('bhw_id');
    $data=$this->viewBHW_model->getBHWdetails($id);

    $this->output->set_content_type('application/json');
    $this->output->set_output(json_encode($data));
    return;
}

// end class
?>

// nutrimac/application/controller/BHCadmin/register.php
<?php if ( ! defined('BASEPATH')) exit('No direct script access allowed');

class Register extends CI_Controller {

    function Register()
    {
        parent::__construct();
        $this->load->model('BHCadmin/register_model');
    }

    public function index()
    {
        $this->session->set_userdata('page', 'guest');
        $data['main_content']='BHCadmin/registerBHC_view';
        $data['title']='Register';
        $data['province']=$this->register_model->getProvince();
        $this->load->view('BHCadmin/registerBHC_view', $data);
    }

    public function saveBHC(){
        $municipality_id=$this->input->post('municipality');
        $name=$this->input->post('bhcname');
        $result=$this->register_model->saveBHC($municipality_id, $name);

        $this->output->set_content_type('application/json');
        $this->output->set_output(json_encode(array('result'=>$result)));
    }

    public function saveToDatabase(){
        $temp=json_decode($this->input->post('data'), true);
        $data=array();
        foreach($temp as $t){
            $data[$t['name']]=$t['value'];
        }
        $data['password']=md5($data['password']);
        $data['bhc_id']=$this->input->post('bhc_id');
        $data['mode']='BHCadmin';

        $result=$this->register_model->saveToDatabase($data);

        $this->output->set_content_type('application/json');
        $this->output->set_output(json_encode(array('result'=>$result)));
    }

    public function getMunicipality() {
        $province_id = $this->input->post('province');

        $result = $this->register_model->getMunicipality($province_id);

        $this->output->set_content_type('application/json');
        $this->output->set_output(json_encode($result));
        return true;
    }

// nutrimac/application/controller/BHCadmin/getPDF.php
<?php if ( ! defined('BASEPATH')) exit('No direct script access allowed');

```

```

class getPDF extends CI_Controller {

    function getPDF()
    {
        parent::__construct();
        $this->load->model('BHCadmin/viewBHC_model');
        $this->load->model('BHW/viewBarangay_model');
    }

    public function index() {
        $this->session->set_userdata('page', 'BHCadmin');
        $this->session->unset_userdata('login');

        if(!$this->session->userdata('login') && !$this->session->userdata('logged_in')){
            redirect(base_url());
        }
        if($this->session->userdata('mode') != $this->session->userdata('page')){
            redirect(base_url());
        }
        error_reporting(E_ALL | E_STRICT);
        ini_set('display_errors', TRUE);
        ini_set('memory_limit', '-1');

        $this->load->helper(array('dompdf', 'file'));
        $data['date']=$this->session->userdata('date');
        $data['bhc_id']=$this->session->userdata('bhc_id');
        $data['bhc']=$this->viewBHC_model->getBHCdetails($data['date']);
        $data['date_name']=$this->viewBHC_model->getDateName($data['date']);
        $data['bhcInfo']=$this->viewBHC_model->getBHCinfo($data['date'], $data['bhc_id']);
        $data['adminName']=$this->viewBHC_model->getAdminInfo($this->session->userdata('id'));

        for($i=1; $i<=13; $i++){
            $data['barangay'][$i]=$this->viewBHC_model->getBrgyPerIndex($data['date_name'], $i, $data['bhc_id']);
        }

        $html=$this->load->view('BHCadmin/pdf', $data, true);

        pdf_create($html, $data['bhc']['name'].'_'.$data['date_name']);

        /*pdf_create($pdf2, $this->getTable("Height for Age", 1, 4, $bhc_id, $date_name,
        $bhcInfo,$bhc['child_pop']),$bhc['name'].'_'.$date_name,2);
        pdf_create($pdf3, $this->getTable("Weight for Age", 5, 8, $bhc_id, $date_name,
        $bhcInfo,$bhc['child_pop']),$bhc['name'].'_'.$date_name,3);
        pdf_create($pdf4, $this->getTable("Weight for Height", 9, 13, $bhc_id, $date_name,
        $bhcInfo,$bhc['child_pop']),$bhc['name'].'_'.$date_name,4);
        */
        //printPDF($pdf1.$pdf2, $bhc['name'].'_'.$date_name, false);

    }

}

?>

// nutrimac/application/controller/BHCadmin/generateBHCResult.php
<?php if ( ! defined('BASEPATH')) exit('No direct script access allowed');

class generateBHCResults extends CI_Controller {

    function generateBHCResults()
    {
        parent::__construct();
        $this->load->model('BHCadmin/generateBHCResults_model');
    }

    public function processBHC(){
        $date=trim(ucwords(strtolower($this->input->post('month'))))." ".trim($this->input->post('year'));

        $bhc_id=$this->session->userdata('bhc_id');

        $result=$this->generateBHCResults_model->generateResults($bhc_id, $date);
        if($result==null){

```

```

        $this->output->set_content_type('application/json');
        $this->output->set_output(json_encode(array('result'=>null)));
        return false;
    }

    $this->output->set_content_type('application/json');
    $this->output->set_output(json_encode(array('result'=>true)));
    return true;
}

// nutrimac/application/controller/BHCadmin/editBarangay.php
<?php if ( ! defined('BASEPATH')) exit('No direct script access allowed');

class editBarangay extends CI_Controller {

    function editBarangay()
    {
        parent::__construct();
        $this->load->model('BHCadmin/editBarangay_model');
        $this->load->model('BHCadmin/BHCadmin_model');
    }

    public function index()
    {
        $this->session->set_userdata('page', 'BHCadmin');
        $this->session->unset_userdata('login');
        $data['barangay']=$this->editBarangay_model->getBarangay();
        $data['bhw_names']=$this->BHCadmin_model->getBHW();
        $data['main_content']='BHCadmin/editBarangay_view';
        $data['title']='Edit a Barangay';
        $this->load->view('template', $data);
    }

    public function editInfo(){
        $id=$this->input->post('barangay_id');
        $brgy=$this->editBarangay_model->getBarangayInfo($id);
        $this->output->set_content_type('application/json');
        $this->output->set_output(json_encode($brgy));
    }

    public function isUniqueInBHC(){
        $this->load->model('BHCadmin/addBarangay_model');
        $bhc_id=$this->session->userdata('bhc_id');
        if(!($this->addBarangay_model->isUniqueInBHC($bhc_id))){
            $this->form_validation->set_message('isUniqueInBHC', 'The barangay you entered already has a record in
this Health Center.');
            return false;
        }
        return true;
    }

    public function saveBarangayInfo(){
        $id=$this->input->post('barangay_id');
        $dataArray=array(
            'bhw_id'=>$this->input->post('bhw_id'),
            'name'=>$this->input->post('barangay')
        );
        $result=$this->editBarangay_model->saveBarangayInfo($id, $dataArray);
        $this->output->set_content_type('application/json');
        $this->output->set_output(json_encode(array('result'=>$result)));
    }

    public function saveToDatabase(){

        $this->load->model('BHCadmin/addBarangay_model');
        $barangay = $this->input->post('barangay');
        $bhw = $this->input->post('bhw');
        $bhc = $this->session->userdata('bhc_id');

        if($this->addBarangay_model->saveToDatabase($barangay, $bhw, $bhc)) {
            return true;
        }

        else {
            $this->form_validation->set_message('saveToDatabase', 'Error in saving to Database.');
        }
    }
}

```

```

        return false;
    }
}

}

// nutrimac/application/controller/BHW/addChild.php
<?php if ( ! defined('BASEPATH')) exit('No direct script access allowed');

class addChild extends CI_Controller {

    function addChild(){
        parent::__construct();
        $this->load->model('BHW/childFunctions_model');
        $this->load->model('BHW/BHW_model');
    }

    public function validateAge(){
        $Month=$this->input->post('month');
        $Year = $this->input->post('year');
        $bday=$this->input->post('bday');

        $age=$this->childFunctions_model->getAge($bday, $Month, $Year);

        if($age<72 && $age>=0){
            $result= array('result'=>true, 'age'=>$age);
        }else{
            $result= array('result'=>false, 'age'=>$age);
        }

        $this->output->set_content_type('application/json');
        $this->output->set_output(json_encode($result));
    }

    public function saveToDatabase(){
        $name=json_decode($this->input->post('name'));
        $value=json_decode($this->input->post('value'));

        foreach($name as $index=>$n){
            $data[$n]=$value[$index];
        }

        $data['bhc_id']=trim($this->session->userdata('bhc_id'));

        $child_id=$this->BHW_model->saveToDatabase($data, 'child');

        if($child_id){
            $result=array('result'=>true, 'child_id'=>$child_id);
        }else{
            $result=array('result'=>false);
        }

        $this->output->set_content_type('application/json');
        $this->output->set_output(json_encode($result));
    }

    public function getAssessment(){
        $date=date("F", mktime(0, 0, 0, $this->input->post('month'), 10)." ". $this->input->post('year');

        $result=$this->childFunctions_model->classifyChild($this->input->post('child_id'), $this->input->post('sex'), $this->input->post('height'), $this->input->post('weight'), $this->input->post('age'), $date);
        if($result){
            $data=array('result'=>TRUE);
        }else{
            $data=array('result'=>FALSE);
        }

        $this->output->set_content_type('application/json');
        $this->output->set_output(json_encode($data));
    }
}
?>
```

```

// nutrimac/application/controller/BHW/addOPT.php
<?php if ( ! defined('BASEPATH')) exit('No direct script access allowed');

class addOPT extends CI_Controller {

    public function index() {
        $this->session->set_userdata('page', 'BHW');
        $this->session->unset_userdata('login');
        $this->load->model('BHW/addChild_model');
        $data['barangay']=$this->addChild_model->getBarangay();
        $this->session->set_userdata('barangayTemp', $data['barangay']);
        if($data['barangay']==null){
            $data['val']='No barangay has been assigned to you yet.';
            $data['main_content']='oops_view';
            $data['title']='Error';
            $this->load->view('template', $data);
            return;
        }
        $data['main_content']='BHW/addOPT_view';
        $data['title']='Add OPT Data';
        $this->load->view('template', $data);
    }

    public function editDate(){
        $this->load->view('BHW/OPTdate_view');
    }

    public function getChild(){
        $barangay_id = $this->input->post('barangay');
        $month=$this->input->post('month');
        $year=$this->input->post('year');
        $this->load->model('BHW/childFunctions_model');
        $this->load->model('BHW/addOPT_model');
        $result = $this->addOPT_model->getChild($barangay_id, $month.''.$year);

        if($result==null){
            $result['result']=false;
        }
        else
            $result['result']=true;

        $this->output->set_content_type('application/json');
        $this->output->set_output(json_encode($result));
    }

    public function addOPTChild() {
        $string=$this->input->post('data');
        $children=json_decode($string, true);
        unset($children['result']);
        $data['month']=$this->input->post('month');
        $data['year']=$this->input->post('year');
        $data['result']= $children;
        $this->load->view('BHW/addOPTchild_view', $data);
    }

    public function saveToDB(){
        $child=json_decode($this->input->post('children'), true);
        $monthstr=trim($this->input->post('month'));
        $year=trim($this->input->post('year'));
        $height=$this->input->post('height');
        $weight=$this->input->post('weight');

        $this->load->model('BHW/childFunctions_model');

        for($i=0; $i<count($height); $i++){
            $age=$this->childFunctions_model->getAge($child[$i]['bday'], $monthstr, $year);
            var_dump($child[$i]['bday'].'.'.$height[$i].'$weight[$i].'.$age);

            if($height[$i]!="" && $weight[$i]!="" && $age>=0){//save only if child has OPT data

```

```

    $re=$this->childFunctions_model->classifyChild($child[$i]['id'], $child[$i]['sex'], $height[$i],
    $weight[$i], $child[$i]['bdy'], $monthstr, $year);
    }//end if
}//end for

$this->output->set_content_type('application/json');
$this->output->set_output(json_encode(array('result'=>$re)));
}

}

?>

// nutrimac/application/controller/BHW/generateResults.php
<?php if ( ! defined('BASEPATH')) exit('No direct script access allowed');

class generateResults extends CI_Controller {
    function generateResults()
    {
        parent::__construct();
        $this->load->model('BHW/generateResults_model');
        $this->load->model('BHW/BHW_model');
    }

    public function getBarangay() {
        $b=$this->BHW_model->getBarangay();
        $this->output->set_content_type('application/json');
        $this->output->set_output(json_encode($b));
    }

    public function processBrgy(){
        $barangayList = json_decode($this->input->post('barangay'));
        $date = $this->input->post('date');

        $results=array();
        for($i=0; $i<count($barangayList[0]); $i++){
            $ellpop=floor($barangayList[1][$i]*0.162);
            $bName=$this->generateResults_model->getBarangayName($barangayList[0][$i]);
            $childpop=$this->generateResults_model->getChildPop($barangayList[0][$i], $date);

            if($childpop == 0){
                $results['no_data'][]=$bName;
                continue; //will not generate results
            }
            $successrate=round(($childpop/$ellpop)*100, 2);
            //save to database then return id.
            $maldateID=$this->generateResults_model->savemaldateToDB($barangayList[0][$i], $barangayList[1][$i],
            $ellpop, $childpop, $successrate, $date);

            if($this->generateResults_model->generateResults($barangayList[0][$i], $date, $maldateID)){
                $results['success'][]=$bName;
            }
            else{
                $results['fail'][]=$bName;
            }
        }

        $this->output->set_content_type('application/json');
        $this->output->set_output(json_encode($results));
    }
}

?>

// nutrimac/application/controller/BHW/viewBarangay.php
<?php if ( ! defined('BASEPATH')) exit('No direct script access allowed');

class viewBarangay extends CI_Controller {
    function viewBarangay()
    {
        parent::__construct();
        $this->load->model('BHW/BHW_model');
        $this->load->model('BHW/viewBarangay_model');
    }

    public function index() {

```

```

        $this->session->set_userdata('page', 'BHW');
        $this->session->unset_userdata('login');
        $data['barangay']=$this->BHW_model->getBarangay();
        $data['main_content']='BHW/viewBarangay_view';
        $data['title']='View Barangay Information';
        $this->load->view('template', $data);

    }

    public function getDateID(){
        $date=$this->input->post('date');
        $barangay=$this->input->post('barangay');
        $b=$this->viewBarangay_model->getDateID($date, $barangay);
        $this->output->set_content_type('application/json');
        $this->output->set_output(json_encode($b));
    }

    public function getBarangayInfo(){
        $date=$this->input->post('date');
        $barangay_id=$this->input->post('barangay');
        $b=$this->viewBarangay_model->getBarangayInfo($date, $barangay_id);
        $this->output->set_content_type('application/json');
        $this->output->set_output(json_encode($b));
    }

    public function getBarangay(){
        $date=$this->input->post('date');
        $barangay_id=$this->input->post('barangay');
        $b=$this->viewBarangay_model->getBarangayDetails($barangay_id, $date);
        $this->output->set_content_type('application/json');
        $this->output->set_output(json_encode($b));
    }

}

?>

// nutrimac/application/controller/BHW/viewChild.php
<?php if ( ! defined('BASEPATH')) exit('No direct script access allowed');

class viewChild extends CI_Controller {

    function viewChild()
    {
        parent::__construct();
        $this->load->model('BHW/BHW_model');
        $this->load->model('BHW/childFunctions_model');
        $this->load->model('BHW/viewChild_model');

    }

    public function index($child_id=NULL, $barangay_id=NULL) {

        $this->session->set_userdata('page', 'BHW');
        $this->session->unset_userdata('login');

        $data['barangay']=$this->BHW_model->getBarangay();
        if($child_id!=NULL && $barangay_id!=NULL){
            $data['child_id']=$child_id;
            $data['barangay_id']=$barangay_id;
        }

        $data['main_content']='BHW/viewChild_view';
        $data['title']='View Child Information';
        $this->load->view('template', $data);

    }

    public function getChild(){
        $barangay_id=$this->input->post('barangay');
        $result = $this->viewChild_model->getChild($barangay_id);
        if($result==null){
            $this->output->set_content_type('application/json');
            $this->output->set_output(json_encode(array(null)));
            return false;
        }

        $this->output->set_content_type('application/json');

    }

}

```

```

        $this->output->set_output(json_encode($result));
    }

    public function getChildAssessment(){
        $child_id=$this->input->post('child_id');
        $result = $this->viewChild_model->getChildAssessment($child_id);
        if($result==null){
            $this->output->set_content_type('application/json');
            $this->output->set_output(json_encode(array('result'=>null)));
            return;
        }
        $this->output->set_content_type('application/json');
        $this->output->set_output(json_encode($result));
    }

    public function getChildInfo()
    {
        $child_id=$this->input->post('child_id');
        $result = $this->viewChild_model->getChildInfo($child_id);
        if($result==null){
            $this->output->set_content_type('application/json');
            $this->output->set_output(json_encode(array('result'=>null)));
            return;
        }
        $temp=explode("-", $result['bdy']);
        $monthName = date("F", mktime(0, 0, 0, $temp[1], 10));

        if($result==null){
            $this->output->set_content_type('application/json');
            $this->output->set_output(json_encode($result));
            return false;
        }
        $this->session->set_userdata('bdy',$result['bdy']);
        $this->session->set_userdata('sex',$result['sex']);
        $result['age']=$this->childFunctions_model->getAge($result['bdy'],date('n'), date('Y'));
        $result['birthday']=$monthName." ".$temp[0];

        $this->output->set_content_type('application/json');
        $this->output->set_output(json_encode($result));
        return true;
    }

    public function editChild($child_id){
        $this->load->model('BHW/BHW_model');
        $data['barangay']=$this->BHW_model->getBarangay();
        $data['result']=$this->session->userdata('child_info');
        $data['main_content']='BHW/editChild_view';
        $data['title']='Edit Child Information';
        $this->load->view('BHW/editChild_view', $data);
        $this->child_id=$child_id;
    }

    public function saveInfo($deleteCA=false){
        $name=json_decode($this->input->post('name'));
        $value=json_decode($this->input->post('value'));
        $id=$this->input->post('child_id');

        foreach($name as $index=>$n){
            $data[$n]=$value[$index];
        }

        $data['bhc_id']=trim($this->session->userdata('bhc_id'));

        if($deleteCA){
            $this->viewChild_model->deleteAllCA($id);
        }

        $this->output->set_content_type('application/json');
        if($this->viewChild_model->saveInfo($id, $data)){
            $this->output->set_output(json_encode(array('result'=>true)));
        }
        else{
            $this->output->set_output(json_encode(array('result'=>false)));
        }
    }
}

```

```

        }

    public function deleteChild(){
        $child_id=$this->input->post('id');
        $this->load->model('BHW/viewChild_model');
        if($this->viewChild_model->deleteChild($child_id)){
            $result=array('result'=>true);
        }
        else{
            $result=array('result'=>false);
        }

        $this->output->set_content_type('application/json');
        $this->output->set_output(json_encode($result));
    }

}

public function deleteCA(){
    $id=$this->input->post('id');
    $this->load->model('BHW/viewChild_model');
    if($this->viewChild_model->deleteCA($id)){
        $result=array('result'=>true);
    }
    else{
        $result=array('result'=>false);
    }

    $this->output->set_content_type('application/json');
    $this->output->set_output(json_encode($result));
}

}

// nutrimac/application/controller/guest/login.php
<?php if ( ! defined('BASEPATH')) exit('No direct script access allowed');

class Login extends CI_Controller {

    public function index() {
        $this->load->view('guest/login_view');
    }

    /*verify user login*/
    public function verifyLogin(){
        $username = $this->input->post('username');
        $password = $this->input->post('password');
        $mode = $this->input->post('mode');

        $this->load->model('guest/login_model');

        if($mode=='admin'){
            $login=$this->login_model->loginAdmin($username, md5($password));
            if($login!=NULL) {
                $this->session->set_userdata("user", $username);
                $this->session->set_userdata("mode", $mode);
                $this->session->set_userdata("id",$login->id);
                $this->session->set_userdata("logged_in", TRUE);

                $this->output->set_content_type('application/json');
                $this->output->set_output(json_encode(array('result' => true)));
                return;
            }
            $this->output->set_content_type('application/json');
            $this->output->set_output(json_encode(array('result' => 'Incorrect username/password. Please try again!')));
        }
        return;
    }

    $login=$this->login_model->login($username, md5($password), $mode);
    if($login!=NULL) {

        if($login->status == '0'){
            $this->output->set_content_type('application/json');
            $this->output->set_output(json_encode(array('result' => 'Your application has not yet been verified. You will be notified via email.')));
        }
    }
}

```

```

                    return;
                }
                $this->session->set_userdata("user", $username);
                $this->session->set_userdata("mode", $mode);
                $this->session->set_userdata("logged_in", TRUE);
                $this->session->set_userdata("bhc_id", $login->bhc_id);
                $this->session->set_userdata("id", $login->id);

                $this->output->set_content_type('application/json');
                $this->output->set_output(json_encode(array('result' => true)));
                return;
            }

            else {
                $this->output->set_content_type('application/json');
                $this->output->set_output(json_encode(array('result' => 'Incorrect username/password. Please try again!'))));
                return;
            }
        }
    /*end verify login*/
}

// nutrimac/application/controller/changeUNPW.php
<?php if ( ! defined('BASEPATH')) exit('No direct script access allowed');

class changeUNPW extends CI_Controller {

    public function index() {

        $this->session->set_userdata('page', 'all');
        $data['main_content']='changeUNPW_view';
        $data['title']=Change Username/Password';
        $this->load->view('template', $data);
    }

    /*check if all fields are filled*/
    public function checkUsername() {
        $username=$this->input->post('username');
        $password=$this->input->post('password');
        $id = $this->session->userdata('id');

        if(!$this->form_validation->is_unique($username, 'users.username')){
            $this->output->set_content_type('application/json');
            $this->output->set_output(json_encode(array('result' => 'Username is already taken.')));
            return;
        }

        if(!$this->verifyPassword($password)){
            $this->output->set_content_type('application/json');
            $this->output->set_output(json_encode(array('result' => 'Incorrect password. Please try again!'))));
            return false;
        }

        //password matched! Save new username to database.
        if(!$this->saveToDatabase($username, 'username', $id)){
            $this->output->set_content_type('application/json');
            $this->output->set_output(json_encode(array('result' => 'Error saving to database.')));
            return false;
        }

        $this->session->set_userdata("user", $username);
        $this->output->set_content_type('application/json');
        $this->output->set_output(json_encode(array('result' => true, 'message'=>'Username changed successfully.')));
        return true;
    }

    public function checkPassword() {
        $id = $this->session->userdata('id');
        $oldpw=$this->input->post('oldpw');
        $newpw=$this->input->post('newpw');

        if(!$this->verifyPassword($oldpw)){
            $this->output->set_content_type('application/json');
            $this->output->set_output(json_encode(array('result' => 'Incorrect password. Please try again!'))));
            return false;
        }
    }
}

```

```

        }

        //password matched! Save new username to database.
        if(!$this->saveToDatabase(md5($newpw), 'password', $id)){
            $this->output->set_content_type('application/json');
            $this->output->set_output(json_encode(array('result' => 'Error saving to database.')));
            return false;
        }

        $this->output->set_content_type('application/json');
        $this->output->set_output(json_encode(array('result' => true, 'message'=>'Password changed successfully.')));
        return true;
    }

    /*end checking*/
}

public function verifyPassword($pw){
    $this->load->model('changeUNPW_model');
    $id = $this->session->userdata('id');
    $password=md5($pw);

    $result=$this->changeUNPW_model->verifyPassword($id, $password);
    if($result!=NULL) {
        return true;
    }
    return false;
}

public function saveToDatabase($value, $label, $id){
    $this->load->model('changeUNPW_model');
    if($this->changeUNPW_model->saveToDatabase($value, $label, $id)) {
        return true;
    }
    return true;
}

}

// nutrimac/application/controller/editProfile.php
<?php if ( ! defined('BASEPATH')) exit('No direct script access allowed');

class editProfile extends CI_Controller {

    public function getProfile()
    {
        $this->load->model('editProfile_model');
        $data=$this->editProfile_model->getBHWProfile();
        $this->output->set_content_type('application/json');
        $this->output->set_output(json_encode($data));
    }

    public function saveProfile(){
        $name = $this->input->post('name');
        $surname = $this->input->post('surname');
        $email = $this->input->post('email');
        $number= $this->input->post('contact');

        $this->load->model('editProfile_model');

        $result=$this->editProfile_model->saveToDatabase($name, $surname, $email, $number);
        $this->output->set_content_type('application/json');
        $this->output->set_output(json_encode(array("result"=>$result)));
    }

}

// nutrimac/application/controller/forgotPassword.php
<?php if ( ! defined('BASEPATH')) exit('No direct script access allowed');

class forgotPassword extends CI_Controller {

    function forgotPassword()
    {
        parent::__construct();
    }
}

```

```

        $this->load->model('forgotPassword_model');

    }

    public function index(){
        $this->session->set_userdata('page', 'guest');
        $data['main_content']='forgotPassword_view';
        $data['title']='Forgot Password';
        $this->load->view('forgotPassword_view');

    }

    public function sendMail(){
        /*
         * check if email exists
         */
        $mail=$this->input->post('email');

        if(!$this->forgotPassword_model->checkEmail($mail)){
            $this->output->set_content_type('application/json');
            $this->output->set_output(json_encode(array('result' => 'E-mail does not exist!')));
            return;
        }

        $rand= substr(md5(rand()), 0, 10);

        $a=$this->forgotPassword_model->updatePW($rand, $mail);
        if(!$a){
            $this->output->set_content_type('application/json');
            $this->output->set_output(json_encode(array('result' => 'Error. Please try again later.')));
            return;
        }

        /*
         * send email
         */

        $this->email->set_newline("\r\n");
        $this->email->from('nutrimacPH@gmail.com', 'MobiQuick PH');
        $this->email->to($mail);
        $this->email->subject('MobiQuick PH account');
        $this->email->message(
            '<br>Hello! The password for your MobiQuick PH account has been reset.<br>
            Your temporary password is: '.$rand.'
            <br>You may now continue using your account. Thank you.
            <br><br>MobiQuick PH Team');
        $this->email->send();

        $this->output->set_content_type('application/json');
        $this->output->set_output(json_encode(array('result' => 'We have sent you an e-mail
containing your new password. You can change it upon logging in. Thank you.', 'close'=> true)));
        return;
    }

}

?>

// nutrimac/application/controller/home.php
<?php if ( ! defined('BASEPATH')) exit('No direct script access allowed');

class Home extends CI_Controller {

    function Home()
    {
        parent::__construct();
        $this->load->model('home_model');
    }

    public function index()
    {
        if(!$this->session->userdata('logged_in')){
            $this->session->set_userdata('mode', 'guest');
            $this->session->set_userdata('user', 'guest');
        }
        $data['main_content']='home_view';
    }

}

```

```

        $data['title']='Home';
        $data['dates']=$this->home_model->getDates();
        $this->load->view('template', $data);

    }

public function getProvinces(){
    $date=$this->input->post('dates');
    if(!$date){
        return null;
    }
    $provinces= $this->home_model->getProvinces($date);
    $this->output->set_content_type('application/json');
    $this->output->set_output(json_encode($provinces));
}

public function getMunicipalities(){
    $date=$this->input->post('date');
    $province= $this->input->post('province');
    $mun=$this->home_model->getMunicipalities($date, $province);
    $this->output->set_content_type('application/json');
    $this->output->set_output(json_encode($mun));
}

public function getBoundaries($id){
    $b=$this->home_model->getBoundaries($id); //manila
    $this->output->set_content_type('application/json');
    $this->output->set_output(json_encode($b));
}

public function getRegion($name){

    $b=$this->home_model->getRegion($name);
    $this->output->set_content_type('application/json');
    $this->output->set_output(json_encode($b));
}

public function getMalPrev($id){

    $b=$this->home_model->getMalPrev($id); //manila
    $this->output->set_content_type('application/json');
    $this->output->set_output(json_encode($b));
}

}

// nutrimac/application/libraries/MY_session.php
<?php if ( ! defined('BASEPATH')) exit('No direct script access allowed');

class MY_Session extends CI_Session
{
    /**
     * Update an existing session
     *
     * @access  public
     * @return  void
     */
    function sess_update()
    {
        // skip the session update if this is an AJAX call!
        if ( ! IIS_AJAX )
        {
            parent::sess_update();
        }
    }
}

/* End of file MY_Session.php */

// nutrimac/application/libraries/Template.php
<?php defined('BASEPATH') OR exit('No direct script access allowed');

/**
 * Codeigniter Template Class
 *
 * Build your Codeigniter pages much easier with partials, breadcrumbs, layouts and themes

```

```

/*
 * @package           CodeIgniter
 * @subpackage
 * @category
 * @author            Philip Sturgeon
 * @license           http://philsturgeon.co.uk/code/dbad-license
 * @link              http://getsparks.org/packages/template/show
 */
class Template
{
    private $_module = "";
    private $_controller = "";
    private $_method = "";

    private $_theme = NULL;
    private $_theme_path = NULL;
    private $_layout = FALSE; // By default, dont wrap the view with anything
    private $_layout_subdir = ""; // Layouts and partials will exist in views/layouts
    // but can be set to views/foo/layouts with a subdirectory

    private $_title = "";
    private $_metadata = array();

    private $_partials = array();

    private $_breadcrumbs = array();

    private $_title_separator = ' | ';

    private $_parser_enabled = TRUE;
    private $_parser_body_enabled = TRUE;

    private $_theme_locations = array();

    private $_is_mobile = FALSE;

    // Minutes that cache will be alive for
    private $cache_lifetime = 0;

    private $_ci;

    private $_data = array();

    /**
     * Constructor - Sets Preferences
     *
     * The constructor can be passed an array of config values
     */
    function __construct($config = array())
    {
        $this->_ci =& get_instance();

        if ( ! empty($config))
        {
            $this->initialize($config);
        }

        log_message('debug', 'Template class Initialized');
    }

    // -----
    /**
     * Initialize preferences
     *
     * @access public
     * @param array
     * @return void
     */
    function initialize($config = array())
    {
        foreach ($config as $key => $val)
        {
            if ($key == 'theme' AND $val != "")
            {
                $this->set_theme($val);
                continue;
            }

            $this->{$_.$key} = $val;
        }
    }
}

```

```

// No locations set in config?
if ($this->_theme_locations === array())
{
    // Let's use this obvious default
    $this->_theme_locations = array(APPPATH . 'themes/');
}

// Theme was set
if ($this->_theme)
{
    $this->set_theme($this->_theme);
}

// If the parse is going to be used, best make sure it's loaded
if ($this->_parser_enabled === TRUE)
{
    class_exists('CI_Parser') OR $this->_ci->load->library('parser');
}

// Modular Separation / Modular Extensions has been detected
if (method_exists( $this->_ci->router, 'fetch_module' ))
{
    $this->_module      = $this->_ci->router->fetch_module();
}

// What controllers or methods are in use
$this->_controller      = $this->_ci->router->fetch_class();
$this->_method            = $this->_ci->router->fetch_method();

// Load user agent library if not loaded
class_exists('CI_User_agent') OR $this->_ci->load->library('user_agent');

// We'll want to know this later
$this->_is_mobile        = $this->_ci->agent->is_mobile();
}

// -----
/** 
 * Magic Get function to get data
 *
 * @access public
 * @param string
 * @return mixed
 */
public function __get($name)
{
    return isset($this->_data[$name]) ? $this->_data[$name] : NULL;
}

// -----
/** 
 * Magic Set function to set data
 *
 * @access public
 * @param string
 * @return mixed
 */
public function __set($name, $value)
{
    $this->_data[$name] = $value;
}

// -----
/** 
 * Set data using a chainable metod. Provide two strings or an array of data.
 *
 * @access public
 * @param string
 * @return mixed
 */
public function set($name, $value = NULL)
{
    // Lots of things! Set them all
    if (is_array($name) OR is_object($name))
    {
        foreach ($name as $item => $value)
        {

```

```

        $this->_data[$item] = $value;
    }
}

// Just one thing, set that
else
{
    $this->_data[$name] = $value;
}

return $this;
}

// -----
/***
 * Build the entire HTML output combining partials, layouts and views.
 *
 * @access public
 * @param string
 * @return void
 */
public function build($view, $data = array(), $return = FALSE)
{
    // Set whatever values are given. These will be available to all view files
    is_array($data) OR $data = (array) $data;

    // Merge in what we already have with the specific data
    $this->_data = array_merge($this->_data, $data);

    // We don't need you any more buddy
    unset($data);

    if (empty($this->_title))
    {
        $this->_title = $this->_guess_title();
    }

    // Output template variables to the template
    $template['title'] = $this->_title;
    $template['breadcrumbs'] = $this->_breadcrumbs;
    $template['metadata'] = implode("\n\t\t", $this->_metadata);
    $template['partials'] = array();

    // Assign by reference, as all loaded views will need access to partials
    $this->_data['template'] =& $template;

    foreach ($this->_partials as $name => $partial)
    {
        // We can only work with data arrays
        is_array($partial['data']) OR $partial['data'] = (array) $partial['data'];

        // If it uses a view, load it
        if (isset($partial['view']))
        {
            $template['partials'][$name] = $this->_find_view($partial['view'], $partial['data']);
        }

        // Otherwise the partial must be a string
        else
        {
            if ($this->_parser_enabled === TRUE)
            {
                $partial['string'] = $this->_ci->parser->parse_string($partial['string'], $this->_data
+ $partial['data'], TRUE, TRUE);
            }

            $template['partials'][$name] = $partial['string'];
        }
    }

    // Disable sodding IE7's constant cacheing!!
    $this->_ci->output->set_header('Expires: Sat, 01 Jan 2000 00:00:01 GMT');
    $this->_ci->output->set_header('Cache-Control: no-store, no-cache, must-revalidate');
    $this->_ci->output->set_header('Cache-Control: post-check=0, pre-check=0, max-age=0');
    $this->_ci->output->set_header('Last-Modified: ' . gmdate('D, d M Y H:i:s') . ' GMT');
    $this->_ci->output->set_header('Pragma: no-cache');

    // Let CI do the caching instead of the browser
    $this->_ci->output->cache($this->cache_lifetime);
}

```

```

// Test to see if this file
$this->_body = $this->_find_view($view, array(), $this->_parser_body_enabled);

// Want this file wrapped with a layout file?
if ($this->_layout)
{
    // Added to $this->_data['template'] by reference
    $template['body'] = $this->_body;

    // Find the main body and 3rd param means parse if its a theme view (only if parser is enabled)
    $this->_body = self::__load_view('layouts/'.$this->_layout, $this->_data, TRUE, self::__find_view_folder());
}

// Want it returned or output to browser?
if ( ! $return)
{
    $this->_ci->output->set_output($this->_body);
}

return $this->_body;
}

/**
 * Set the title of the page
 *
 * @access public
 * @param string
 * @return void
 */
public function title()
{
    // If we have some segments passed
    if ($title_segments =& func_get_args())
    {
        $this->_title = implode($this->_title_separator, $title_segments);
    }

    return $this;
}

/**
 * Put extra javascript, css, meta tags, etc before all other head data
 *
 * @access public
 * @param string      $line      The line being added to head
 * @return void
 */
public function prepend_metadata($line)
{
    array_unshift($this->_metadata, $line);
    return $this;
}

/**
 * Put extra javascript, css, meta tags, etc after other head data
 *
 * @access public
 * @param string      $line      The line being added to head
 * @return void
 */
public function append_metadata($line)
{
    $this->_metadata[] = $line;
    return $this;
}

/**
 * Set metadata for output later
 *
 * @access public
 * @param string      $name      keywords, description, etc
 * @param string      $content   The content of meta data
 * @param string      $type      Meta-data comes in a few types, links for example
 * @return void
 */
public function set_metadata($name, $content, $type = 'meta')
{
    $name = htmlspecialchars(strip_tags($name));
}

```

```

$content = htmlspecialchars(strip_tags($content));

// Keywords with no comments? ARG! comment them
if ($name == 'keywords' AND !strpos($content, ',')) {
    $content = preg_replace('/(\s+)/, ', trim($content));
}

switch($type)
{
    case 'meta':
        $this->_metadata[$name] = '<meta name="'. $name .'" content="'. $content .'" />';
        break;

    case 'link':
        $this->_metadata[$content] = '<link rel="'. $name .'" href="'. $content .'" />';
        break;
}

return $this;
}

/**
 * Which theme are we using here?
 *
 * @access public
 * @param string      $theme      Set a theme for the template library to use
 * @return void
 */
public function set_theme($theme = NULL)
{
    $this->_theme = $theme;
    foreach ($this->_theme_locations as $location)
    {
        if ($this->_theme AND file_exists($location.$this->_theme))
        {
            $this->_theme_path = rtrim($location.$this->_theme '/');
            break;
        }
    }

    return $this;
}

/**
 * Get the current theme path
 *
 * @access public
 * @return string The current theme path
 */
public function get_theme_path()
{
    return $this->_theme_path;
}

/**
 * Which theme layout should we using here?
 *
 * @access public
 * @param string      $view
 * @return void
 */
public function set_layout($view, $_layout_subdir = "")
{
    $this->_layout = $view;
    $_layout_subdir AND $this->_layout_subdir = $_layout_subdir;

    return $this;
}

/**
 * Set a view partial
 *
 * @access public
 * @param string
 * @param string
 * @param boolean
 * @return void
 */

```

```

*/
public function set_partial($name, $view, $data = array())
{
    $this->_partials[$name] = array('view' => $view, 'data' => $data);
    return $this;
}

/**
 * Set a view partial
 *
 * @access public
 * @param string
 * @param string
 * @param boolean
 * @return void
 */
public function inject_partial($name, $string, $data = array())
{
    $this->_partials[$name] = array('string' => $string, 'data' => $data);
    return $this;
}

/**
 * Helps build custom breadcrumb trails
 *
 * @access public
 * @param string      $name           What will appear as the link text
 * @param string      $url_ref       The URL segment
 * @return void
 */
public function setBreadcrumb($name, $uri = '')
{
    $this->_breadcrumbs[] = array('name' => $name, 'uri' => $uri );
    return $this;
}

/**
 * Set a the cache lifetime
 *
 * @access public
 * @param string
 * @param string
 * @param boolean
 * @return void
 */
public function setCache($minutes = 0)
{
    $this->cache_lifetime = $minutes;
    return $this;
}

/**
 * enable_parser
 * Should be parser be used or the view files just loaded normally?
 *
 * @access public
 * @param string      $view
 * @return void
 */
public function enable_parser($bool)
{
    $this->parser_enabled = $bool;
    return $this;
}

/**
 * enable_parser_body
 * Should be parser be used or the body view files just loaded normally?
 *
 * @access public
 * @param string      $view
 * @return void
 */
public function enable_parser_body($bool)
{
    $this->parser_body_enabled = $bool;
    return $this;
}

```

```

/**
 * theme_locations
 * List the locations where themes may be stored
 *
 * @access public
 * @param string      $view
 * @return array
 */
public function theme_locations()
{
    return $this->_theme_locations;
}

/**
 * add_theme_location
 * Set another location for themes to be looked in
 *
 * @access public
 * @param string      $view
 * @return array
 */
public function add_theme_location($location)
{
    $this->_theme_locations[] = $location;
}

/**
 * theme_exists
 * Check if a theme exists
 *
 * @access public
 * @param string      $view
 * @return array
 */
public function theme_exists($theme = NULL)
{
    $theme OR $theme = $this->_theme;

    foreach ($this->_theme_locations as $location)
    {
        if (is_dir($location,$theme))
        {
            return TRUE;
        }
    }

    return FALSE;
}

/**
 * get_layouts
 * Get all current layouts (if using a theme you'll get a list of theme layouts)
 *
 * @access public
 * @param string      $view
 * @return array
 */
public function get_layouts()
{
    $layouts = array();

    foreach(glob(self::_find_view_folder().'layouts/*.*') as $layout)
    {
        $layouts[] = pathinfo($layout, PATHINFO_BASENAME);
    }

    return $layouts;
}

/**
 * get_layouts
 * Get all current layouts (if using a theme you'll get a list of theme layouts)
 *
 * @access public
 * @param string      $view
 * @return array
 */
public function get_theme_layouts($theme = NULL)
{
    $theme OR $theme = $this->_theme;
}

```

```

$layouts = array();

foreach ($this->_theme_locations as $location)
{
    // Get special web layouts
    if( is_dir($location.$theme.'/views/web/layouts/' ) )
    {
        foreach(glob($location.$theme . '/views/web/layouts/*.*') as $layout)
        {
            $layouts[] = pathinfo($layout, PATHINFO_BASENAME);
        }
        break;
    }

    // So there are no web layouts, assume all layouts are web layouts
    if(is_dir($location.$theme. './views/layouts/'))
    {
        foreach(glob($location.$theme . '/views/layouts/*.*') as $layout)
        {
            $layouts[] = pathinfo($layout, PATHINFO_BASENAME);
        }
        break;
    }
}

return $layouts;
}

/**
 * layout_exists
 * Check if a theme layout exists
 *
 * @access public
 * @param string      $view
 * @return array
 */
public function layout_exists($layout)
{
    // If there is a theme, check it exists in there
    if ( ! empty($this->_theme) AND in_array($layout, self::get_theme_layouts()) )
    {
        return TRUE;
    }

    // Otherwise look in the normal places
    return file_exists(self::_find_view_folder().'layouts/' . $layout . self::_ext($layout));
}

// find layout files, they could be mobile or web
private function _find_view_folder()
{
    if ($this->_ci->load->get_var('template_views'))
    {
        return $this->_ci->load->get_var('template_views');
    }

    // Base view folder
    $view_folder = APPPATH.'views/';

    // Using a theme? Put the theme path in before the view folder
    if ( ! empty($this->_theme))
    {
        $view_folder = $this->_theme_path.'views/';
    }

    // Would they like the mobile version?
    if ($this->_is_mobile === TRUE AND is_dir($view_folder.'mobile/'))
    {
        // Use mobile as the base location for views
        $view_folder .= 'mobile/';
    }

    // Use the web version
    else if (is_dir($view_folder.'web/'))
    {
        $view_folder .= 'web/';
    }

    // Things like views/admin/web/view admin = subdir
    if ($this->_layout_subdir)

```

```

{
    $view_folder .= $this->_layout_subdir '/';
}

// If using themes store this for later, available to all views
$this->_ci->load->vars('template_views', $view_folder);

return $view_folder;
}

// A module view file can be overridden in a theme
private function _find_view($view, array $data, $parse_view = TRUE)
{
    // Only bother looking in themes if there is a theme
    if ( ! empty($this->_theme) )
    {
        foreach ($this->_theme_locations as $location)
        {
            $theme_views = array(
                $this->_theme . '/views/modules/' . $this->_module . '/' . $view,
                $this->_theme . '/views/' . $view
            );

            foreach ($theme_views as $theme_view)
            {
                if (file_exists($location . $theme_view . self::_ext($theme_view)))
                {
                    return self::_load_view($theme_view, $this->_data + $data,
$parse_view, $location);
                }
            }
        }
    }

    // Not found it yet? Just load, its either in the module or root view
    return self::_load_view($view, $this->_data + $data, $parse_view);
}

private function _load_view($view, array $data, $parse_view = TRUE, $override_view_path = NULL)
{
    // Severe hackery to load views from custom places AND maintain compatibility with Modular Extensions
    if ($override_view_path != NULL)
    {
        if ($this->_parser_enabled === TRUE AND $parse_view === TRUE)
        {
            // Load content and pass through the parser
            $content = $this->_ci->parser->parse_string($this->_ci->load->file(
                $override_view_path.$view.self::_ext($view),
                TRUE
            ), $data);
        }
        else
        {
            $this->_ci->load->vars($data);

            // Load it directly, bypassing $this->load->view() as ME resets _ci_view
            $content = $this->_ci->load->file(
                $override_view_path.$view.self::_ext($view),
                TRUE
            );
        }
    }

    // Can just run as usual
    else
    {
        // Grab the content of the view (parsed or loaded)
        $content = ($this->_parser_enabled === TRUE AND $parse_view === TRUE)

        // Parse that bad boy
        ? $this->_ci->parser->parse($view, $data, TRUE)

        // None of that fancy stuff for me!
        : $this->_ci->load->view($view, $data, TRUE);
    }

    return $content;
}

private function _guess_title()

```

```

{
    $this->_ci->load->helper('inflector');

    // Obviously no title, lets get making one
    $title_parts = array();

    // If the method is something other than index, use that
    if ($this->_method != 'index')
    {
        $title_parts[] = $this->_method;
    }

    // Make sure controller name is not the same as the method name
    if ( ! in_array($this->_controller, $title_parts))
    {
        $title_parts[] = $this->_controller;
    }

    // Is there a module? Make sure it is not named the same as the method or controller
    if ( ! empty($this->_module) AND ! in_array($this->_module, $title_parts))
    {
        $title_parts[] = $this->_module;
    }

    // Glue the title pieces together using the title separator setting
    $title = humanize(implode($this->_title_separator, $title_parts));

    return $title;
}

private function _ext($file)
{
    return pathinfo($file, PATHINFO_EXTENSION) ? '.php';
}
}

// END Template class

//models/admin/bhcadminrequests_model.php
<?php

class BHCadminRequests_model extends CI_Model {

    public function getRequests(){
        $sql = $this->db->query("DELETE from bhc WHERE status=0");
        $sql = $this->db->query("SELECT users.id as id, username, users.name as name, bhc.name as
bhcname, users.surname as surname, municipality.name as municipality, province.name as province
FROM users, bhc, municipality, province
WHERE MODE = 'BHCadmin'
AND users.status =0
AND users.bhc_id = bhc.id
AND bhc.municipality_id = municipality.id
AND municipality.province_id = province.id");

        if ($sql->num_rows() == 0){
            return null;
        }

        $i=0;
        foreach ($sql->result() as $row){
            $results[$i]['id']=$row->id;
            $results[$i]['name']=$row->name;
            $results[$i]['surname']=$row->surname;
            $results[$i]['username']=$row->username;
            $results[$i]['municipality']=$row->municipality;
            $results[$i]['province']=$row->province;
            $results[$i]['bhcname']=$row->bhcname;
            $i++;
        }
        return $results;
    }

    public function approve($id){
        $data=array('status'=>1);
        $this->db->where('id', $id);
        $this->db->update('users', $data);
    }

    public function reject($id){
        $this->db->where('id', $id);
        $this->db->delete('users');
    }
}

```

```

        }

    public function getUserData($id){
        $query = "SELECT * FROM users WHERE id='$id'";
        $sql = $this->db->query($query);
        return $sql->row();
    }

}

?>

//models/admin/changeunpw_model.php
<?php

class changeUNPW_model extends CI_Model {

    public function verifyPassword($id, $password){
        $sql = $this->db->query("SELECT * FROM admin WHERE id='$id' AND password='$password'");
        $row=$sql->row();

        return $row;
    }

    public function saveToDatabase($value, $label, $id){
        $data = array($label => $value);

        $this->db->where('id', $id);
        $result=$this->db->update('admin', $data);

        return $result;
    }
}
?>

//models/admin/generateoptresults_model.php
<?php

class generateOPTResults_model extends CI_Model {

    public function generateResults($municipality_id, $date){

        $dataArray=$this->getPop($municipality_id, $date);

        $maldateID=$this->savemaldateToDB($municipality_id, $date, $dataArray);

        for($i=1; $i<=13; $i++){
            $data=$this->getCount($date, $municipality_id, $i, $dataArray['child_pop']);
            //at this point, stats have already been counted, ready for saving
            $this->saveToDB($maldateID, $date, $data, $i);
       }//end outer for

    }//end generateResults

    public function savemaldateToDB($municipality_id, $date, $dataArray){
        $dataArray=array(
            'municipality_id'=>$municipality_id,
            'est_pop'=>$dataArray['est_pop'],
            'eligible_pop'=>$dataArray['eligible_pop'],
            'child_pop'=>$dataArray['child_pop'],
            'success_rate'=>$dataArray['success_rate'],
            'date'=>$date
        );

        $query = $this->db->query("Select municipality_maldate.id from municipality_maldate WHERE
municipality_id='$municipality_id' AND date='$date'");
        if($query->num_rows()==0){
            $result=$this->db->insert('municipality_maldate', $dataArray);
            if($result){
                return $this->db->insert_id();
            }
        }
        else{
            $ret = $query->row();
            $this->db->where('municipality_id', $municipality_id);
            $this->db->where('date', $date);
        }
    }
}

```

```

        $this->db->update('municipality_maldate', $dataArray);
        return $ret->id;
    }
}//end savemaldateToDB

public function getCount($date, $municipality_id, $malnutrition_id, $child_pop){
    $query = "SELECT * from bhc_malnutrition, bhc_maldate, bhc WHERE
bhc.id=bhc_maldate.bhc_id AND bhc_maldate.id=bhc_malnutrition.maldate_id
AND malnutrition_id='$malnutrition_id' AND municipality_id='$municipality_id' AND
date='$date'";
    $sql = $this->db->query($query);

    $data=array(array(0,0,0,0,0,0), array(0,0,0,0,0,0), 'total'=>0, 'prev'=>0);
    foreach ($sql->result() as $row){
        $data[0][0]+=$row->b1;
        $data[1][0]+=$row->g1;
        $data[0][1]+=$row->b2;
        $data[1][1]+=$row->g2;
        $data[0][2]+=$row->b3;
        $data[1][2]+=$row->g3;
        $data[0][3]+=$row->b4;
        $data[1][3]+=$row->g4;
        $data[0][4]+=$row->b5;
        $data[1][4]+=$row->g5;
        $data[0][5]+=$row->b6;
        $data[1][5]+=$row->g6;
        $data[0][6]+=$row->b7;
        $data[1][6]+=$row->g7;
    }
}//end foreach

//get total number per malnutrition
for($i=0; $i<2; $i++){
    for($j=0; $j<7; $j++){
        $data['total']+=$data[$i][$j];
    }
}

//get prevalence
if($child_pop==0){
    $data['prev']=0;
}
else{
    $data['prev']=round(($data['total']/$child_pop)*100, 2);
}

return $data;
}//end getCount

public function getMunicipalities($date){
    $query = "SELECT municipality_id FROM bhc, bhc_maldate WHERE date='$date' AND bhc.id=bhc_id";
    $sql = $this->db->query($query);
    if($sql->num_rows()==0){
        return null;
    }
    foreach($sql->result() as $row){
        $municipality_id[]=$row->municipality_id;
    }
    return $municipality_id;
}

public function getPop($municipality_id, $date){
    $query = "SELECT * FROM bhc_maldate,bhc WHERE bhc.id=bhc_maldate.bhc_id AND
date='$date' AND municipality_id='$municipality_id'";
    $sql = $this->db->query($query);

    $data=array('est_pop'=>0,'eligible_pop'=>0,'child_pop'=>0,'success_rate'=>0);
    foreach($sql->result() as $row){
        $data['est_pop']+=$row->est_pop;
        $data['eligible_pop']+=$row->eligible_pop;
        $data['child_pop']+=$row->child_pop;
        $data['success_rate']+=$row->success_rate;
    }
    return $data;
}//end getPop

```

```

public function saveToDB($maldate_id, $date, $data, $i){
    $dataArray= array(
        'malDate_id'=>$maldate_id,
        'malnutrition_id' => $i,
        'b1'=> $data[0][0],
        'g1'=> $data[1][0],
        'b2'=> $data[0][1],
        'g2'=> $data[1][1],
        'b3'=> $data[0][2],
        'g3'=> $data[1][2],
        'b4'=> $data[0][3],
        'g4'=> $data[1][3],
        'b5'=> $data[0][4],
        'g5'=> $data[1][4],
        'b6'=> $data[0][5],
        'g6'=> $data[1][5],
        'b7'=> $data[0][6],
        'g7'=> $data[1][6],
        'total'=>$data['total'],
        'prev'=>$data['prev']
    );
    $query = $this->db->query("Select * from municipality_malnutrition WHERE
malDate_id='$maldate_id' AND malnutrition_id='$i'");
    if($query->num_rows()==0){
        $result=$this->db->insert('municipality_malnutrition',$dataArray);
        if($result){
            return true;
        }
    } else{
        $this->db->where('maldate_id', $maldate_id);
        $this->db->where('malnutrition_id', $i);
        $this->db->update('municipality_malnutrition', $dataArray);
        return true;
    }
    return false;
}//end saveToDB

}//end class

?>

//models/admin/viewoptresults_model.php
<?php

class viewOPTResults_model extends CI_Model {

    public function getMunID(){
        $d=$this->input->post('month')." ".$this->input->post('year');
        $sql = $this->db->query("SELECT municipality_id, province_id, municipality_maldate.id FROM
municipality_maldate, municipality WHERE date='".$d.' AND municipality_id=municipality.id';
        if ($sql->num_rows() == 0){
            return array('id'=>null, 'municipality_id'=>null, 'province_id'=>null);
        }
        $row=$sql->row();
        return array('id'=>$row->id, 'municipality_id'=>$row->municipality_id, 'province_id'=>$row->province_id);
    }

    public function getDates($municipality_id){

        $sql = $this->db->query("SELECT date as bm_date,id FROM municipality_maldate WHERE
municipality_id='".$municipality_id' ORDER BY STR_TO_DATE(bm_date, '%M %Y') DESC");

        if ($sql->num_rows() == 0){
            return null;
        }
        foreach ($sql->result() as $row){
            $results['dates'][]=$row->bm_date;
            $results['id'][]=$row->id;
        }
        return $results;
    }//end getDates

    public function getDateName($date_id){
        $sql = $this->db->query("SELECT date as bm_date FROM municipality_maldate where id='".$date_id"");
        $row=$sql->row();
        return $row->bm_date;
    }
}

```

```

public function getInfo($municipality_id){
    $sql = $this->db->query("SELECT municipality.name as munName, province.name as provName FROM
municipality, province WHERE province.id=municipality.province_id AND municipality.id='{$municipality_id}'");
    return $sql->row();
}

public function getBHCs($municipality_id,$date){
    $sql = $this->db->query("SELECT bhc.name, barangay.id, barangay.est_pop, barangay.elligible_pop,
barangay_malnutrition.pop
FROM barangay, barangay_malnutrition WHERE barangay.bhc_id='{$bhc_id}'
AND barangay_malnutrition.barangay_id=barangay.id AND date='{$date}'
AND malnutrition_id='1'");

    if ($sql->num_rows() == 0){
        return null;
    }
    foreach ($sql->result() as $row){
        $results['name'][]=$row->name;
        $results['id'][]=$row->id;
        $results['pop'][]=$row->pop;
        $results['elligible_pop'][]=$row->elligible_pop;
        $results['est_pop'][]=$row->est_pop;
    }
    return $results;
}//end getBHCs
///////////////
public function getBHCPerIndex($date, $i, $municipality_id){

    $sql = $this->db->query("SELECT *
FROM bhc, bhc_maldate, bhc_malnutrition WHERE
bhc.municipality_id='{$municipality_id}'
AND bhc_maldate.bhc_id=bhc.id AND
bhc_malnutrition.maldate_id=bhc_maldate.id AND date='{$date}'
AND malnutrition_id='{$i}'");

    if ($sql->num_rows() == 0){
        return null;
    }

    $i=0;
    foreach ($sql->result() as $row){
        $results[$i][1]=$row->b1;
        $results[$i][2]=$row->g1;
        $results[$i][3]=$row->b2;
        $results[$i][4]=$row->g2;
        $results[$i][5]=$row->b3;
        $results[$i][6]=$row->g3;
        $results[$i][7]=$row->b4;
        $results[$i][8]=$row->g4;
        $results[$i][9]=$row->b5;
        $results[$i][10]=$row->g5;
        $results[$i][11]=$row->b6;
        $results[$i][12]=$row->g6;
        $results[$i][13]=$row->b7;
        $results[$i][14]=$row->g7;
        $results[$i]['name']=$row->name;
        $results[$i]['child_pop']=$row->child_pop;
        $results[$i]['elligible_pop']=$row->elligible_pop;
        $results[$i]['est_pop']=$row->est_pop;
        $results[$i]['success_rate']=$row->success_rate; //success rate wrt elligible pop

        $i++;
    }
    return $results;
}

public function getOPTdetails($municipality_id, $date){
    $sql = $this->db->query("SELECT *, date as bm_date FROM municipality,municipality_maldate WHERE
municipality_maldate.municipality_id='{$municipality_id}' AND municipality.id=municipality_maldate.municipality_id AND
municipality_maldate.id='{$date}'");

    $row= $sql->row();
    $data['name']=$row->name;
    $data['date']=$row->bm_date;
    $data['est_pop']=$row->est_pop;
}

```

```

        $data['eligible_pop']=$row->eligible_pop;
        $data['success_rate']=$row->success_rate;
        $data['child_pop']=$row->child_pop;
        return $data;
    }

    public function deleteResult($id){
        $this->db->delete('municipality_maldate', array('id' => $id));
    }

    public function getMuninfo($date, $municipality_id){
        $sql = $this->db->query("SELECT * , prev as pr FROM municipality_malnutrition WHERE malnutrition_id='$date' order by malnutrition_id ASC");

        if ($sql->num_rows() == 0){
            return null;
        }

        foreach ($sql->result() as $row){
            $results[$row->malnutrition_id][1]=$row->b1;
            $results[$row->malnutrition_id][2]=$row->g1;
            $results[$row->malnutrition_id][3]=$row->b2;
            $results[$row->malnutrition_id][4]=$row->g2;
            $results[$row->malnutrition_id][5]=$row->b3;
            $results[$row->malnutrition_id][6]=$row->g3;
            $results[$row->malnutrition_id][7]=$row->b4;
            $results[$row->malnutrition_id][8]=$row->g4;
            $results[$row->malnutrition_id][9]=$row->b5;
            $results[$row->malnutrition_id][10]=$row->g5;
            $results[$row->malnutrition_id][11]=$row->b6;
            $results[$row->malnutrition_id][12]=$row->g6;
            $results[$row->malnutrition_id][13]=$row->b7;
            $results[$row->malnutrition_id][14]=$row->g7;
            $results[$row->malnutrition_id]['total']=$row->total;
            $results[$row->malnutrition_id]['prev']=$row->pr;
        }
        //end for
        return $results;
    }

}

?>

//models/BHCadmin/bhcadmin_model.php
<?php

class BHCadmin_model extends CI_Model {

    public function getBHW(){
        $bhc_id=$this->session->userdata('bhc_id');
        $sql = $this->db->query("SELECT id, username, status FROM users WHERE bhc_id='$bhc_id' and status=1 and mode='BHW'");
        if($sql->num_rows()==0){
            return array('username'=>null);
        }
        foreach ($sql->result() as $row){
            $data['username'][]=$row->username;
            $data['id'][]=$row->id;
        }
        return $data;
    }

    public function isUniqueInBHC($bhc_id, $name){
        $query = $this->db->query("Select * FROM barangay WHERE bhc_id='$bhc_id' AND name='$name'");

        //check if barangay already exists
        if ($query->num_rows() > 0){
            return array('result'=>false); //barangay exists, return false
        }
        return array('result'=>true);
    }

    public function saveToDatabase($data, $table){
        $this->db->insert($table,$data);
        return $this->db->insert_id();
    }

}

?>

//models/BHCadmin/edit_model.php

```

```

<?php

class editBarangay_model extends CI_Model {

public function getBarangay(){
    $bhc_id=$this->session->userdata('bhc_id');

    $sql = $this->db->query("SELECT id, name FROM barangay WHERE bhc_id='".$bhc_id "'");
    if ($sql->num_rows() > 0){
        foreach ($sql->result() as $row){
            $data['name'][]=$row->name;
            $data['id'][]=$row->id;
        }
        return $data;
    }
    return null; //return null if no barangay found
}

public function getBarangayInfo($barangay_id){
    $query = $this->db->query("Select * from barangay WHERE id='".$barangay_id "'");
    return $query->row();
}

public function saveBarangayInfo($id, $dataArray){
    $this->db->where('id', $id);
    return $this->db->update('barangay', $dataArray);
}

}

?>

//models/BHCadmin/generatebhcresults_model.php
<?php

class generateBHCResults_model extends CI_Model {

    public function generateResults($bhc_id, $date){

        $dataArray=$this->getBHCpop($bhc_id, $date);

        if($dataArray['child_pop']==0){
            return false;
        }

        $maldateID=$this->savemaldateToDB($bhc_id, $date, $dataArray);

        for($i=1; $i<=13; $i++){
            $data=$this->getCount($date, $bhc_id, $i);
            //at this point, stats have already been counted, ready for saving
            $this->saveToDB($maldateID, $date, $data, $i);
        }//end outer for

        return true;
    }

    public function savemaldateToDB($bhc_id, $date, $dataArray){
        $rate=round((($dataArray['child_pop'])/($dataArray['eligible_pop']))*100, 2);

        $dataArray=array(
            'bhc_id'=>$bhc_id,
            'est_pop'=>$dataArray['est_pop'],
            'eligible_pop'=>$dataArray['eligible_pop'],
            'child_pop'=>$dataArray['child_pop'],
            'success_rate'=>$rate,
            'date'=>$date
        );

        $query = $this->db->query("Select bhc_maldate.id from bhc_maldate WHERE bhc_id='".$bhc_id'
AND date='".$date"'");

        if($query->num_rows()==0){
            $result=$this->db->insert('bhc_maldate', $dataArray);
            if($result){
                return $this->db->insert_id();
            }
        }
    }
}

```

```

        }
    else{
        $ret = $query->row();
        $this->db->where('bhc_id', $bhc_id);
        $this->db->where('date', $date);
        $this->db->update('bhc_maldate', $dataArray);
        return $ret->id;
    }
}//end savemaldateToDB

public function saveToDB($maldate_id, $date, $data, $i){
    $dataArray= array(
        'maldate_id'=>$maldate_id,
        'malnutrition_id' => $i,
        'b1'=> $data[0][0],
        'g1'=> $data[1][0],
        'b2'=> $data[0][1],
        'g2'=> $data[1][1],
        'b3'=> $data[0][2],
        'g3'=> $data[1][2],
        'b4'=> $data[0][3],
        'g4'=> $data[1][3],
        'b5'=> $data[0][4],
        'g5'=> $data[1][4],
        'b6'=> $data[0][5],
        'g6'=> $data[1][5],
        'b7'=> $data[0][6],
        'g7'=> $data[1][6]
    );
}

$query = $this->db->query("Select * from bhc_malnutrition WHERE maldate_id='$maldate_id'
AND malnutrition_id='$i'");
if($query->num_rows()==0){
    $result=$this->db->insert('bhc_malnutrition',$dataArray);
    if($result){
        return true;
    }
}
else{
    $this->db->where('maldate_id', $maldate_id);
    $this->db->where('malnutrition_id', $i);
    $this->db->update('bhc_malnutrition', $dataArray);
    return true;
}
return false;
}//end saveToDB

public function getBHCpop($bhc_id, $date){
    $query = "SELECT * FROM barangay_maldate,barangay WHERE
barangay.id=barangay_maldate.barangay_id AND date='$date' AND barangay.bhc_id=$bhc_id";
    $sql = $this->db->query($query);

    $data=array('est_pop'=>0,'elligible_pop'=>0,'child_pop'=>0,'success_rate'=>0);
    foreach($sql->result() as $row){
        $data['est_pop']+=$row->est_pop;
        $data['elligible_pop']+=$row->elligible_pop;
        $data['child_pop']+=$row->child_pop;
    }
    return $data;
}

public function getCount($date, $bhc_id, $malnutrition_id){
    $query = "SELECT * from barangay_malnutrition,barangay_maldate,barangay WHERE
barangay.id=barangay_maldate.barangay_id AND barangay_maldate.id=barangay_malnutrition.maldate_id AND
malnutrition_id='$malnutrition_id' AND
                                bhc_id='$bhc_id' AND date='$date'";
    $sql = $this->db->query($query);

    $data=array(array(0,0,0,0,0,0), array(0,0,0,0,0,0));
    foreach ($sql->result() as $row){
        $data[0][0]+=$row->b1;
        $data[1][0]+=$row->g1;
        $data[0][1]+=$row->b2;
        $data[1][1]+=$row->g2;
        $data[0][2]+=$row->b3;
        $data[1][2]+=$row->g3;
        $data[0][3]+=$row->b4;
        $data[1][3]+=$row->g4;
        $data[0][4]+=$row->b5;
    }
}

```

```

        $data[1][4]+=$row->g5;
        $data[0][5]+=$row->b6;
        $data[1][5]+=$row->g6;
        $data[0][6]+=$row->b7;
        $data[1][6]+=$row->g7;
    }//end foreach
    return $data;
}//end getCount

}

?>

//models/BHCAadmin/register_model.php
<?php

class register_model extends CI_Model {

    public function saveToDatabase($data){
        $sql = $this->db->query("UPDATE bhc set status=1 WHERE id='".$data['bhc_id']."'"); 
        return $this->db->insert('users',$data);
    }

    public function saveBHC($municipality_id, $name){
        $data=array(
            'municipality_id' => $municipality_id,
            'name' => $name
        );
        $this->db->insert('bhc',$data);
        return $this->db->insert_id();
    }

    public function getProvince(){
        $sql = $this->db->query("SELECT id, name FROM province");
        foreach ($sql->result() as $row){
            $data['name'][]=$row->name;
            $data['id'][]=$row->id;
        }
        return $data;
    }

    public function getMunicipality($province_id){

        $sql = $this->db->query("SELECT id, name FROM municipality WHERE province_id='$province_id'");

        $i=0;
        foreach ($sql->result() as $row){
            $results[$i]['name']=$row->name;
            $results[$i]['id']=$row->id;
            $i++;
        }
        return $results;
    }

}

?>

//models/BHCAadmin/viewbarangay_model.php
<?php

class viewBarangay_model extends CI_Model {

    public function getDates($barangay_id){

        $sql = $this->db->query("SELECT id,date as bm_date FROM barangay_maldate WHERE barangay_id='$barangay_id' ORDER BY STR_TO_DATE(bm_date, '%M %Y') DESC");

        if ($sql->num_rows() == 0){
            return null;
        }
    }
}

```

```

        }
        foreach ($sql->result() as $row){
            $results['dates'][]=$row->bm_date;
            $results['id'][]=$row->id;
        }
        return $results;
    }

    public function getBarangay(){
        $bhc_id=$this->session->userdata('bhc_id');

        $sql = $this->db->query("SELECT id, name FROM barangay WHERE bhc_id='$bhc_id' order by name asc");
        if ($sql->num_rows() > 0){
            foreach ($sql->result() as $row){
                $data['name'][]=$row->name;
                $data['id'][]=$row->id;
            }
            return $data;
        }
        return null; //return null if no barangay found
    }

    public function getBarangayDetails($barangay_id, $date){
        $sql = $this->db->query("SELECT *, date as bm_date FROM barangay,barangay_maldate WHERE barangay_maldate.barangay_id='$barangay_id' AND barangay.id=barangay_maldate.barangay_id AND barangay_maldate.id='$date'");
        $row= $sql->row();
        $data['name']=$row->name;
        $data['date']=$row->bm_date;
        $data['est_pop']=$row->est_pop;
        $data['eligible_pop']=$row->eligible_pop;
        $data['success_rate']=$row->success_rate;
        $data['child_pop']=$row->child_pop;
        return $data;
    }

    public function getbarangayInfo($date){
        $sql = $this->db->query("SELECT * FROM barangay_malnutrition WHERE maldate_id='$date'");

        if ($sql->num_rows() == 0){
            return null;
        }

        $i=1;
        foreach ($sql->result() as $row){
            $results[$i][1]=$row->b1;
            $results[$i][2]=$row->g1;
            $results[$i][3]=$row->b2;
            $results[$i][4]=$row->g2;
            $results[$i][5]=$row->b3;
            $results[$i][6]=$row->g3;
            $results[$i][7]=$row->b4;
            $results[$i][8]=$row->g4;
            $results[$i][9]=$row->b5;
            $results[$i][10]=$row->g5;
            $results[$i][11]=$row->b6;
            $results[$i][12]=$row->g6;
            $results[$i][13]=$row->b7;
            $results[$i][14]=$row->g7;
            $i++;
        }
        //end for
        return $results;
    }
}

?>

//models/BHCadmin/viewbhc_model.php
<?php

class viewBHC_model extends CI_Model {

    public function getDates($bhc_id){

        $sql = $this->db->query("SELECT date as bm_date,id FROM bhc_maldate WHERE bhc_id='$bhc_id' ORDER BY STR_TO_DATE(bm_date, '%M %Y') DESC");

        if ($sql->num_rows() == 0){
            return null;
        }
        foreach ($sql->result() as $row){

```

```

        $results['dates'][]=$row->bm_date;
        $results['id'][]=$row->id;
    }
    return $results;
}

public function getDateName($date_id){
    $sql = $this->db->query("SELECT date as bm_date FROM bhc_maldate where id='$date_id'");
    $row=$sql->row();
    return $row->bm_date;
}

public function getBrgyPerIndex($date, $i, $bhc_id){
    $query="SELECT *
            FROM barangay, barangay_maldate, barangay_malnutrition WHERE
barangay.bhc_id='$bhc_id'
            AND barangay_maldate.barangay_id=barangay.id AND
barangay_malnutrition.maldate_id=barangay_maldate.id AND date='$date'
            AND malnutrition_id='$i'";
    $sql = $this->db->query($query);

    if ($sql->num_rows() == 0){
        return null;
    }

    $i=0;
    foreach ($sql->result() as $row){
        $results[$i][1]=$row->b1;
        $results[$i][2]=$row->g1;
        $results[$i][3]=$row->b2;
        $results[$i][4]=$row->g2;
        $results[$i][5]=$row->b3;
        $results[$i][6]=$row->g3;
        $results[$i][7]=$row->b4;
        $results[$i][8]=$row->g4;
        $results[$i][9]=$row->b5;
        $results[$i][10]=$row->g5;
        $results[$i][11]=$row->b6;
        $results[$i][12]=$row->g6;
        $results[$i][13]=$row->b7;
        $results[$i][14]=$row->g7;
        $results[$i]['name']=$row->name;
        $results[$i]['child_pop']=$row->child_pop;
        $results[$i]['eligible_pop']=$row->eligible_pop;
        $results[$i]['est_pop']=$row->est_pop;
        $results[$i]['success_rate']=$row->success_rate; //success rate wrt eligible pop

        $i++;
    }
    return $results;
}

public function getAdminInfo($id){
    $sql = $this->db->query("SELECT * from users where id=$id");
    $row= $sql->row();
    return $row->name." ".$row->surname;
}

public function getBHCdetails($date_id){
    $bhc_id=$this->session->userdata('bhc_id');
    $sql = $this->db->query("SELECT *, municipality.name as mname, bhc.name as bname, province.name as
pname, bhc_maldate.date as bm_date FROM bhc,bhc_maldate, municipality, province WHERE bhc_maldate.bhc_id='$bhc_id' AND
bhc.id=bhc_maldate.bhc_id AND municipality_id=municipality.id AND province_id=province.id AND bhc_maldate.id='$date_id'");
    $row= $sql->row();
    $data['name']=$row->bname;
    $data['date']=$row->bm_date;
    $data['est_pop']=$row->est_pop;
    $data['eligible_pop']=$row->eligible_pop;
    $data['success_rate']=$row->success_rate;
    $data['child_pop']=$row->child_pop;
    $data['municipality']=$row->mname;
    $data['province']=$row->pname;
    return $data;
}

public function getDateID($date){
    $sql = $this->db->query("SELECT id FROM bhc_maldate WHERE date='$date'");
}

```

```

        if ($sql->num_rows() == 0){
            return array('id'=>null);
        }
        $row=$sql->row();
        return array('id'=>$row->id);
    }

    public function getBHCInfo($date, $bhc_id){
        $sql = $this->db->query("SELECT * FROM bhc_malnutrition WHERE maldate_id='$date' order by
malnutrition_id ASC");

        if ($sql->num_rows() == 0){
            return null;
        }

        foreach ($sql->result() as $row){
            $results[$row->malnutrition_id][1]=$row->b1;
            $results[$row->malnutrition_id][2]=$row->g1;
            $results[$row->malnutrition_id][3]=$row->b2;
            $results[$row->malnutrition_id][4]=$row->g2;
            $results[$row->malnutrition_id][5]=$row->b3;
            $results[$row->malnutrition_id][6]=$row->g3;
            $results[$row->malnutrition_id][7]=$row->b4;
            $results[$row->malnutrition_id][8]=$row->g4;
            $results[$row->malnutrition_id][9]=$row->b5;
            $results[$row->malnutrition_id][10]=$row->g5;
            $results[$row->malnutrition_id][11]=$row->b6;
            $results[$row->malnutrition_id][12]=$row->g6;
            $results[$row->malnutrition_id][13]=$row->b7;
            $results[$row->malnutrition_id][14]=$row->g7;
        }//end for
        return $results;
    }
}

```

?>

```

//models/BHCadmin/viewbhw_model.php
<?php

class viewBHW_model extends CI_Model {

    public function getBHW($bhc_id){

        $sql = $this->db->query("SELECT * FROM users WHERE bhc_id='$bhc_id' AND mode='BHW' ORDER BY surname, name
ASC");

        if ($sql->num_rows() == 0){
            return null;
        }
        foreach ($sql->result() as $row){
            $results['id'][]=$row->id;
            $results['surname'][]=$row->surname;
            $results['name'][]=$row->name;

        }
        return $results;
    }

    public function getBHWdetails($id){
        $sql = $this->db->query("SELECT * FROM users WHERE id='$id'");
        $row=$sql->row();

        $results['surname']=$row->surname;
        $results['name']=$row->name;
        $results['email']=$row->email;
        $results['number']=$row->number;

        $sql = $this->db->query("SELECT * FROM barangay WHERE bhw_id='$id' ORDER BY name ASC");

        if ($sql->num_rows() == 0){
            $results['barangay']=null;
            return $results;
        }
        foreach ($sql->result() as $row){
            $results['barangay'][]=$row->name;
        }
        return $results;
    }
}

```

```

}

//models/BHW/addchild_model.php
<?php

class addChild_model extends CI_Model {

    public function getBarangay(){
        $bhc_id=$this->session->userdata('bhc_id');
        $bhw_id=$this->session->userdata('id');

        $sql = $this->db->query("SELECT id, name FROM barangay WHERE bhw_id='$bhw_id' order by barangay.name");
        if ($sql->num_rows() > 0){
            foreach ($sql->result() as $row){
                $data['name'][]=$row->name;
                $data['id'][]=$row->id;
            }
            return $data;
        }
        return null; //return null if no barangay found
    }

    public function saveToDatabase($data){
        $result=$this->db->insert('child',$data);
        if($result){
            return $this->db->insert_id();
        }
        return false;
    }
}

?>

//models/BHW/addopt_model.php
<?php

class addOPT_model extends CI_Model {

    public function getChild($barangay_id, $date){

        $sql = $this->db->query("SELECT name, surname, id, bday, sex FROM child WHERE barangay_id='$barangay_id' ORDER BY surname");
        if ($sql->num_rows() == 0){
            return null;
        }

        $temp=explode(' ', $date);

        $i=0;
        $results=array();
        foreach ($sql->result() as $row{
            $q = $this->db->query("SELECT id FROM child_assessment WHERE date='$date' AND child_id='".$row->id);

            if ($q->num_rows() == 0){ //no opt data yet for the given month
                if($this->getAge($row->bday, $temp[0], $temp[1])<0){
                    continue;
                }
                $results[$i]['name']=$row->name;
                $results[$i]['id']=$row->id;
                $results[$i]['surname']=$row->surname;
                $results[$i]['bday']=$row->bday;
                $results[$i]['sex']=$row->sex;
                $i++;
            }
        }
        return $results;
    }

    public function getAge($bday, $Month, $Year){
        $b=explode("-",$bday);
        if(count($b)<2){
            return false;
        }

        $year=$b[0];
        $month=$b[1];

        if($Month<$month){

```

```

        $year-=1;
        $month+=12;
    }

    return intval(((Year-$year)*12)+($Month-$month));
}

}

?>

//models/BHW/bhw_model.php
<?php

class BHW_model extends CI_Model {

    public function getBarangay(){
        $bhc_id=$this->session->userdata('bhc_id');
        $bhw_id=$this->session->userdata('id');

        $sql = $this->db->query("SELECT id, name FROM barangay WHERE bhw_id='$bhw_id' order by barangay.name");
        if ($sql->num_rows() > 0){
            foreach ($sql->result() as $row){
                $data['name'][]=$row->name;
                $data['id'][]=$row->id;
            }
            return $data;
        }
        return array('name'=>null); //return null if no barangay found
    }

    public function saveToDatabase($data, $table){
        $this->db->insert($table,$data);
        return $this->db->insert_id();
    }
}

?>

//models/BHW/childfunctions_model.php
<?php

class childFunctions_model extends CI_Model {

    public function getAge($bdy, $Month, $Year){
        $b=explode("-",$bdy);
        if(count($b)<2){
            return false;
        }

        $year=$b[0];
        $month=$b[1];

        if($Month<$month){
            $year-=1;
            $month+=12;
        }

        return intval(((Year-$year)*12)+($Month-$month));
    }

    public function classifyChild($child_id, $sex, $height, $weight, $age, $date){

        if($age > 71){
            $this->db->delete('child', array('id' => $child_id));
            return;
        }
        $height=round($height*2)/2;

        $WAstat=$this->childFunctions_model->getWeightClassif($sex, $height, $weight, $age);
        $HAstat=$this->childFunctions_model->getHeightClassif($sex, $height, $weight, $age);
        $WHstat=$this->childFunctions_model->getWeightforHeightClassif($sex, $height, $weight, $age);

        return $this->saveAssessment($child_id, $age, $WAstat, $WHstat, $HAstat, $weight, $height, $date);
    }

    function getWeightClassif($sex, $height, $weight, $age){

```

```

switch($sex){
    case 'F': $query = "SELECT * FROM girls_wa_table WHERE age='$age"'; break;
    case 'M': $query = "SELECT * FROM boys_wa_table WHERE age='$age"'; break;
}

$sql = $this->db->query($query);
//execute query
$row=$sql->row();

if($weight<=$row->Severely{
    return 5;
}
else if($weight<=$row->Underweight){
    return 6;
}
else if($weight<=$row->Normal){
    return 7;
}
else if($weight>=$row->Overweight){
    return 8;
}
return -1;
}

function getHeightClassif($sex, $height, $weight, $age){
switch($sex){
    case 'F': $query = "SELECT * FROM girls_ha_table WHERE age='$age"'; break;
    case 'M': $query = "SELECT * FROM boys_ha_table WHERE age='$age"'; break;
}

$sql = $this->db->query($query);
//execute query
$row=$sql->row();

if($height<=$row->Severely{
    return 1;
}
else if($height<=$row->Stunted){
    return 2;
}
else if($height<=$row->Normal){
    return 3;
}
else if($height>=$row->Tall){
    return 4;
}
return -1;
}

function getWeightforHeightClassif($sex, $height, $weight, $age){

if($age>60)
    return 14;

switch($sex){
    case 'F':
        if($age<=23){
            $query = "SELECT * FROM girls_wl_table WHERE length='$height'";
        } else{
            $query = "SELECT * FROM girls_wh_table WHERE height='$height'";
        }
        break;
    case 'M':
        if($age<=23){
            $query = "SELECT * FROM boys_wl_table WHERE length='$height'";
        } else{
            $query = "SELECT * FROM boys_wh_table WHERE height='$height'";
        }
        break;
}

$sql = $this->db->query($query);
//execute query
$row=$sql->row();
if($weight<=$row->Severely{

```

```

        return 9;
    }

    else if($weight<=$row->Wasted){
        return 10;
    }
    else if($weight<=$row->Normal){
        return 11;
    }
    else if($weight<=$row->Overweight){
        return 12;
    }
    else if($weight>=$row->Obese){
        return 13;
    }
    return -1;
}

public function saveAssessment($child_id, $age, $WAstat, $WHstat, $Hstat, $weight, $height, $date){
    $data= array(
        'child_id' => $child_id,
        'age'       => $age,
        'WAstat'   => $WAstat,
        'Hstat'    => $Hstat,
        'WHstat'   => $WHstat,
        'height'   => $height,
        'weight'   => $weight,
        'date'     => $date
    );
    $query = $this->db->query("Select * from child_assessment WHERE child_id='$child_id' AND date='$date'");
    if($query->num_rows()==0){
        $result=$this->db->insert('child_assessment',$data);
        if($result){
            return true;
        }
    }
    else{
        $this->db->where('child_id', $child_id);
        $this->db->where('date', $date);
        $this->db->update('child_assessment', $data);
        return true;
    }
    return false;
}

?>

//models/BHW/viewbarangay_model.php
<?php

class viewBarangay_model extends CI_Model {

    public function getDates($barangay_id){

        $sql = $this->db->query("SELECT id,date as bm_date FROM barangay_maldate WHERE barangay_id='$barangay_id' ORDER BY STR_TO_DATE(bm_date, '%M %Y') DESC");

        if ($sql->num_rows() == 0){
            return null;
        }
        foreach ($sql->result() as $row){
            $results['dates'][]=$row->bm_date;
            $results['id'][]=$row->id;
        }
        return $results;
    }

    public function getDateID($d, $b){
        $sql = $this->db->query("SELECT id FROM barangay_maldate WHERE barangay_id='$b' AND date='$d'");
        if ($sql->num_rows() == 0){
            return array('id'=>null);
        }
        $row=$sql->row();
        return array('id'=>$row->id);
    }
}

```

```

        }

    public function getBarangayDetails($barangay_id, $date){
        $sql = $this->db->query("SELECT *, date as bm_date FROM barangay,barangay_maldate WHERE
barangay_maldate.barangay_id='$barangay_id' AND barangay.id=barangay_maldate.barangay_id AND barangay_maldate.id='$date'");
        $row= $sql->row();
        $data['name']=$row->name;
        $data['date']=$row->bm_date;
        $data['est_pop']=$row->est_pop;
        $data['elligible_pop']=$row->elligible_pop;
        $data['success_rate']=$row->success_rate;
        $data['child_pop']=$row->child_pop;
        return $data;
    }

    public function getbarangayInfo($date){
        $sql = $this->db->query("SELECT * FROM barangay_malnutrition WHERE malDate_id='$date'");

        if ($sql->num_rows() == 0){
            return null;
        }

        $i=1;
        foreach ($sql->result() as $row){
            $results[$i][1]=$row->b1;
            $results[$i][2]=$row->g1;
            $results[$i][3]=$row->b2;
            $results[$i][4]=$row->g2;
            $results[$i][5]=$row->b3;
            $results[$i][6]=$row->g3;
            $results[$i][7]=$row->b4;
            $results[$i][8]=$row->g4;
            $results[$i][9]=$row->b5;
            $results[$i][10]=$row->g5;
            $results[$i][11]=$row->b6;
            $results[$i][12]=$row->g6;
            $results[$i][13]=$row->b7;
            $results[$i][14]=$row->g7;
            $i++;
        }
        //end for
        return $results;
    }
}

?>

//models/BHW/generateresults_model.php
<?php

class generateResults_model extends CI_Model {

    public function generateResults($barangay_id, $date, $maldateID){

        $minAge=array(0,6,12,24,36,48,60);
        $maxAge=array(5,11,23,35,47,59,71);

        //HA
        for($i=1; $i<=4; $i++){
            $data=array(array(0,0,0,0,0,0), array(0,0,0,0,0,0));
            for($j=0; $j<=6; $j++){
                $data[0][$j]=$this->getCount($minAge[$j], $maxAge[$j], 'M', $i,
$date, $barangay_id, 'HStat');
                $data[1][$j]=$this->getCount($minAge[$j], $maxAge[$j], 'F', $i, $date,
$barangay_id, 'HStat');
            }
            //end inner for
            //at this point, stats have already been counted, ready for saving
            if(!$this->saveToDB($barangay_id, $date, $data, $i, $maldateID)){
                return false;
            }
        }
        //end outer for

        //WA
        for($i=5; $i<=8; $i++){
            $data=array(array(0,0,0,0,0,0), array(0,0,0,0,0,0));
            for($j=0; $j<=6; $j++){
                $data[0][$j]=$this->getCount($minAge[$j], $maxAge[$j], 'M', $i,
$date, $barangay_id, 'WStat');
                $data[1][$j]=$this->getCount($minAge[$j], $maxAge[$j], 'F', $i, $date,
$barangay_id, 'WStat');
            }
        }
    }
}

```

```

        }//end inner for
        //at this point, stats have already been counted, ready for saving
        if(!(!$this->saveToDB($barangay_id, $date, $data, $i, $maldateID)){
            return false;
        }
    }//end outer for

    //WH
    for($i=9; $i<=13; $i++){
        $data=array(array(0,0,0,0,0,0), array(0,0,0,0,0,0));
        for($j=0; $j<=6; $j++){
            $data[0][$j]=$this->getCount($minAge[$j], $maxAge[$j], 'M', $i,
                $date, $barangay_id, 'WHstat');
            $data[1][$j]=$this->getCount($minAge[$j], $maxAge[$j], 'F', $i, $date,
                $barangay_id, 'WHstat');
        }
    }//end inner for
    //at this point, stats have already been counted, ready for saving
    if(!(!$this->saveToDB($barangay_id, $date, $data, $i, $maldateID)){
        return false;
    }
}
}//end outer for
return true;
}

public function getChildPop($barangay_id, $date){
    $query = $this->db->query("Select * from child_assessment,child WHERE
child_assessment.child_id=child.id AND child.barangay_id='$barangay_id' AND date='$date'");
    return $query->num_rows();
}//end getChildPop

public function savemaldateToDB($barangay_id, $estpop, $ellpop, $childpop, $successrate, $date){
    $dataArray=array(
        'barangay_id'=>$barangay_id,
        'est_pop'=>$estpop,
        'eligible_pop'=>$ellpop,
        'child_pop'=>$childpop,
        'success_rate'=>$successrate,
        'date'=>$date
    );
    /*
     * Check if record exists. If so, the system will overwrite.
     */
    $query = $this->db->query("Select barangay_maldate.id from barangay_maldate WHERE
barangay_id='$barangay_id' AND date='$date'");
    if($query->num_rows()==0{
        $result=$this->db->insert('barangay_maldate',$dataArray);
        if($result){
            return $this->db->insert_id();
        }
    }
    else{
        /*
         * else, save a new record.
         */
        $ret = $query->row();
        $this->db->where('barangay_id', $barangay_id);
        $this->db->where('date', $date);
        $this->db->update('barangay_maldate', $dataArray);
        return $ret->id;
    }
}

public function saveToDB($barangay_id, $date, $data, $i, $maldateID){

    $dataArray= array(
        'malnutrition_id' => $i,
        'b1'=> $data[0][0],
        'g1'=> $data[1][0],
        'b2'=> $data[0][1],
        'g2'=> $data[1][1],
        'b3'=> $data[0][2],
        'g3'=> $data[1][2],
        'b4'=> $data[0][3],
        'g4'=> $data[1][3],
        'b5'=> $data[0][4],
        'g5'=> $data[1][4],
        'b6'=> $data[0][5],
        'g6'=> $data[1][5],
        'b7'=> $data[0][6],
    );
}

```

```

        'g7'=> $data[1][6],
        'maldate_id' => $maldateID
    );
}

$query = $this->db->query("Select * from barangay_malnutrition WHERE
maldate_id='$maldateID' AND malnutrition_id='\$i'");
if($query->num_rows()==0){
    $result=$this->db->insert('barangay_malnutrition',$dataArray);
    if($result){
        return true;
    }
}
else{
    $this->db->where('maldate_id', $maldateID);
    $this->db->where('malnutrition_id', $i);
    $this->db->update('barangay_malnutrition', $dataArray);
    return true;
}
return false;
}

public function getBarangayName($id){
    $query = "SELECT name FROM barangay WHERE id='\$id'";
    $sql = $this->db->query($query);
    return $sql->row()->name;
}

public function getPop($barangay_id, $date){
    $query = "SELECT * FROM child_assessment, child WHERE child.id=child_assessment.child_id
AND date='\$date' AND barangay_id='\$barangay_id'";
    $sql = $this->db->query($query);
    return $sql->num_rows();
}

public function getCount($minAge, $maxAge, $sex, $i, $date, $barangay_id, $status){
    $query = "SELECT * FROM child_assessment, child WHERE child.id=child_assessment.child_id
AND child.sex='\$sex' AND
child_assessment.age<='\$maxAge' AND date='\$date'
AND barangay_id='\$barangay_id' AND \$status='\$i'";
    $sql = $this->db->query($query);
    return $sql->num_rows();
}

function getAgeGroup($age){
    if($age<=5)
        return 0;
    if($age <=11)
        return 1;
    if($age <=23)
        return 2;
    if($age <=35)
        return 3;
    if($age <=47)
        return 4;
    if($age <=59)
        return 5;
    if($age <=71)
        return 6;
}
}

?>

//models/BHW/viewchild_model.php
<?php

class viewChild_model extends CI_Model {

    var $sex;
    var $bday;

    public function getChild($barangay_id){

```

```

        $sql = $this->db->query("SELECT name, surname, id FROM child WHERE barangay_id='$barangay_id'
ORDER BY surname");
        if ($sql->num_rows() == 0){
            return null;
        }
        $i=0;
        foreach ($sql->result() as $row){

            $results[$i]['name']=$row->name;
            $results[$i]['id']=$row->id;
            $results[$i]['surname']=$row->surname;
            $i++;
        }
        return $results;
    }

    public function getChildInfo($child_id){

        $sql = $this->db->query("SELECT child.id, child.name, sex, bday, surname, barangay_id, barangay.name as bname,
mother, father, guardian,gContact, mContact, fContact, address
        FROM child, barangay WHERE child.id='$child_id' AND barangay_id=barangay.id");
        if ($sql->num_rows() == 0){
            return null;
        }
        foreach ($sql->result() as $row){
            $results['id']=$row->id;
            $results['name'] = $row->name;
            $results['surname'] = $row->surname;
            $results['bday'] = $row->bday;
            $results['sex'] = $row->sex;
            $results['mother'] = $row->mother;
            $results['father'] = $row->father;
            $results['mContact'] = $row->mContact;
            $results['guardian'] = $row->guardian;
            $results['gContact'] = $row->gContact;
            $results['fContact'] = $row->fContact;
            $results['address'] = $row->address;
            $results['barangay'] = $row->bname;
            $results['barangay_id']=$row->barangay_id;
        }
        return $results;
    }

    public function getChildAssessment($child_id){

        $sql = $this->db->query("SELECT *, date as ca_date from child_assessment where child_id='$child_id'
ORDER BY age ASC ");
        if ($sql->num_rows() == 0){
            return null;
        }
        $i=0;
        foreach ($sql->result() as $row){
            $results[$i]['date']=$row->ca_date;
            $results[$i]['ca_id']=$row->id;
            $results[$i]['ca_age']=$row->age;
            $results[$i]['ca_height']=$row->height;
            $results[$i]['ca_weight']=$row->weight;
            $results[$i]['WStat']= $row->WStat;
            $results[$i]['HStat']= $row->HStat;
            $results[$i]['WHStat']= $row->WHStat;
            $i++;
        }
        return $results;
    }

    public function saveInfo($id, $data){

        $this->db->where('id', $id);
        return $this->db->update('child', $data);
    }

    public function deleteChild($child_id){
        return $this->db->delete('child', array('id' => $child_id));
    }

    public function deleteCA($id){
        return $this->db->delete('child_assessment', array('id' => $id));
    }
}

```

```

        public function deleteAllCA($id){
            return $this->db->delete('child_assessment', array('child_id' => $id));
        }
    }

?>

//models/guest/login_model.php
<?php

class login_model extends CI_Model {

    public function login($username, $password, $mode){
        $sql="SELECT * from users where username='".$username' and password='".$password' and mode='".$mode."'";
        $query=$this->db->query($sql);

        if($query) {
            return $query->row();
        }else {
            return NULL;
        }
    }

    public function loginAdmin($username, $password){
        $sql="SELECT * from admin where username='".$username' and password='".$password."'";
        $query=$this->db->query($sql);
        if($query) {
            return $query->row();
        }else {
            return NULL;
        }
    }
}

?>

//models/admin_model.php
<?php if ( ! defined('BASEPATH')) exit('No direct script access allowed');
/**
 * CodeIgniter Application Model Class
 *
 * @package         CodeIgniter
 * @subpackage      Libraries
 * @category        Libraries
 * @author          WanWizard
 * @link            http://www.exitecms.org
 */
class Admin_Model extends MY_Model
{
    function __construct()
    {
        parent::__construct();
    }

    function get_config()
    {
        if ( iset($this->db) && is_object($this->db) )
        {
            $this->output->append_output(
                "database found: <br />"
            );

            $this->load->dbutil();

            $dbs = $this->dbutil->list_databases();

            foreach($dbs as $db)
            {
                $this->output->append_output(
                    "> ".$db."<br />"
                );
            }
        }
        else
        {
            $this->output->append_output(
                "No database configured, skipping database connection test!<br />"
            );
        }
    }
}

```

```

        );
    }
}

// END Controller class

/* End of file Controller.php */
/* Location: ./application/core/MY_Controller.php */

//models/changeunpw_model.php
<?php

class changeUNPW_model extends CI_Model {

    public function verifyPassword($id, $password){
        $sql = $this->db->query("SELECT * FROM users WHERE id='$id' AND password='$password'");
        $row=$sql->row();

        return $row;
    }

    public function saveToDatabase($value, $label, $id){
        $data = array($label => $value);

        $this->db->where('id', $id);
        $result=$this->db->update('users', $data);

        return $result;
    }
}

?>

//models/editprofile_model.php
<?php

class editProfile_model extends CI_Model {

    public function getBHWProfile(){
        $username=$this->session->userdata('user');
        $sql = $this->db->query("SELECT * FROM users WHERE username='$username'");
        $row=$sql->row();
        $data['username']=$row->username;
        $data['id']=$row->id;
        $data['email']=$row->email;
        $data['contact']=$row->number;
        $data['name']=$row->name;
        $data['surname']=$row->surname;

        return $data;
    }

    public function saveToDatabase($name, $surname, $email, $number){
        $data = array(
            'name' => $name,
            'surname' => $surname,
            'email' => $email,
            'number' => $number,
            'status' => '2'
        );
        $id=$this->session->userdata('id');
        $this->db->where('id', $id);
        $result=$this->db->update('users', $data);

        return $result;
    }
}

?>

//models/forgotpassword_model.php
<?php

class forgotPassword_model extends CI_Model {

    public function checkEmail($mail){
        $sql = $this->db->query("SELECT * FROM users WHERE email='$mail'");
        if ($sql->num_rows() == 1){
            return true;
        }
        return false;
    }
}

```

```

        public function updatePW($pw, $email){
            $data=array('password' => md5($pw));
            $this->db->where('email', $email);
            $result=$this->db->update('users', $data);

            return $result;
        }
    }

?>

//models/home_model.php
<?php

class home_model extends CI_Model {

    public function getBoundaries($municipality_id){
        $sql = $this->db->query("SELECT * FROM municipality_points WHERE municipality_id='$municipality_id'");
        $b=array(array(), array());

        $i=0;
        foreach ($sql->result() as $row){
            $b[$i]['lat']=floatval($row->lat);
            $b[$i]['lng']=floatval($row->lng);
            $i++;
        }

        return $b;
    }

    public function getProvinces($date){
        if($date=='sample'){
            $sql=$this->db->query("SELECT *, province.name as pname, province.id as pid FROM province
order by province.name");

        } else{
            $sql=$this->db->query("SELECT *, province.name as pname, province.id as pid FROM
municipality_maldate, municipality, province WHERE municipality_id=municipality.id AND province_id=province.id AND date='$date' order by
province.name");
        }

        $i=0;
        foreach($sql->result() as $row){
            if($i==0 || ($i>0 && $row->pid > $data[$i-1]['id'])){
                $data[$i]['name']=$row->pname;
                $data[$i]['id']=$row->pid;
                $i++;
            }
        }

        return $data;
    }

    public function getDates(){

        $sql = $this->db->query("SELECT date as m_date FROM municipality_maldate ORDER BY
STR_TO_DATE(m_date, '%M %Y') DESC");
        if($sql->num_rows()==0){
            return null;
        } else{
            $data=array();
            foreach($sql->result() as $row){
                if(count($data)==0){
                    $data[]=$row->m_date;
                } else if($row->m_date != $data[count($data)-1]){
                    $data[]=$row->m_date;
                }
            }

            return $data;
        }
    }

    public function getMunicipalities($date, $province_id){
        if($date=='sample'){
            $sql = $this->db->query("SELECT *, municipality.name as mname, municipality.id as
municipality_id FROM municipality, province WHERE province_id=province.id AND province.id='$province_id'");
            $i=0;
            foreach($sql->result() as $row){


```

```

        $data[$i]['municipality_id']=$row->municipality_id;
        $data[$i]['name']=$row->name;
        $i++;
    }
}
else{
    $sql = $this->db->query("SELECT *, municipality.name as mname FROM municipality, province,
municipality_maldate WHERE municipality_id=municipality.id AND province_id=province.id AND province.id='\$province_id' AND date='\$date' ");

    $i=0;
    foreach($sql->result() as $row){
        $data[$i]['municipality_id']=$row->municipality_id;
        $data[$i]['maldate_id']=$row->id;
        $data[$i]['name']=$row->name;
        $i++;
    }
}
return $data;
}

public function getMalPrev($id){
    if($id='sample'){
        for($i=1; $i<14; $i++){
            $data[$i]=rand(0, 100);
        }
        return $data;
    }
    $sql = $this->db->query("SELECT * FROM municipality_malnutrition WHERE malDate_id='\$id'");
    foreach($sql->result() as $row){
        $data[$row->malnutrition_id]=$row->prev;
    }
}
return $data;
}

public function getRegion($name){
    $sql = $this->db->query("SELECT name,region FROM province WHERE id='\$name'");
    $row=$sql->row();
    return array('region'=>$row->region, 'name'=>$row->name);
}
}

?>
//views/admin/BHAdminRequests_view.php

```

```

<?php
//if no requests exists
if(!isset($requests))?
<div id="noRequest" style="height: 100px; display:none" >
    <div class="panel panel-default">
        <p class="header">Notification</p>
        <div class="fancy">
            <p align="center">
                There are no request to approve. <br><br>
                <a class="btn btn-default" id="back-btn" role="button" href="#">Back</a><br>
            </p>
        </div>
    </div>
</div>

<script>
$(document).ready(function(){
    $.fancybox({
        'width': '30%',
        'height': '150px',
        'autoScale': true,
        'transitionIn': 'fade',
        'transitionOut': 'fade',
        'type': 'inline',
        'href': '#noRequest',
        'modal': true,
        'autoSize': false
    });

    $('#back-btn').bind('click', function(){
        $(location).attr('href','<?php echo site_url(); ?>');
    });
});
</script>

```

```

<?php

return false;
} ?>

<div class='table-container' style='width: 850px; margin: auto; margin-top: 10px;'>
<br><br>
<h3 style='text-align: center'>Approve BHC Admin Requests</h3>
<div class="panel panel-default" style="width: 850px; margin: auto">
<div class='panel-heading'>
<table class="table requests" style="font-size: 15px; width: 100%; margin: auto">
<tbody>
<tr>
<th style="display: none;">ID</th>
<th>Username</th>
<th>Name</th>
<th>BHC Name</th>
<th style='width: 150px'>City/Municipality</th>
<th>Province</th>
<th style='width: 90px'></th>
</tr>
</tbody>
</table>
</div>
</div>

<div class="panel panel-default records" style="width: 850px;">
<table class="table requests" style="font-size: 14px; width: 100%; margin: auto">
<tbody>
<?php foreach($requests as $r){ ?>
<tr id="<?php echo $r['id']; ?>">
<td style="display:none;"><?php echo $r['id']; ?></td>
<td><?php echo $r['username']; ?></td>
<td><?php echo $r['surname']; ?>, <?php echo $r['name']; ?></td>
<td><?php echo $r['bhcname']; ?></td>
<td style='width: 150px'><?php echo $r['municipality']; ?></td>
<td><?php echo $r['province']; ?></td>
<td style='border:none; width: 90px;'>
<div class="btn-group btn-group-sm">
<button class="btn btn-default approve" title='Approve' value="<?php echo $r['id']; ?>"><span class="glyphicon glyphicon-ok"></span></button>
<button class="btn btn-default reject" title='Reject' value="<?php echo $r['id']; ?>"><span class="glyphicon glyphicon-remove"></span></button>
</div>
</td>
</tr>
<?php } ?>
</tbody>
</table>
</div>
</div>

<script>
$(document).ready(function(){

/*
 * loading
 */
$('.fancybox').fancybox({
closeClick : false, // prevents closing when clicking INSIDE fancybox
helpers : {
overlay : {closeClick: false}
}// prevents closing when clicking OUTSIDE fancybox
});

$('.approve').click(
function () {

console.log('clicked');
var bhcadmin=$(this).val();

console.log(bhcadmin);

$.fancybox.helpers.overlay.open();
});

```

```

        $.fancybox.showLoading();

        $.ajax({
            type: "POST",
            url: "BHCadminRequests/approve/"+bhcadmin,
            dataType: "text",
            cache: false,
            data: {'bhcadmin':bhcadmin},
            success: function(result){
                /*
                    * remove loading gif
                    */
                $.fancybox.helpers.overlay.close();
                $.fancybox.hideLoading();

                alert('BHC admin request approved.');
                window.location.reload();
            }
        });

    });

    $('.reject').click(
        function () {
            var bhcadmin=$("input[name='reject']:checked").map(function() { return this.value; }).get();
            console.log('clicked');
            var bhcadmin=$(this).val();

            console.log(bhcadmin);

            $.fancybox.helpers.overlay.open();
            $.fancybox.showLoading();

            $.ajax({
                type: "POST",
                url: "BHCadminRequests/reject/"+bhcadmin,
                dataType: "text",
                cache: false,
                data: {'bhcadmin':bhcadmin},
                success: function(result){
                    /*
                        * remove loading gif
                        */
                    $.fancybox.helpers.overlay.close();
                    $.fancybox.hideLoading();

                    alert('BHC admin request rejected.');
                    window.location.reload();
                }
            });

        });
    });

});

</script>
//views/admin/viewOPTResults_view.php

<div id='content' class='bordered container' style='width:100%; overflow: auto'>

    <div id='left_panel' class='bordered panel panel-default left' style='left: 10px; width: 200px;'>
        <div id="datesDiv" style="margin: auto; text-align: left; font-size: 10px">
            <div class='panel-title' style='text-align: center; width: 100%;'><h4>Instructions:</h4></div>
            1. Choose a province.<br>
            2. Choose a city/municipality.<br>
            3. Provide the month and year.<br>
            <br>
        </div>

        </div>

        <form name=thisform>
            <select class='form-control' style="" name="province" id="province">
                <option value=0>Select Province</option>
                <?php
                    for($i=0; $i<count($province['name']); $i++) {

```

```

        echo "<option value=\"$province['id'][$i].\">$province['name'][$i].</option>";
    }
}
?>
</select>

<div id="muniDiv">
    <select class='form-control' style="background-color: #ffffa0;" id="municipality" name="municipality">
        <option value=-1>Select Province First</option>
    </select>
</div>

<h3>Date</h3>
<select class='form-control' name="month" id="OPTmonth" >
    <option value='1'>Month</option>
    <option value='January'>January</option>
    <option value='February'>February</option>
    <option value='March'>March</option>
    <option value='April'>April</option>
    <option value='May'>May</option>
    <option value='June'>June</option>
    <option value='July'>July</option>
    <option value='August'>August</option>
    <option value='September'>September</option>
    <option value='October'>October</option>
    <option value='November'>November</option>
    <option value='December'>December</option>
</select>

<select class='form-control' name='year' id='OPTyear'>
    <option value='1'>Year</option>
    <?php for($i=date('Y').trim(); $i>=1970; $i--) {?
        <option value="<?php echo $i; ?>"><?php echo $i; ?></option>
    <?php }?>
</select><br><br>

<input type="submit" value="Submit" id="submit" name="submit" class="btn btn-primary" style="width: 150px;">
</form>
</div>

<div id='right_panel' class='bordered panel panel-default right' style='right: 210px;'>
    <br><br><br>
    Please select the province and municipality.
</div>
</div>

<script language="javascript">
var site_url='<?php echo site_url(); ?>';

// for the window resize
$(window).resize(function() {
    var bodyheight = $(window).height();
    var bodywidth = $(window).width();

    var containerHeight= bodyheight-152;
    var panelHeight = containerHeight-20;

    var right = bodywidth-260;
    $(".bordered").height(panelHeight+'px');
    $("#content").height(containerHeight+'px');
    $('#right_panel').width(right+'px');
});
$(document).ready(function(){
    var bodyheight = $(window).height();
    var bodywidth = $(window).width();

    var containerHeight= bodyheight-152;
    var panelHeight = containerHeight-20;

    var right = bodywidth-260;
    $(".bordered").height(panelHeight+'px');
    $("#content").height(containerHeight+'px');
    $('#right_panel').width(right+'px');
});

```

```

        $("#province").change(function(){
            var province=$("#province").val();
            console.log(province);

            var string = $.ajax({
                type: "POST",
                url: site_url+"BHCadmin/register/getMunicipality",
                async: false,
                data: {"province":province},
                dataType: "JSON",
            }).responseText; //end ajax function

            var m=JSON.parse(string);

            $('#municipality').empty();

            var option = $('<option></option>').attr("value", 0).text('Select City/Municipality');
            $('#municipality').append(option);

            $.each(m, function(index, municipality){
                var option = $('<option></option>').attr("value", municipality.id).text(municipality.name);
                $('#municipality').append(option);
            });

        }); //end change function

        $('#municipality').change(function(){

            var m=$('#municipality').val();
            console.log('municipality:'+m);
            /*
             * We have to check if a mun is selected.
             */
            if(m==0){
                $('#municipality').css('background-color','#fffffa0');
                return false;
            }

            $('#municipality').css('background-color','#fff');

        });

        $('form[name="thisform"]').submit(function(event){
            event.preventDefault();
            var municipality=$('#municipality').val();
            var m=$('#OPTmonth').val();
            var y=$('#OPTyear').val();

            printOPT(m,y,municipality);

            return false;
        });
    }); //end document function

    function printOPT(m, y, municipality){

        if(municipality==0){
            alert('Please select a municipality.');
            return false;
        }
        if(municipality==-1){
            alert('Please select a province first followed by a municipality.');
            return false;
        }

        console.log(m);
        if(m==-1){
            alert('Please provide a month.');
            $('#month').focus();
            return false;
        }
        if(y==-1){
            alert('Please provide a year.');
            $('#year').focus();
            return false;
        }

    }

```

```

var string = $.ajax({
    type: "POST",
    url: site_url+"admin/viewOPTResults/getMunID",
    async: false,
    dataType: "json",
    data: {'month':m, 'year': y}
}).responseText;

var date=JSON.parse(string);

if(date.id==null || date.municipality_id != municipality){
    alert('No OPT data found for #' + $( "#municipality option:selected" ).text() + ", " + m + ' ' + y + '!');
}

return false;
}

console.log(municipality);
var string=$.ajax({
    type: "POST",
    async: false,
    url: site_url+"admin/viewOPTResults/getOPT",
    dataType: "json",
    data: {"date":date.id, "municipality": municipality}
}).responseText;

var string2=$.ajax({
    type: "POST",
    async: false,
    url: site_url+"admin/viewOPTResults/getMunInfo",
    dataType: "json",
    data: {"date":date.id, "municipality": municipality}
}).responseText;

var opt=JSON.parse(string);
var info=JSON.parse(string2);

var heading=<h3>Operation Timbang Results for the month of '+m+' '+y+'<br><br>';
var div=$(<div style="width: 850px; margin: auto !important;"></div>).addClass('table-container panel panel-default');
var table=$(<table style="width: 100%; margin: auto;"></table>).addClass('tbl-heading');

var tbody=$(<tbody></tbody>');
table.append(tbody);
var row=$(<tr></tr>');
row.append($(<th class="th-maroon">City/Municipality:</th><td>' + opt.name + '</td>'));
row.append($(<th class="th-maroon">Est. population:</th><td>' + opt.est_pop + '</td>'));
tbody.append(row);

row=$(<tr></tr>');
row.append($(<th class="th-maroon">Elligible population:</th><td>' + opt.elligible_pop + '</td>'));
row.append($(<th class="th-maroon">Coverage(%):</th><td>' + opt.success_rate + '% </td>'));
tbody.append(row);

div.append(table);

$('#right_panel').html(heading);
$('#right_panel').append(div);

getTable("Height for Age", 1, 4, municipality, info, opt.child_pop);
getTable("Weight for Age", 5, 8, municipality, info, opt.child_pop);
getTable("Weight for Height", 9, 13, municipality, info, opt.child_pop);

}

function getTable(header, f, l, municipality_id, munInfo, pop){ //f= 1st index, l=last index
    var mal=new Array("Severely Stunted", "Stunted", "Normal", "Tall", "Severely Underweight", "Underweight", "Normal", "Overweight", "Severely Wasted", "Wasted", "Normal", "Overweight", "Obese", "N/A");

    var div=$(<div style="width: 900px; margin: auto !important;"></div>).addClass('table-container panel panel-default');
    var table=$(<table style="width: 100%; margin: auto; font-size: 14px;"></table>).addClass('tbl-heading table-opt table');
}

div.append(table);

```

```

var tbody=$('<tbody></tbody>');
table.append(tbody);

var header=$( "<br><br><h3>" + header + "</h3><br>" );
var row1=$("<tr></tr>");
row1.append("<th rowspan=2 style='width: 200px;' ><br>Status</th>");
row1.append("<th colspan=2>0-5 months</th>");
row1.append("<th colspan=2>6-11 months</th>");
row1.append("<th colspan=2>12-23 months</th>");
row1.append("<th colspan=2>24-35 months</th>");
row1.append("<th colspan=2>36-47 months</th>");
row1.append("<th colspan=2>48-59 months</th>");
row1.append("<th colspan=2>60-71 months</th>");

var row2=$("<tr></tr>");
for(var i=0; i<7; i++){
    row2.append("<td>Boys</td><td>Girls</td>");
}
tbody.append(row1);
tbody.append(row2);

$('#right_panel').append(header);
$('#right_panel').append(div);

for(var i=f; i<=l; i++){
    //total

    var row=$("<tr></tr>")
    row.append(" <td style='color: #800000;font-weight:bold;'>" + mal[i] + "</td>");

    for(k=1; k<=14; k++){
        row.append(" <td>" + munInfo[i][k] + "</td>");
    }
    tbody.append(row);
} //end for

var total=new Array();
//total calculation per age and sex
for(i=1; i<=14; i++){ //age group, boy and girl
    total[i]=parseInt(0);
    for(j=f; j<=l; j++){ //index
        total[i]+=parseInt(munInfo[j][i]);
        console.log('total i:' + total[i]);
    }
}

var overTotal=new Array();
var overPrev=new Array();
//overall total and prev calculation pero age group
for(i=1, j=1; i<=13; j++, i+=2){
    overTotal[j]=0;
    overTotal[j]+=total[i];
    overTotal[j]+=total[i+1];
    console.log("overTotal=" + overTotal[j] + " total[i]=" + total[i] + " total[i+1]=" + total[i+1] );
    if(pop==0)
        overPrev[j]=0;
    else
        overPrev[j]=((overTotal[j]/pop)*100).toFixed(2);
}

//add total row
var row=$("<tr style='font-weight: bold;'></tr>")
row.append(" <th>Total</th>");

for(i=1; i<=14; i++){
    row.append(" <td style='color:#800000;'>" + total[i] + "</td>");
}
tbody.append(row);

```

```

//add overall total row
var row=$("<tr style='font-weight: bold'></tr>")
row.append("<th>Overall Total</th>");

for(i=1; i<=7; i++){
    row.append("<td style='color:#800000; colspan=2>" + overTotal[i] + "</td>");
}
tbody.append(row);

//add overall prevalence row
var row=$("<tr style='font-weight: bold'></tr>")
row.append("<th>Overall Prev(%)</th>");

for(i=1; i<=7; i++){
    row.append("<td style='color:#800000; colspan=2>" + overPrev[i] + "%</td>");
}
tbody.append(row);

return true;
}

</script>

//views/BHCadmin/editBarangay_view.php

<div id='content' class='bordered container' style='width:100%; overflow: auto'>

<div id='left_panel' class='bordered panel panel-default left' style='left: 10px; width: 200px;'>
    <div id='editBarangayDiv' style='margin: auto; text-align: left; font-size: 10px'>
        <div class='panel-title' style='text-align: center; width: 100%;><h4>Instructions:</h4></div>
        1. Select a barangay.<br>
        2. Edit the barangay information.<br>
        3. Click save.<br>
        <br>
    </div>
    <form id='editBarangayForm'>
        <select class='form-control' id='barangay'>
            <option value=0>Select Barangay</option>
            <?php
                for($i=0; $i<count($barangay['name']); $i++) {
                    echo "<option value='".$barangay['id'][$i]."'>".$barangay['name'][$i]."</option>";
                }
            ?>
        </select>
        <br><br>
        <input type='submit' value="Submit" id='submit' name='submit' class='btn btn-primary' style="width: 150px">
    </form>
</div>

<div id='right_panel' class='bordered panel panel-default right' style='right: 210px;'>
    <br><br><br>
    Please select a barangay to edit.
</div>

<script language="javascript">
var site_url='<?php echo site_url(); ?>';
var temp='<?php echo json_encode($bhw_names); ?>';
var bhw_names={};

var date_name;
temp=JSON.parse(temp);

// for the window resize
$(window).resize(function() {
    var bodyheight = $(window).height();
    var bodywidth = $(window).width();

    var containerHeight= bodyheight-152;
    var panelHeight = containerHeight-20;

    var right = bodywidth-250;

    $(".bordered").height(panelHeight+'px');
    $("#content").height(containerHeight+'px');
});

```

```

        $('#right_panel').width(right+'px');
    });

    $(document).ready(function(){
        var bodyheight = $(window).height();
        var bodywidth = $(window).width();

        var containerHeight= bodyheight-152;
        var panelHeight = containerHeight-20;

        var right = bodywidth-250;
        $(".bordered").height(panelHeight+'px');
        $("#content").height(containerHeight+'px');
        $('#right_panel').width(right+'px');

        for(var i=0; i<temp.username.length; i++){
            bhw_names[temp.id[i]]=temp.username[i];
        }

        $('#editBarangayForm').bind('submit',function(event){
            event.preventDefault();
            console.log(bhw_names);
            var barangay=$('#editBarangayForm #barangay').val();
            console.log('changed! b=' +barangay);

            var string = $.ajax({
                type: "POST",
                url: site_url+"BHCadmin/editBarangay/editInfo",
                async: false,
                dataType: "json",
                data: {'barangay_id': barangay}
            }).responseText;

            var info=JSON.parse(string);

            console.log(bhw);
            var heading='<br><br><h3>Edit Barangay Info<br><br>';
            var div=$(<div style="width: 250px; margin: auto !important;">').addClass('table-container panel
panel-default');

            var form=$(<form id="editForm2"></form>);

            $('#right_panel').html(heading);
            $('#right_panel').append(div);
            div.append(form);

            form.append('<center><label>Select BHW:</label></center>');
            var select=$(<select class="form-control" id="bhw"></select>');
            select.append($(<option value='+info.bhw_id+'>' +bhw_names[info.bhw_id]+ '</option>'));
            for(var i=0; i<temp.username.length; i++){
                if(i==info.bhw_id)
                    continue;
                select.append($(<option value='+temp.id[i]+'+temp.username[i]+ '</option>'));
            }

            $('#right_panel #bhw').val(info.bhw_id);

            form.append(select);
            form.append('<center><label>Barangay name:</label></center>');
            form.append($(<input type="text class="form-control" name="bname" id=bname placeholder="Barangay
Name" value="'+info.name+'" required/>'))
            form.append($(<br><br><input type="submit value="Submit" id=submit name=submit class="btn btn-
primary" style="width: 150px">'));
        });

        $('#right_panel').on('submit', '#editForm2', function (event) {
            event.preventDefault();
            var barangay_id=$('#editBarangayForm #barangay').val();
            var barangay=$('#right_panel #bname').val();
            var bhw=$('#right_panel #bhw').val();

            console.log('barangay:' +barangay+ ' bhw:' +bhw);

            var string = $.ajax({
                type: "POST",
                url: site_url+"BHCadmin/editBarangay/savebarangayInfo",
                async: false,
                dataType: "json",
                data: {'barangay_id': barangay_id, 'bhw_id': bhw, 'barangay': barangay}
            }).responseText;
        });
    });

```

```

        var temp=JSON.parse(string);
        if(temp.result){
            alert('Barangay information saved.');
            location.reload();
        }
        else{
            alert('Error in saving to database.');
        }
    });
});

}); //end document function


```

</script>

```

//views/BHCadmin/pdf.php
<html>
    <header>
        <title>Generate BHC Report</title>
    </header>
<?php
    $mal=array("Severely Stunted", "Stunted", "Normal", 'Tall','Severely Underweight', 'Underweight', 'Normal', 'Overweight','Severely Wasted', 'Wasted', 'Normal', 'Overweight', 'Obese', 'N/A');
?>
    <img src='<?php echo base_url('images/header.png'); ?>'>
    <br>
    Nutritional Monitoring and Assessment of Children 0-71 Months<br>
    <hr style='color: #800000; size:5px'><br>
    <p style='text-indent:50px; text-align: justify'>This is the generated report for <?php echo $bhc['name']; ?>, <?php echo $bhc['municipality']; ?>, <?php echo $bhc['province']; ?> for the month of <?php echo $date_name; ?>. Out of <?php echo $bhc['eligible_pop']; ?> children,
    <?php echo $bhc['child_pop']; ?> were measured which resulted to a <?php echo $bhc['success_rate']; ?>% success rate for the month. The nutritional assessment of children were based on the 2005 World Health Organization- Child Growth Standards(WHO-CGS).</p>
    <center><h3>BHC Results for <?php echo $date_name; ?></h3></center>
    <table style='width:100%; page-break-inside: avoid;' class="table tbl-heading" border=1 cellpadding=5>
        <tr><td style='font: bold 13px Helvetica;'>BHC Name:</td><td><?php echo $bhc['name']; ?></td>
        <td style='font: bold 13px Helvetica;'>Estimated population:</td><td><?php echo $bhc['est_pop']; ?></td>
        </tr>
        <tr><td style='font: bold 13px Helvetica;'>City/Municipality:</td><td><?php echo $bhc['municipality']; ?></td>
        <td style='font: bold 13px Helvetica;'>Eligible population:</td><td><?php echo $bhc['eligible_pop']; ?></td>
        </tr>
        <tr>
            <td style='font: bold 13px Helvetica;'>Province:</td><td><?php echo $bhc['province']; ?></td>
            <td style='font: bold 13px Helvetica;'>Coverage(%):</td><td><?php echo $bhc['success_rate']; ?>%</td>
        </tr>
    </table><br><br>
    Prepared by:<br>
    <br>
    <?php echo $adminName; ?><br>
    <br>
    Date Retrieved: <?php echo date("F j, Y"); ?>
    <div style='page-break-after: always;'></div>
    <br><center><h3>Height for Age</h3></center><br>

    <?php
    for($i=1; $i<=4; $i++) {
    ?>
        <div style='page-break-inside: avoid;'>
        <table style='width: 100%; margin:auto;font-size: 14px;' cellspacing=0 cellpadding=1 border=1>
            <tr>
                <th colspan=15>Status: <?php echo $mal[$i]; ?></th>
            </tr>
            <tr border=1>
                <th rowspan=2>Barangay</th>
                <th colspan=2>0-5 months</th>

```

```

<th colspan=2>6-11 months</th>
<th colspan=2>12-23 months</th>
<th colspan=2>24-35 months</th>
<th colspan=2>36-47 months</th>
<th colspan=2>48-59 months</th>
<th colspan=2>60-71 months</th>
</tr>
<tr>
<td>Boys</td><td>Girls</td>
<td>Boys</td><td>Girls</td>
<td>Boys</td><td>Girls</td>
<td>Boys</td><td>Girls</td>
<td>Boys</td><td>Girls</td>
<td>Boys</td><td>Girls</td>
<td>Boys</td><td>Girls</td>
</tr>

<?php
foreach($barangay[$i] as $b){ ?>

    <tr>
        <td><?php echo $b['name']; ?></td>
    <?php
    for($j=1; $j<=14; $j++){ ?>
        <td><?php echo $b[$j]; ?></td>
    <?php } ?>
    </tr>

<?php }//end foreach

//total

?>
<tr style='color: #800000;font-weight:bold;'>
<td colspan=1>TOTAL</td>

<?php
foreach($bhclInfo[$i] as $value){ ?>
    <td><?php echo $value; ?></td>
<?php } ?>
</tr>
<?php
$pop=$bhc['child_pop'];
$overTotal=array();
$overPrev=array();
//overall total and prev caluculation pero age group
for($k=1, $j=1; $k<=13; $j++, $k+=2){
    $overTotal[$j]=0;
    $overTotal[$j]+=$bhclInfo[$i][$k];
    $overTotal[$j]+=$bhclInfo[$i][$k+1];
    $overPrev[$j]=round(($overTotal[$j]/$pop)*100, 2);
}
?>

<tr style='color: #800000;font-weight:bold;'><th colspan=1>Overall Total</th>
<?php for($k=1; $k<=7; $k++){ ?>
    <td colspan=2><font color='#800000'><?php echo $overTotal[$k]; ?></font></td>
<?php } ?>
</tr>

<!--add overall prevalence row-->
<tr style='color: #800000;font-weight:bold;'><th>Overall Prev (%)</th>
    <?php for($k=1; $k<=7; $k++){ ?>
        <td colspan=2><font color='#800000'><?php echo $overPrev[$k];
?>%</font></td>
    <?php } ?>
</tr></table><br><br></div>

<?php
} //end outer for

/*
 * Weight for Age
 */
?>
<div style='page-break-after: always;'></div>

```

```

<br><center><h3>Weight for Age</h3></center><br>

<?php for($i=5; $i<=8; $i++){ ?>
<div style='page-break-inside: avoid;'>
<table style='width: 100%; margin:auto;font-size: 14px;' cellspacing=0 cellpadding=1 border=1>
<tr>
<th colspan=15>Status: <?php echo $mal[$i]; ?></th>
</tr>
<tr border=1>
<th rowspan=2>Barangay</th>

<th colspan=2>0-5 months</th>
<th colspan=2>6-11 months</th>
<th colspan=2>12-23 months</th>
<th colspan=2>24-35 months</th>
<th colspan=2>36-47 months</th>
<th colspan=2>48-59 months</th>
<th colspan=2>60-71 months</th>
</tr>
<tr>
<td>Boys</td><td>Girls</td>
<td>Boys</td><td>Girls</td>
<td>Boys</td><td>Girls</td>
<td>Boys</td><td>Girls</td>
<td>Boys</td><td>Girls</td>
<td>Boys</td><td>Girls</td>
<td>Boys</td><td>Girls</td>
</tr>

<?php foreach($barangay[$i] as $b){ ?>
<tr>
<td><?php echo $b['name']; ?></td>

<?php for($j=1; $j<=14; $j++){ ?>
<td><?php echo $b[$j]; ?></td>
<?php } ?>
</tr>

<?php }//end foreach

//total

?>

<tr style='color: #800000;font-weight:bold;'>
<td colspan=1>TOTAL</td>

<?php
foreach($bhclInfo[$i] as $value){ ?>
<td><?php echo $value; ?></td>
<?php } ?>
</tr>

<?php
$pop=$bhc['child_pop'];
$overTotal=array();
$overPrev=array();
//overall total and prev caluculation pero age group
for($k=1, $j=1; $k<=13; $j++, $k+=2){
$overTotal[$j]=0;
$overTotal[$j]+=$bhclInfo[$i][$k];
$overTotal[$j]+=$bhclInfo[$i][$k+1];
$overPrev[$j]=round((($overTotal[$j]/$pop)*100, 2);
}

?>

<tr style='color: #800000;font-weight:bold;'><th colspan=1>Overall Total</th>
<?php for($k=1; $k<=7; $k++){ ?>
<td colspan=2><font color='#800000'><?php echo $overTotal[$k]; ?></font></td>
<?php } ?>
</tr>

<!--add overall prevalence row --&gt;
&lt;tr style='color: #800000;font-weight:bold;'&gt;&lt;th&gt;Overall Prev (%)&lt;/th&gt;
</pre>

```

```

<?php for($k=1; $k<=7; $k++){ ?>
    <td colspan=2><font color='#800000'><?php echo $overPrev[$k]; ?>%</font></td>
<?php } ?>
</tr></table><br><br></div>

<?php }//end outer for

/*
 * Weight for Height
 */
?>
<div style='page-break-after: always;'></div>
<br><center><h3>Weight for Height</h3></center><br>

<?php for($i=9; $i<=13; $i++){ ?>
    <div style='page-break-inside: avoid;'>
        <table style='width: 100%; margin:auto; font-size: 14px; cellspacing=0 cellpadding=1 border=1>
            <tr>
                <th colspan=15>Status: <?php echo $mal[$i]; ?></th>
            </tr>
            <tr border=1>
                <th rowspan=2>Barangay</th>

                <th colspan=2>0-5 months</th>
                <th colspan=2>6-11 months</th>
                <th colspan=2>12-23 months</th>
                <th colspan=2>24-35 months</th>
                <th colspan=2>36-47 months</th>
                <th colspan=2>48-59 months</th>
                <th colspan=2>60-71 months</th>
            </tr>
            <tr>
                <td>Boys</td><td>Girls</td>
                <td>Boys</td><td>Girls</td>
                <td>Boys</td><td>Girls</td>
                <td>Boys</td><td>Girls</td>
                <td>Boys</td><td>Girls</td>
                <td>Boys</td><td>Girls</td>
                <td>Boys</td><td>Girls</td>
            </tr>
            <?php foreach($barangay[$i] as $b){ ?>
                <tr>
                    <td><?php echo $b['name']; ?></td>
                    <?php for($j=1; $j<=14; $j++){ ?>
                        <td><?php echo $b[$j]; ?></td>
                    <?php } ?>
                </tr>
            <?php
        } //end foreach
    //total
?>

<tr style='color: #800000;font-weight:bold;'>
<td colspan=1>TOTAL</td>

<?php
foreach($bhclInfo[$i] as $value){ ?>
    <td><?php echo $value; ?></td>
<?php } ?>
</tr>

<?php
$pop=$bhclInfo['child_pop'];
$overTotal=array();
$overPrev=array();
//overall total and prev calculation pero age group
for($k=1, $j=1; $k<=13; $j++, $k+=2){
    $overTotal[$j]=0;
    $overTotal[$j]+=$bhclInfo[$i][$k];
    $overTotal[$j]+=$bhclInfo[$i][$k+1];
    $overPrev[$j]=round((($overTotal[$j])/$pop)*100, 2);
}
}

```

```

?>

<tr style='color: #800000;font-weight:bold;'><th colspan=1>Overall Total</th>
<?php for($k=1; $k<=7; $k++){ ?>
    <td colspan=2><font color='#800000'><?php echo $overTotal[$k]; ?></font></td>
<?php } ?>
</tr>

<!--add overall prevalence row -->
<tr style='color: #800000;font-weight:bold;'><th>Overall Prev (%)</th>
<?php for($k=1; $k<=7; $k++){ ?>
    <td colspan=2><font color='#800000'><?php $overPrev[$k]; ?>%</font></td>
<?php } ?>
</tr></table><br><br></div>

<?php }//end outer for ?>

</html>

//views/BHCadmin/registerBHC_view.php
<script language="javascript">
var polygonpoints="";
function validateForm(form){

    var mun=form.municipality.value;
    if(mun==0){
        alert('Please select a municipality.');
        return false;
    }
    if(mun==-1){
        alert('Please select a province first followed by a municipality.');
        return false;
    }

    var name=document.getElementById('bhcname').value;
    if(name.length==0){
        alert('Please provide a name for your Barangay Health Center.');
        return false;
    };

    alert('Your Barangay Health Center has been saved for approval. Please provide your personal information as BHC admin.');

    return true;
}//end validateForm

$(document).ready(function(){
    function getZoomByBounds( map, bounds ){
        var MAX_ZOOM = map.mapTypes.get( map.getMapTypeId() ).maxZoom || 21 ;
        var MIN_ZOOM = map.mapTypes.get( map.getMapTypeId() ).minZoom || 0 ;

        var ne= map.getProjection().fromLatLngToPoint( bounds.getNorthEast() );
        var sw= map.getProjection().fromLatLngToPoint( bounds.getSouthWest() );

        var worldCoordWidth = Math.abs(ne.x-sw.x);
        var worldCoordHeight = Math.abs(ne.y-sw.y);

        //Fit padding in pixels
        var FIT_PAD = 40;

        for( var zoom = MAX_ZOOM; zoom >= MIN_ZOOM; --zoom ){
            if( worldCoordWidth*(1<<zoom)+2*FIT_PAD < $(map.getDiv()).width() &&
                worldCoordHeight*(1<<zoom)+2*FIT_PAD < $(map.getDiv()).height() )
                return zoom;
        }
        return 0;
    }

    $('#registerBHCForm #province").change( function(){
        console.log("province changed");
        polygonpoints="";
        var province=$('#registerBHCForm #province").val();
        console.log(province);
        var string=$.ajax({

```

```

        type: "POST",
        async: false,
        cache: false,
        url: "BHCadmin/register/getMunicipality",
        dataType: "JSON",
        data: {"province":province}
    }).responseText;

        $("#registerBHCForm #municipality").empty();
        var mun=JSON.parse(string);
        console.log(mun);
        $("#registerBHCForm #municipality").append("<option value='-1'>Select a
City/Municipality</option>");

        $(mun).each(function( index, m ) {
            $("#registerBHCForm #municipality").append("<option
value='"+m.id+"'>"+m.name+"</option>");
        });
    });

    $("#registerBHCForm #municipality").change( function(){
        polygonpoints="";
        var mun_id=$("#registerBHCForm #municipality").val();
        console.log('mun id:' + mun_id);
        if(mun_id== -1){
            $("#registerBHCForm #municipality").css('background-color', '#fffffa0'
);
        }
        else{
            $("#registerBHCForm #municipality").css('background-color', '#fff' );
        }
    });

    var pro=$( "option:selected", "#registerBHCForm #province").text();
    var mun=$( "option:selected", "#registerBHCForm #municipality").text();

    mun.replace('City', '');
    var temp = new Array();

    $.get("http://nominatim.openstreetmap.org/search?q="+mun+", "+pro+",philippines&format=xml&polygon=1",
        function(data) {
            var bb=$ (data).find('place').attr('boundingbox');
            temp = bb.split(",");
            var sw = new google.maps.LatLng(temp[2], temp[0]); //any lat,lng pair
            var ne = new google.maps.LatLng(temp[3], temp[1]);

            var GLOBE_WIDTH = 256; // a constant in Google's map projection
            var west = parseFloat(temp[2]);
            var east = parseFloat(temp[3]);
            //alert(temp[0]+','+east);

            var ang = east - west;
            if (ang < 0) {
                ang+= 360;
            }
            var zoom = Math.round(Math.log((540 * 360)/ ang / GLOBE_WIDTH) / Math.LN2);
            zoom=zoom-1;
            console.log('zoom level=' + zoom);
            $('#mapimage').html(
                '
');
        });
    });

    });

    </script>
<!--<?php echo form_open('BHCadmin/register/saveBHC', array('onsubmit' =>"return validateForm(this)")); ?>
-->
<form id="registerBHCForm">

<div class=info style='margin: auto; width: 600px; height: 400px; text-align: center;'>
<center><h2>Register a Barangay Health Center</h2></center>
<select class="form-control" style="width: 30%; display: inline; background-color: #fff"
name="province" id="province">
<option value=0>Select Province</option>
<?php

```

```

        for($i=0; $i<count($province['name']); $i++){
            echo "<option
value=\"$province['id'][$i].\">$province['name'][$i].</option>";
        }
    ?>
</select>
<div id="muniDiv" style="width: 30%; display: inline;">
    <select class="form-control" style="width: 30%; display: inline; background-color:
#fffffa0" id="municipality" name="municipality">
        <option value=-1>Select Province First</option>
    </select>
</div>
<input style="width: 30%; display: inline;" class="form-control" TYPE = "text" name=bhcname
value=<?php echo set_value('bhcname', ''); ?>" id="bhcname" placeholder="BHC Name" SIZE=40 required>
<br><br>
<div id=mapimage style="margin:auto; width: 540px; height: 290px;box-shadow: 1px 1px 1px 1px #757575;
background-color: #EEE8E8;">
    <br><br>Select the province and municipality.
</div>
<br>
<!--end div for map info-->
<INPUT class="btn btn-primary" style="border-style:none; width: 150px' TYPE = "submit" name="submit"
value = "Register BHC">
<a role="button" class="btn btn-default" id='cancelRegisterBHC' role='button' href="#">Cancel</a><br>
</div>
</form>

```

```

//views/BHCAadmin/viewBHC_view.php

<div id='content' class='bordered container' style='width:100%; overflow: auto'>

    <div id='left_panel' class='bordered panel panel-default left' style='left: 10px; width: 200px;'>
        <div id="datesDiv" style="margin: auto; text-align: left; font-size: 10px">
            <div class='panel-title' style='text-align: center; width: 100%;'><h4>Instructions:</h4></div>
            1. Provide the month and year of OPT.<br>
            2. Click submit.<br>
            <br>
        </div>
        <form id='viewBHCForm'>
            <h3>Date</h3>
            <select class='form-control' name="month" id="OPTmonth" >
                <option value=-1>Month</option>
                <option value='January'>January</option>
                <option value='February'>February</option>
                <option value='March'>March</option>
                <option value='April'>April</option>
                <option value='May'>May</option>
                <option value='June'>June</option>
                <option value='July'>July</option>
                <option value='August'>August</option>
                <option value='September'>September</option>
                <option value='October'>October</option>
                <option value='November'>November</option>
                <option value='December'>December</option>
            </select>
            <select class='form-control' name='year' id='OPTyear'>
                <option value=-1>Year</option>
                <?php for($i=date('Y').trim(); $i>=1970; $i--) {?>
                    <option value="<?php echo $i; ?>"> <?php echo $i; ?></option>
                <?php }?>
            </select><br><br>
            <input type=submit value="Submit" id=submit name=submit class='btn btn-primary' style="width: 150px">
        </form>
    </div>
    <div id='right_panel' class='bordered panel panel-default right' style='right: 210px;'>
        <br><br><br>
        Please provide the date of OPT.
    </div>

```

```

<script language="javascript">
var site_url='<?php echo site_url(); ?>';
var date_name;

// for the window resize
$(window).resize(function() {
    var bodyheight = $(window).height();
    var bodywidth = $(window).width();

    var containerHeight= bodyheight-152;
    var panelHeight = containerHeight-20;

    var right = bodywidth-260;

    $(".bordered").height(panelHeight+'px');
    $("#content").height(containerHeight+'px');
    $('#right_panel').width(right+'px');
});

$(document).ready(function(){
    var bodyheight = $(window).height();
    var bodywidth = $(window).width();

    var containerHeight= bodyheight-152;
    var panelHeight = containerHeight-20;

    var right = bodywidth-260;
    $(".bordered").height(panelHeight+'px');
    $("#content").height(containerHeight+'px');
    $('#right_panel').width(right+'px');

    /*

     * Check for GET variables
     */
    var temp = location.search.replace('?', " ").split('&').map(function(val){
        return val.split('=');
    });

    if(temp[0][0]=='m' && temp[1][0]=='y'){
        console.log('GET variables!');
        $('#viewBHCForm #OPTmonth').val(temp[0][1]);
        $('#viewBHCForm #OPTyear').val(temp[1][1]);
        printBHC(temp[0][1],temp[1][1]);
    }

    $('#viewBHCForm').submit(function(event){
        event.preventDefault();
        var m=$('#viewBHCForm #OPTmonth').val();
        var y=$('#viewBHCForm #OPTyear').val();

        printBHC(m,y);
    });
}

$('body').on('click','#getPDF', function(){
    popupWindow = window.open(
        site_url+'BHCadmin/getPDF',
        'PDF Viewer',
        'height=700,width=800,left=10,top=10,resizable=yes,scrollbars=yes,toolbar=yes,menubar=no,location=no,directories=no,status=yes'
    );
});

}); //end document function

function printBHC(m,y){
    if(m==-1){
        alert('Please provide a month.');
        $('#OPTmonth').focus();
        return false;
    }
    if(y==-1){
        alert('Please provide a year.');
        $('#OPTyear').focus();
        return false;
    }
    date_name=m+' '+y;
}

```

```

var string = $.ajax({
    type: "POST",
    url: site_url+"BHCadmin/viewBHC/getDateID",
    async: false,
    dataType: "json",
    data: {'date': date_name}
}).responseText;

var date=JSON.parse(string);

if(date.id==null){
    alert('No OPT data found for '+date_name+'!');
    return false;
}

var string = $.ajax({
    type: "POST",
    url: site_url+"BHCadmin/viewBHC/getBHC",
    async: false,
    dataType: "json",
    data: {'date':date.id}
}).responseText;

var bhc=JSON.parse(string);

var heading=<br><br><h3>Operation Timbang Results for the month of '+date_name+'<br><br>';
var div=$(<div style="width: 900px; margin: auto !important;"></div>).addClass('table-container panel
panel-default');

var table=$(<table style="width: 100%; margin: auto;"></table>).addClass('table tbl-heading');

var tbody=$(<tbody></tbody>');
table.append(tbody);
var row=$(<tr></tr>');
row.append($(<th class="th-maroon">City/Municipality:</th><td>' +bhc.name+ '</td>');
row.append($(<th class="th-maroon">Est. population:</th><td>' +bhc.est_pop+ '</td>');
tbody.append(row);

row=$(<tr></tr>');
row.append($(<th class="th-maroon">Eligible population:</th><td>' +bhc.elligible_pop+ '</td>');
row.append($(<th class="th-maroon">Coverage(%):</th><td>' +bhc.success_rate+'%' </td>'));
tbody.append(row);

div.append(table);

$('#right_panel').html('<a role=button class="btn btn-primary" id="getPDF" style="width:100px; height: 20px; padding:3px; font: normal 12px Helvetica; float:left !important; margin-left:20px; margin-top: 20px;">Generate PDF</a>');
$('#right_panel').append(heading);
$('#right_panel').append(div);

var string = $.ajax({
    type: "POST",
    url: site_url+"BHCadmin/viewBHC/getBHCinfo",
    async: false,
    dataType: "json",
    data: {'date':date.id}
}).responseText;

var info=JSON.parse(string);

getTable("Height for Age", 1, 4, date_name, info, bhc.child_pop);
getTable("Weight for Age", 5, 8, date_name, info, bhc.child_pop);
getTable("Weight for Height", 9, 13, date_name, info, bhc.child_pop);

}

function getTable(header, f, l,date, bhcinfo, pop){ //f= 1st index, l=last index
var mal=new Array('','Severely Stunted', 'Stunted', 'Normal', 'Tall', 'Severely Underweight', 'Underweight', 'Normal',
'Overweight', 'Severely Wasted', 'Wasted', 'Normal', 'Overweight', 'Obese', 'N/A');

var header=$(<br><br><h3>"+header+"</h3><br>");
$('#right_panel').append(header);

for(var k=f; k<=l; k++){
    var div=$(<div style="width: 900px; margin: auto !important;"></div>).addClass('table-container panel
panel-default');

```

```

var table=$("<table style='width: 100%; margin: auto; font-size: 14px;'></table>").addClass('tbl-heading')
table-opt table ');

div.append(table);

var tbody=$('<tbody></tbody>');

table.append(tbody);

$('#right_panel').append(div);
$('#right_panel').append('<br>');

var row=$("<tr></tr>");
row.append("<th colspan=16>Status: "+mal[k]+"</th>");
tbody.append(row);

var row=$("<tr></tr>");
row.append("<th rowspan=2 colspan=2>Barangay</th>");
row.append("<th colspan=2>0-5 months</th>");
row.append("<th colspan=2>6-11 months</th>");
row.append("<th colspan=2>12-23 months</th>");
row.append("<th colspan=2>24-35 months</th>");
row.append("<th colspan=2>36-47 months</th>");
row.append("<th colspan=2>48-59 months</th>");
row.append("<th colspan=2>60-71 months</th>");
tbody.append(row);

var row=$("<tr></tr>");
for(var i=0; i<7; i++){
    row.append("<td>Boys</td><td>Girls</td>");
}
tbody.append(row);

var string = $.ajax({
    type: "POST",
    url: site_url+"BHCadmin/viewBHC/getBrgyPerIndex",
    async: false,
    dataType: "json",
    data: {'date':date, 'index': k}
}).responseText;

var barangay=JSON.parse(string);

$.each(barangay, function(index, b){
    var row=$("<tr></tr>");
    row.append("<td colspan=2>" +b.name+"</td>");

    for(var a=1; a<=14; a++){
        row.append("<td>" +b[a]+"</td>");
    }

    tbody.append(row);
});

//TOTAL
var row=$("<tr style='font-weight: bold;'></tr>")
row.append("<th colspan=2>Total</th>");

$.each(bhcInfo[k], function(index, val){
    row.append("<td style='color:#800000;'>" +val+"</td>");
});
tbody.append(row);

var overTotal=new Array();
var overPrev=new Array();
//overall total and prev calculation per age group
for(i=1, j=1; i<=13; j++, i=2){
    overTotal[j]=0;
    overTotal[j]+=parseInt(bhcInfo[i][k]);
    overTotal[j]+=parseInt(bhcInfo[i][k+1]);
    if(pop==0)
        overPrev[j]=0;
    else
        overPrev[j]=((overTotal[j]/pop)*100).toFixed(2);
}

```

```

//add overall total row
var row=$("<tr style='font-weight: bold'></tr>")
row.append("<th colspan=2>Overall Total</th>");

for(i=1; i<=7; i++){
    row.append("<td style='color:#800000;' colspan=2>" + overTotal[i] + "</td>");
}
tbody.append(row);

//add overall prevalence row
var row=$("<tr style='font-weight: bold'></tr>")
row.append("<th colspan=2>Overall Prev(%)</th>");

for(i=1; i<=7; i++){
    row.append("<td style='color:#800000;' colspan=2>" + overPrev[i] + "%</td>");
}
tbody.append(row);
}

return true;
}

</script>

//views/BHCadmin/viewBHW_view.php
<div id='content' class='bordered container' style='width:100%; overflow: auto'>
    <div id='left_panel' class='bordered panel panel-default left' style='left: 10px; width: 200px;'>
        <h3>Barangay Health Worker</h3>
        <div id='name' name=dates style="margin: auto; width:100%; text-align: center;">
            <?PHP
            for($i=0; $i<count($bhw['name']); $i++) {?>
                <a role='button' class='btn btn-primary bhw' id='<?php echo $bhw["id"][$i]; ?>' style='width: 160px; margin:5px;'><?php echo $bhw['surname'][$i]. ','.$bhw['name'][$i]; ?></a><br>
            <?php
            }
        ?>
        </div>
    </div>

    <div id='right_panel' class='bordered panel panel-default right' style='right: 210px;'>
        <br><br><br>
        Please select a Barangay Health Worker to view.
    </div>
</div>

<script name="text/javascript">

// for the window resize
$(window).resize(function() {
    var bodyheight = $(window).height();
    var bodywidth = $(window).width();

    var containerHeight = bodyheight - 152;
    var panelHeight = containerHeight - 20;

    var right = bodywidth - 260;
    $("#content").height(containerHeight + 'px');
    $(".panel").height(panelHeight + 'px');
    $('#right_panel').width(right + 'px');
});

$(document).ready(function(){
    var site_url='<?php echo site_url(); ?>';
    var bodyheight = $(window).height();
    var bodywidth = $(window).width();

    var containerHeight = bodyheight - 152;
    var panelHeight = containerHeight - 20;

    var right = bodywidth - 260;
    $("#content").height(containerHeight + 'px');
    $(".panel").height(panelHeight + 'px');
    $('#right_panel').width(right + 'px');

    $('.bhw').bind('click', function(){

```

```

$('.btn-clicked').removeClass('btn-clicked');
$(this).addClass('btn-clicked');

var id=$(this).attr('id');
console.log('bhw id:' + id);

var string=$.ajax({
    type: "POST",
    async: false,
    url: site_url+"BHCadmin/viewBHW/getBHW",
    dataType: "json",
    data: {"bhw_id":id}

}).responseText;

var data=JSON.parse(string);

console.log(data);

var heading='<br><h3>Barangay Health Worker Information<br>';
var div=$('<div style="width: 650px; height: 300px; margin: auto;"></div>').addClass('table-container panel
panel-default');

var table=$('<table style="width: 100%; margin: auto; border-width: 1px;"></table>').addClass('tbl-heading
table-opt table ');

var tbody=$('<tbody></tbody>');
var row=$('<tr></tr>');
var col1=$('<td style="width: 420px; border: none"></td>');
var col2=$('<td style="border: none"></td>');

var table=$('<table style="width: 100%; margin: auto;"></table>').addClass('table tbl-heading table-opt');
var tbody=$('<tbody></tbody>');

div.append(table);
table.append(tbody);
tbody.append(row);
row.append(col1);
row.append(col2);

$('#right_panel').html(heading);
$('#right_panel').append(div);

//Personal details
var description=$('<table style="width: 100%; margin: auto; border-width: 1px;"></table>').addClass('tbl-
heading table-opt table ');
var tbody=$('<tbody></tbody>');
col1.append(description);
description.append(tbody);

var row=$('<tr></tr>');
row.append($('<th class="th-maroon" colspan=2>PERSONAL DETAILS</th>'));
tbody.append(row);

var row=$('<tr></tr>');
row.append($('<th class="th-maroon" style="font-weight: normal;">Name:</th><td>' + data.name +
'+data.surname + '</td>'));
tbody.append(row);

var row=$('<tr></tr>');
row.append($('<th class="th-maroon" style="font-weight: normal;">Email:</th><td>' + data.email +
'</td>'));
tbody.append(row);

var row=$('<tr></tr>');
row.append($('<th class="th-maroon" style="font-weight: normal;">Number:</th><td>' + data.number +
'</td>'));
tbody.append(row);

//barangays assigned

var temp=$('<table style="width: 100%; margin: auto; border-width: 1px;"></table>').addClass('tbl-heading
table-opt table ');
var tbody=$('<tbody><tr><th class="th-maroon" colspan=2>BARANGAYS</th></tr></tbody>');
col2.append(temp);
temp.append(tbody);

var div=$('<div style="width:100%; height: 220px; margin: auto; overflow: auto"></div>').addClass('table-
container panel panel-default');

var bar=$('<table style="width: 100%; margin: auto; border:none"></table>').addClass('tbl-heading table-
opt table ');

```

```

        var tbody=$('<tbody></tbody>');
        col2.append(div);
        div.append(bar);
        bar.append(tbody);

        $.each(data.barangay, function(key, value){
            var row=$('<tr style="margin: auto"></tr>');
            row.append($('  |
```

```

<script language="javascript">
var site_url='<?php echo site_url(); ?>';
var date_name;

// for the window resize
$(window).resize(function() {
    var bodyheight = $(window).height();
    var bodywidth = $(window).width();

    var containerHeight= bodyheight-152;
    var panelHeight = containerHeight-20;

    var right = bodywidth-250;

    $(".bordered").height(panelHeight+'px');
    $("#content").height(containerHeight+'px');
    $('#right_panel').width(right+'px');
});

$(document).ready(function(){
    var bodyheight = $(window).height();
    var bodywidth = $(window).width();

    var containerHeight= bodyheight-152;
    var panelHeight = containerHeight-20;

    var right = bodywidth-250;
    $(".bordered").height(panelHeight+'px');
    $("#content").height(containerHeight+'px');
    $('#right_panel').width(right+'px');

    $('#addOPTForm').submit(function(event){
        event.preventDefault();
        var m=$('#AddOPTForm #OPTmonth');
        var y=$('#AddOPTForm #OPTyear');
        var b=$('#AddOPTForm #barangay');

        getAddOPTForm(m,y,b);
        return false;
    });
});

}); //end document function

function getAddOPTForm(m,y,b){
    console.log('barangay_id:' + b.val());
    if(b.val() == -1){
        alert('Please select a barangay.');
        b.focus();
        return false;
    }
    if(m.val() == -1){
        alert('Please provide a month.');
        m.focus();
        return false;
    }
    if(y.val() == -1){
        alert('Please provide a year.');
        y.focus();
        return false;
    }

    date_name=m.val()+' '+y.val();
    var b_name=$('#addOPTForm #barangay option:selected').text();
    var string = $.ajax({
        type: "POST",
        url: site_url+"BHW/addOPT/getChild",
        async: false,
        data: {'barangay': b.val(), 'month': m.val(), 'year': y.val()},
        dataType: "json"
    }).responseText;

    var children=JSON.parse(string);

    if(children.result==false){
        alert('All data for this date have been saved.');
        return false;
    }
}

```

```

        }

        $('#right_panel').load('addOPT/addOPTChild', {'data': string, 'month': m.val(), 'year': y.val()});
    }


```

</script>

```

//views/BHW/addOPTChild_view.php
<?php
$stamp=date("F")." ".date("Y");

?>

<h3>Children</h3>
<div>
    <form id="OPTChildForm">
<table width='100%' class="tbl-heading table-opt table">
    <th>Name</th><th>Birthday</th><th>Sex</th><th>Height</th><th>Weight</th>

    <?php
    foreach($result as $child){
        $temp=explode("-", $child['bdy']);
        $monthName = date("F", mktime(0, 0, 0, $temp[1], 10));

        $bdy=$monthName." ".$temp[0];
    ?>
        <tr>
            <td width='30%' style='text-align:left; padding-left:3px;'><?php echo $child['surname'].",
". $child['name'];?></td>
            <td width='10%'><?php echo $bdy; ?></td>
            <td width='5%'><?php echo $child['sex']; ?></td>
            <!--<td width='10%'><?php echo $result['age'][$i]; ?> mos.</td>-->
            <td width='10%'><input class="form-control" style='width: 75%; height: 30px' size='5'
type="number" min=45 step='0.5' maxlength=6 name='height[]'> cm.</td>
            <td width='10%'><input class="form-control" style='width: 75%; height: 30px' size='5'
type="number" maxlength=6 name='weight[]'> kg.</td>
        </tr>
    <?php
    }
?>

    </table>
    <br>
    <INPUT class='btn btn-primary' TYPE = 'submit' value ='Save'>
</form>
</div>

<!--scripts-->

<SCRIPT LANGUAGE="JavaScript">
$(document).ready(function(){
var site_url='<?php echo site_url(); ?>';
var children=JSON.parse('<?php echo json_encode($result); ?>');
var month='<?php echo $month; ?>';
var year='<?php echo $year; ?>';

    $('#OPTChildForm').submit(function(event){
        event.preventDefault();

        console.log('submitted');
        console.log(month+''+year);
        var height=$('#OPTChildForm input[name="height[]"]').map(function() {
            return this;
        }).get();

        var weight=$('#OPTChildForm input[name="weight[]"]').map(function() {
            return this;
        }).get();

        var filled=false;
        for(var i=0; i<height.length; i++){
            if(height[i].value!=" " || weight[i].value!=""){
                filled=true;
                break;
            }
        }
    });
});

```

```

        }//end for loop

        if(filled==false){
            alert("There are no OPT data to be saved.");
            return false;
        }

        for(var i=0; i<height.length; i++){
            if(height[i].value==0 && weight[i].value!=0){
                alert('Height measurement must be filled.');
                height[i].focus();
                return false;
            }
            if(weight[i].value==0 && height[i].value!=0){
                alert('Weight measurement must be filled.');
                weight[i].focus();
                return false;
            }
        }

    }//end for loop

    var height=$('#OPTChildForm input[name="height[]"]').map(function() {
        return this.value;
    }).get();

    var weight=$('#OPTChildForm input[name="weight[]"]').map(function() {
        return this.value;
    }).get();

    var string = $.ajax({
        type: "POST",
        url: site_url+"BHW/addOPT/saveToDB",
        async: false,
        data: {'children': JSON.stringify(children), 'month': month, 'year': year, 'height': height, 'weight': weight},
        dataType: "json"
    }).responseText;

    var data=JSON.parse(string);

    if(data.result){
        alert('OPT data successfully saved.');
        window.location=site_url+'BHW/addOPT';
    }

    return false;
});

```

</SCRIPT>

//views/BHW/generateResults_view.php

```

<?PHP
echo br(3);
echo link_tag('css/view.css');

?>
<form name=thisform>
<div class=brgy style='text-align:center; position: center; width: 530px; height: 300px; margin: 0px auto;'>
    <table style='width: 100%; height:100%;'>
        <th colspan="2">Generate Barangay Results</th>
        <tr style='height: 100%;'>
            <td style='width: 330px; height: 100%;'>
                <div id=view style="text-align: center; float: left; height:300px; width:360px;
overflow: scroll; margin: 1px;">
                    <table style='width:100%; border:none'>
                        <tr><th>Barangay</th>
                            <th>Estimated Pop.</th>
                        <tr>
                            <?PHP
                                for($i=0; $i<count($barangay['id']); $i++) {
                                    echo "<tr><td style='width:175px;
border:none'><label class=maroon style='width: 175px;'><input type=checkbox id='barangay' name='barangay[]'
value='".$barangay['id'][$i]."'"><span>".$barangay['name'][$i]."</span></label><br></td>
                            
```

```

        <td style='border:none'><input
type=text name=estpop[]></td>
        </tr>";
    }
?>

</table>
</div>
</td>
<td style='width: 200px; height:100%'>
<div style='width: 200px;'>
<div style='text-align: left; font-size: 11px;'>
<font size=3></p><b>Instructions:</b></font><br><br>
1. Click on the barangays to be generated.<br>
2. Provide the estimated population for the chosen barangays.<br>
3. Provide the date of the report.<br>
4. Click the 'Generate' button.<br>
</div><br>
<font size=1>
*Selected barangays with no OPT data for the given date
will not be processed. <br><br>
?>>Month</option>
?>>January</option>
'February'); ?>>February</option>
?>>March</option>
?>>April</option>
?>>May</option>
?>>June</option>
?>>July</option>
?>>August</option>
'September'); ?>>September</option>
'October'); ?>>October</option>
'November'); ?>>November</option>
'December'); ?>>December</option>
?>>Year</option>
?>>Year</option>
</select>
<select name=year id=year>
<option value=-1' <?php echo set_select('year', '-1', TRUE);
<?php
for($i=date('Y'); $i>=1970; $i--){
?>
<option value=<?php echo $i;?>" <?php
echo set_select('year', $i); ?>> <?php echo $i; ?></option>
<?php }
?>
</select>
<br><br>
<input type=submit class=submit_button style='width: 100px;
height:35px; font-size:12;' id=generate value='Generate'>
</td>
</tr>
</table>
</div>
</form>
<script language="javascript" src=<?php echo base_url('javascript/jquery.js'); ?>></script>
<script>

```

```

$(document).ready(function(){

    $("input[name='estpop[]']").keyup(
        function () {
            this.style.background='#fff';
        });
    });

    $('form[name="thisform"]').submit(function(event){

        event.preventDefault();

        var barangay=$("input[name='barangay[]']:checked").map(function() { return this.value; }).get();

        if(barangay.length==0){
            alert('Select a barangay first.');
            return false;
        }

        var bar=document.getElementsByName("barangay[]");
        var estpop=document.getElementsByName("estpop[]");
        var estpopvalues=new Array();
        for(i=0; i<bar.length; i++){
            if(bar[i].checked){
                if(estpop[i].value==""){
                    alert('Please provide the estimated population.');
                    estpop[i].focus();
                    estpop[i].style.background='#fffffa0';
                    return false;
                }
                if(!isNaN(estpop[i].value.trim())){
                    alert('Invalid input.');
                    estpop[i].focus();
                    return false;
                }
                estpopvalues.push(estpop[i].value.trim());
            }
        }
        //end for

        var check=checkFields();
        if(check==false){
            return false;
        }

        var year=document.getElementById('year').value.trim();
        var month=capitalize(document.getElementById('month').value);

        var string=$.ajax({
            type: "POST",
            url: "generateResults/processBrgy",
            dataType: "json",
            async: false,
            data: {"barangay": barangay, 'estpop': estpopvalues, 'month': month, 'year': year}
        }).responseText;

        console.log("response:"+string.trim());
        var brgy=JSON.parse(string.trim());
        var b=""; var f=""; var s="";

        if(brgy['successful']){
            s+="Successfully generated reports for the following barangays:\n"
            for(var i=0; i<brgy['successful'].length; i++){
                s+=brgy['successful'][i].name+"\n";
            }
        }

        if(brgy['failed']){
            s+="\nNo data found for the following barangays:\n"
        }
    });
});

```

```

        for(var i=0; i<brgy['failed'].length; i++){
            console.log("here:"+brgy['failed'][i].name);
            s+=brgy['failed'][i].name+"\n";
        }
    }
    alert(s);

    if(brgy['successful']){
        window.location.href="viewBarangay?b="+brgy['view'][0].id+"&m="+month+"&y="+year;
    }
});
});

function isNumber(n) {
    return !isNaN(parseFloat(n)) && isFinite(n);
}

function capitalize(s){
    s=s.toLowerCase().trim();
    return s[0].toUpperCase() + s.slice(1);
}

function checkFields(){
    var validMonths=['January', 'February', 'March', 'April', 'May', 'June', 'July', 'August', 'September', 'October',
    'November', 'December'];
    var year=document.getElementById('year').value.trim();

    var month=capitalize(document.getElementById('month').value);
    console.log('month length:' + month.length);

    if($.inArray(month, validMonths) == -1){
        alert('Please enter a valid month.');
        document.getElementById('month').focus();
        return false;
    }

    var presentYear=new Date().getFullYear();
    if( !isNumber(year) || year <2000 || year > presentYear){
        alert('Please enter a valid year.');
        document.getElementById('year').focus();
        return false;
    }
    return true;
}//end checkFields

```

```

//views/BHW/viewBarangay_view.php

<div id='content' class='bordered container' style='width:100%; overflow: auto>

<div id='left_panel' class='bordered panel panel-default left' style='left: 10px; width: 200px;'>
    <div id=" name=datesDiv style="margin: auto; text-align: left; font-size: 10px">
        <div class='panel-title' style='text-align: center; width: 100%;><h4>Instructions:</h4></div>
        1. Select a barangay.<br>
        2. Provide the month and year.<br>
        3. Click submit.<br>
        <br>
    </div>
</div>

<form id='viewBarangayForm'>

<select class='form-control' id="barangay">
    <option value=0>Select Barangay</option>
    <?php
        for($i=0; $i<count($barangay['name']); $i++){
            echo "<option value='".$barangay['id'][$i]."'>".$barangay['name'][$i]."</option>";
        }
    ?>
</select>

<h3>Date</h3>
<select class='form-control' name="month" id="OPTmonth" >
    <option value=-1'>Month</option>
    <option value='January'>January</option>
    <option value='February'>February</option>
    <option value='March'>March</option>
    <option value='April'>April</option>
    <option value='May'>May</option>

```

```

<option value='June'>June</option>
<option value='July'>July</option>
<option value='August'>August</option>
<option value='September'>September</option>
<option value='October'>October</option>
<option value='November'>November</option>
<option value='December'>December</option>

</select>

<select class='form-control' name='year' id='OPTyear'>
<option value='-1'>Year</option>

<?php for($i=date('Y').trim(); $i>=1970; $i--) {?>
<option value="<?php echo $i; ?>"> <?php echo $i; ?></option>
<?php }?>
</select><br><br>

<input type=submit value="Submit" id=submit name=submit class='btn btn-primary' style="width: 150px">
</form>

</div>

<div id='right_panel' class='bordered panel panel-default right' style='right: 210px;'>
<br><br><br>

    Please provide the barangay and date of OPT.
</div>

<script language="javascript">
var site_url='<?php echo site_url(); ?>';
var date_name;

// for the window resize
$(window).resize(function() {
    var bodyheight = $(window).height();
    var bodywidth = $(window).width();

    var containerHeight= bodyheight-152;
    var panelHeight = containerHeight-20;

    var right = bodywidth-250;

    $(".bordered").height(panelHeight+'px');
    $("#content").height(containerHeight+'px');
    $('#right_panel').width(right+'px');
});

$(document).ready(function(){
    var bodyheight = $(window).height();
    var bodywidth = $(window).width();

    var containerHeight= bodyheight-152;
    var panelHeight = containerHeight-20;

    var right = bodywidth-250;
    $(".bordered").height(panelHeight+'px');
    $("#content").height(containerHeight+'px');
    $('#right_panel').width(right+'px');

    /*
     * Check for GET variables
     */
    var temp = location.search.replace('?', '').split('&').map(function(val){
        return val.split('=');
    });

    if(temp[0][0]=='m' && temp[1][0]=='y' && temp[2][0]=='b'){
        console.log('GET variables!');
        $('#viewBarangayForm #OPTmonth').val(temp[0][1]);
        $('#viewBarangayForm #OPTyear').val(temp[1][1]);
        $('#viewBarangayForm #barangay').val(temp[2][1]);
        printBHC(temp[0][1],temp[1][1], temp[2][1]);
    }

    $('#viewBarangayForm').submit(function(event){
        event.preventDefault();
        var m=$('#viewBarangayForm #OPTmonth').val();
        var y=$('#viewBarangayForm #OPTyear').val();
        var b=$('#viewBarangayForm #barangay').val();
    });
});

```

```

        printBHC(m,y,b);
        return false;
    });

}); //end document function

function printBHC(m,y,b){
    console.log('barangay_id:' + b);
    if(b== -1){
        alert('Please select a barangay.');
        $('#barangay').focus();
        return false;
    }
    if(m== -1){
        alert('Please provide a month.');
        $('#OPTmonth').focus();
        return false;
    }
    if(y== -1){
        alert('Please provide a year.');
        $('#OPTyear').focus();
        return false;
    }

    date_name=m+' '+y;
    var b_name=$('#viewBarangayForm #barangay option:selected').text();
    var string = $.ajax({
        type: "POST",
        url: site_url+"BHW/viewBarangay/getDateID",
        async: false,
        dataType: "json",
        data: {'date': date_name, 'barangay': b}
    }).responseText;

    var date=JSON.parse(string);

    if(date.id==null){
        alert('No OPT data found for '+b_name+' on '+date_name+'.');
        return false;
    }

    var string = $.ajax({
        type: "POST",
        url: site_url+"BHW/viewBarangay/getBarangay",
        async: false,
        dataType: "json",
        data: {'date':date.id, 'barangay': b}
    }).responseText;

    var barangay=JSON.parse(string);

    var heading=<h3>Operation Timbang Results for the month of '+date_name+'<br><br>';
    var div=$(<div style="width: 900px; margin: auto !important;"></div>).addClass('table-container panel
panel-default');

    var table=$(<table style="width: 100%; margin: auto;"></table>).addClass('table tbl-heading');

    var tbody=$(<tbody></tbody>');
    table.append(tbody);
    var row=$(<tr></tr>');
    row.append($(<th class="th-maroon">Barangay:</th><td>' + barangay.name + '</td>');
    row.append($(<th class="th-maroon">Est. population:</th><td>' + barangay.est_pop + '</td>');
    tbody.append(row);

    row=$(<tr></tr>');
    row.append($(<th class="th-maroon">Elligible population:</th><td>' + barangay.elligible_pop + '</td>');
    row.append($(<th class="th-maroon">Coverage(%):</th><td>' + barangay.success_rate + '% </td>');
    tbody.append(row);

    div.append(table);

    $('#right_panel').html(heading);
    $('#right_panel').append(div);

    var string = $.ajax({
        type: "POST",
        url: site_url+"BHW/viewBarangay/getBarangayInfo",
        async: false,

```

```

        dataType: "json",
        data: {'date':date.id, 'barangay': b}
    }).responseText;

    var info=JSON.parse(string);

    getTable("Height for Age", 1, 4, date_name, info, barangay.child_pop);
    getTable("Weight for Age", 5, 8, date_name, info, barangay.child_pop);
    getTable("Weight for Height", 9, 13, date_name, info, barangay.child_pop);

}

function getTable(header, f, l,municipality_id, info, pop){ //f= 1st index, l=last index
    var mal=new Array('Severely Stunted', 'Stunted', 'Normal', 'Tall','Severely Underweight', 'Underweight', 'Normal',
    'Overweight','Severely Wasted', 'Wasted', 'Normal', 'Overweight', 'Obese', 'N/A');

    var div=$('<div style="width: 800px; margin: auto !important;"></div>').addClass('table-container panel panel-default');
    var table=$('<table style="width: 100%; margin: auto; font-size: 14px;"></table>').addClass('tbl-heading table-opt table
');

    div.append(table);

    var tbody=$('<tbody></tbody>');
    table.append(tbody);

    var header=$("<br><br><h3>" +header+ "</h3><br>");
    var row1=$("<tr></tr>");

    row1.append("<th rowspan=2 style='width: 200px;'><br>Status</th>");
    row1.append("<th colspan=2>0-5 months</th>");
    row1.append("<th colspan=2>6-11 months</th>");
    row1.append("<th colspan=2>12-23 months</th>");
    row1.append("<th colspan=2>24-35 months</th>");
    row1.append("<th colspan=2>36-47 months</th>");
    row1.append("<th colspan=2>48-59 months</th>");
    row1.append("<th colspan=2>60-71 months</th>");

    var row2=$("<tr></tr>");
    for(var i=0; i<7; i++){
        row2.append("<td>Boys</td><td>Girls</td>");
    }

    tbody.append(row1);
    tbody.append(row2);

    $('#right_panel').append(header);
    $('#right_panel').append(div);

    for(var i=f; i<=l; i++){

        //total

        var row=$("<tr></tr>");
        row.append("<td style='color: #800000;font-weight:bold;'>" +mal[i]+ "</td>");

        for(k=1; k<=14; k++){
            row.append("<td>" +info[i][k]+ "</td>");
        }

        tbody.append(row);
    }//end for

    var total=new Array();
    //total calculation per age and sex
    for(i=1; i<=14; i++){//age group, boy and girl
        total[i]=parseInt(0);
        for(j=f; j<=l; j++){ //index
            total[i]+=parseInt(info[j][i]);
            console.log('total i:' +total[i]);
        }
    }
}

```

```

var overTotal=new Array();
var overPrev=new Array();
//overall total and prev caluculation pero age group
for(i=1, j=1; i<=13; j++, i+=2){
    overTotal[j]=0;
    overTotal[j]+=total[i];
    overTotal[j]+=total[i+1];
    console.log("overTotal["+j+"] "+ " total[i]="+total[i]+ " total[i+1]="+total[i+1]);
    if(pop==0)
        overPrev[j]=0;
    else
        overPrev[j]=((overTotal[j]/pop)*100).toFixed(2);
}

//add total row
var row=$("<tr style='font-weight: bold'></tr>")
row.append("<th>Total</th>");

for(i=1; i<=14; i++){
    row.append("<td style='color:#800000;'>" + total[i] + "</td>");
}
tbody.append(row);

//add overall total row
var row=$("<tr style='font-weight: bold'></tr>")
row.append("<th>Overall Total</th>");

for(i=1; i<=7; i++){
    row.append("<td style='color:#800000;' colspan=2>" + overTotal[i] + "</td>");
}
tbody.append(row);

//add overall prevalence row
var row=$("<tr style='font-weight: bold'></tr>")
row.append("<th>Overall Prev(%)</th>");

for(i=1; i<=7; i++){
    row.append("<td style='color:#800000;' colspan=2>" + overPrev[i] + "%</td>");
}
tbody.append(row);

return true;
}

</script>

//views/BHW/viewChild_view.php

<div id='content' class='bordered container' style='width:100%; overflow: auto'>

<div id='left_panel' class='bordered panel panel-default left' style='left: 10px; width: 200px;'>
    <div id="datesDiv" style="margin: auto; text-align: left; font-size: 10px">
        <div class='panel-title' style='text-align: center; width: 100%;><h4>Instructions:</h4></div>
        1. Select a barangay.<br>
        2. Select a child to view.<br>
        3. Type in the search box to narrow down search results.<br>
        <br>
    </div>
    <form id='viewChildForm'>
        <select class='form-control' id="barangay">
            <option value=-1>Select Barangay</option>
            <?php
                for($i=0; $i<count($barangay['name']); $i++){
                    echo "<option
value='".$barangay['id'][$i].".$barangay['name'][$i]."</option>";
                }
            ?>
        </select>
        <input type=submit style='margin-top:10px; width: 100%; value="Submit" id=submit name=submit
class='btn btn-primary' style='width: 150px'>
    </form>
    <hr style='border-top: 1px solid #800000; size: 2px !important; margin:10px;'>
    <h4>Children</h4>
    <input class="form-control" type="text" id="search" name="search" placeholder="Search" size="30">
</div>

```

```

<div style='width: 100%; overflow: auto; text-align center' id='childrenDiv'>
    <br><br>Please choose a barangay first.
</div>

</div>

<div id='right_panel' class='bordered panel panel-default right' style='right: 210px;'>
    <br><br><br>

        Please choose a barangay and child to view.
    </div>

<script language="javascript">
var site_url='<?php echo site_url(); ?>';
var date_name;
var barangays=JSON.parse('<?php echo json_encode($barangay); ?>');

console.log(barangays);
// for the window resize
$(window).resize(function() {
    var bodyheight = $(window).height();
    var bodywidth = $(window).width();

    var containerHeight= bodyheight-152;
    var panelHeight = containerHeight-20;

    var right = bodywidth-250;

    $(".bordered").height(panelHeight+'px');
    $("#content").height(containerHeight+'px');
    $('#right_panel').width(right+'px');
});

$(document).ready(function(){
    var bodyheight = $(window).height();
    var bodywidth = $(window).width();

    var containerHeight= bodyheight-152;
    var panelHeight = containerHeight-20;

    var right = bodywidth-250;

    $(".bordered").height(panelHeight+'px');
    $("#content").height(containerHeight+'px');
    $('#right_panel').width(right+'px');

    /*
     * Check for GET variables
     */
    var temp = location.search.replace('?', '').split('&').map(function(val){
        return val.split('=');
    });

    if(temp[0][0]=='m' && temp[1][0]=='y' && temp[2][0]=='b'){
        console.log('GET variables!');
        $('#viewBarangayForm #OPTmonth').val(temp[0][1]);
        $('#viewBarangayForm #OPTyear').val(temp[1][1]);
        $('#viewBarangayForm #barangay').val(temp[2][1]);
        printBHC(temp[0][1],temp[1][1], temp[2][1]);
    }

    $('#viewChildForm').submit(function(event){
        event.preventDefault();
        var b=$('#viewChildForm #barangay').val();
        if(b==-1){
            alert('Please choose a barangay.');
            $('#viewChildForm #barangay').focus();
            return false;
        }

        getBarangayChildren(b);

        return false;
    });

    $('#search').keyup(function () {
        var s=$('#search').val();
    });

```

```

$('.hide').removeClass('hide');
if(s===""){
    return;
}
console.log('search:'+s);
$(".child").each(function() {
    var str=$(this).text();
    if (str.toLowerCase().indexOf(s.toLowerCase()) < 0){
        //search string not found here.
        $(this).addClass('hide');
    }
});
});

$('#childrenDiv').on('click', '.child', function(){
    history.pushState('data', '', site_url+'BHW/viewChild');

    $('#childrenDiv .btn-pressedDown').removeClass('btn-pressedDown');
    var child_id=$(this).attr('id');
    $(this).addClass('btn-pressedDown');
    console.log('child id:' + child_id);

    selected_child_id=child_id;
    printChild(child_id);
});

$('#right_panel').on('click', '.deleteAss', function(){
    var ca_id=$(this).attr('id');
    console.log('delete ca:' + ca_id);

    var c=confirm('Delete this assessment?');
    if(c==false){
        return false;
    }
    var string = $.ajax({
        type: "POST",
        url: site_url+"BHW/viewChild/deleteCA",
        async: false,
        dataType: "json",
        data: {'id': ca_id}
    }).responseText;

    var temp=JSON.parse(string);

    if(temp.result==true){
        alert('Child assessment deleted.');
        printCA(selected_child_id);
    }
    else{
        alert('An error occurred while deleting child assessment.');
    }
    return true;
});

$('#right_panel').on('click', '.deleteChild', function(){
    var id=$(this).attr('id');
    console.log('delete child:' + id);
    selected_child_id="";

    var c=confirm('Are you sure you want to delete this child?');
    if(c==false){
        return false;
    }
    var string = $.ajax({
        type: "POST",
        url: site_url+"BHW/viewChild/deleteChild",
        async: false,
        dataType: "json",
        data: {'id': id}
    }).responseText;

    var temp=JSON.parse(string);

    if(temp.result==true){
        alert('Child deleted.');
    }
});

```

```

        var b=$('#viewChildForm #barangay').val();
        if(b== -1){
            alert('Please choose a barangay.');
            $('#viewChildForm #barangay').focus();
            return false;
        }
        getBarangayChildren(b); //b is barangay id
    }
    else{
        alert('An error occurred while deleting this child.');
    }
    return true;
});

var child_bday;
var child_sex;
$('#right_panel').on('click', '.editChild', function(){
    var child_id=$(this).attr('id');
    selected_child_id=child_id;
    console.log('edit child:' + child_id);

    var string = $.ajax({
        type: "POST",
        url: site_url+"BHW/viewChild/getChildInfo",
        async: false,
        dataType: "json",
        data: {'child_id': child_id}
    }).responseText;

    var child=JSON.parse(string);
    child_bday=child.bday;
    child_sex=child.sex;
    console.log(child);

    var heading='<br><h3>Edit details for '+child.name+' '+child.surname+'<br>';
    var div=$('<div id="editChildDiv" style="width: 950px; margin: auto !important; text-align:center"></div>').addClass('table-container panel panel-default');
    var form=$('<form id="editChildForm" style="width: 100%"></form>');
    div.append(form);
    var table=$('<table style="width: 100%; margin: auto;"></table>').addClass('tbl-heading table-opt table-form-table');
    form.append(table);
    var tbody=$('<tbody></tbody>');
    table.append(tbody);
    var row=$('<tr></tr>');
    row.append($('<th class="th-maroon">Name:</th><td style="" colspan=4><input type="text" style="width: 50%;" class="child-input form-control" name="name" placeholder="Name" value="'+child.name+'" required><input style="width:50%; display:inline;" type="text" class="child-input form-control" name="surname" placeholder="Surname" value="'+child.surname+'" required></td>'));
    tbody.append(row);

    var select=$('<select class="child-input form-control" id=sex name="sex"></select></td>');
    var td=$('<td></td>').append(select);

    var $bdaypicker=$('<input type="text" style="" class="bdayPicker child-input form-control" name="bday" placeholder="Birthday" value="'+child.bday+'"' required readonly>');
    $bdaypicker.datepicker({
        changeMonth: true,
        changeYear: true,
        yearRange:'-10:+30',
        dateFormat: "yy-mm-dd"
    });

    var row=$('<tr></tr>');
    row.append($('<th class="th-maroon">Birthday:</th>')).append($('<td colspan=2></td>').append($bdaypicker));
    row.append($('<th class="th-maroon">Sex:</th>'));
    row.append(td);

    select.append($('<option value="'+child.sex+'">' + child.sex + '</option>'));
    var temp;
    if(child.sex==='F'){
        temp='M';
    }
    else{
        temp='F';
    }

});

```

```

        select.append($('<option value="'+temp+'">' + temp + '</option>'));

        tbody.append(row);

        var row=$('<tr></tr>');
        row.append($('<th class="th-maroon">Mother:</th><td colspan=2><input type="text" style="" class="child-input form-control" name="mother" placeholder="Mother" value="'+child.mother+'</td>'););
        row.append($('<th class="th-maroon">Contact No:</th><td><input type="text" style="" class="child-input form-control" name="mContact" placeholder="Contact Number" value="'+child.mContact+'</td>'));
        tbody.append(row);

        var row=$('<tr></tr>');
        row.append($('<th class="th-maroon">Father:</th><td colspan=2><input type="text" style="" class="child-input form-control" name="father" placeholder="Father" value="'+child.father+'</td>'));
        row.append($('<th class="th-maroon">Contact No:</th><td><input type="text" style="" class="child-input form-control" name="fContact" placeholder="Contact Number" value="'+child.fContact+'</td>'));
        tbody.append(row);

        var row=$('<tr></tr>');
        row.append($('<th class="th-maroon">Guardian:</th><td colspan=2><input type="text" style="" class="child-input form-control" name="guardian" placeholder="Guardian" value="'+child.guardian+'</td>'));
        row.append($('<th class="th-maroon">Contact No:</th><td><input type="text" style="" class="child-input form-control" name="gContact" placeholder="Contact Number" value="'+child.gContact+'</td>'));
        tbody.append(row);

        var select=$('<select class="child-input form-control" name="barangay_id"></select></td>');
        var td=$('#<td></td>').append(select);

        var row=$('<tr></tr>');
        row.append($('<th class="th-maroon">Address:</th><td colspan=2><input type="text" style="" class="child-input form-control" name="address" placeholder="Address" value="'+child.address+'" required></td>'));
        row.append($('<th class="th-maroon">Barangay:</th>'));
        row.append(td);
        tbody.append(row);

        select.append($('<option value='+child.barangay_id+'>' + child.barangay + '</option>'));
        $.each(barangays.name, function(i, value){
            if(barangays.id[i]==child.barangay_id){
                select.append($('<option value='+barangays.id[i]+''+value+'</option>'));
            }
        });
    });

    div.append(heading);
    div.append(form);
    form.append($('<br><input type="submit value="Submit" id=submit name=submit class="btn btn-primary" style="width: 150px; margin-right:10px">'));
    form.append($('<a role="button" id=cancelEditChild class="btn btn-default" style="width: 150px">Cancel</a><br>'));

    $.fancybox({
        'href' : div,
        'autoScale': true,
        'transitionIn': 'fade',
        'transitionOut': 'fade',
        'type': 'inline',
        'modal': true
    });

});

$('body').on('change', '#editChildForm .bdyPicker', function(){
    if(this.value!=child_bday){
        alert("Changing the birthday of the child would delete all of the child's assessments.");
    }
});

$('body').on('change', '#editChildForm #sex', function(){
    if(this.value!=child_sex){
        alert("Changing the sex of the child would delete all of the child's assessments.");
    }
});

$('body').on('click', '#cancelEditChild', function(){
    console.log('cancel edit child');
    $.fancybox.close();
});

```

```

}); //end document function

function printChild(child_id){

    var string = $.ajax({
        type: "POST",
        url: site_url+"BHW/viewChild/getChildInfo",
        async: false,
        dataType: "json",
        data: {'child_id': child_id}
    }).responseText;

    var child=JSON.parse(string);
    if(child.name==null){
        return;
    }

    console.log(child);
    var btnGrp=$('#<div style="float: left; margin:20px;" class="btn-group"></div>');
    btnGrp.append($('a role=button id='+child_id+' class="btn btn-primary btn-xs editChild">Edit Child</a>');
    btnGrp.append($('a role=button id='+child_id+' class="btn btn-primary btn-xs deleteChild">Delete
    Child</a>'));

    var heading='<br><br><br><h3>Details for '+child.name+' '+child.surname+'<br><br>';
    var div=$('#<div style="width: 900px; margin: auto !important;"></div>').addClass('table-container panel
    panel-default');

    var table=$(<table style="width: 100%; margin: auto;"></table>).addClass('tbl-heading table-opt table');
}

```

```

var tbody=$('<tbody></tbody>');
table.append(tbody);
var row=$('<tr></tr>');
row.append($(' Name:</th><td colspan=4>' + child.name + ' ' + child.surname + '</td>')); tbody.append(row);  var row=$('<tr></tr>'); row.append($(' Birthday:</th><td colspan=2>' + child.birthday + '</td>')); row.append($(' Sex:</th><td>' + child.sex + '</td>')); tbody.append(row);  var row=$('<tr></tr>'); row.append($(' Mother:</th><td colspan=2>' + child.mother + '</td>')); row.append($(' Contact No:</th><td>' + child.mContact + '</td>')); tbody.append(row);  var row=$('<tr></tr>'); row.append($(' Father:</th><td colspan=2>' + child.father + '</td>')); row.append($(' Contact No:</th><td>' + child.fContact + '</td>')); tbody.append(row);  var row=$('<tr></tr>'); row.append($(' Guardian:</th><td colspan=2>' + child.guardian + '</td>')); row.append($(' Address:</th><td colspan=2>' + child.address + '</td>')); row.append($(' Barangay:</th><td>' + child.barangay + '</td>')); tbody.append(row);  div.append(table); $('#right_panel').html(btnGrp);  $('#right_panel').append(heading); $('#right_panel').append(div); $('#right_panel').append('<br><br>');  $('#right_panel').append($(' </div>'));  printCA(child_id);  }  function printCA(child_id){     var string = $.ajax({         type: "POST",         url: site_url+"BHW/viewChild/getChildAssessment",         async: false,         dataType: "json",         data: {'child_id':child_id}     }).responseText;      var assessments=JSON.parse(string);      if(assessments.result==null){         $('#caDiv').html('<h4>No assessment found.</h4>');         return false;     }      var heading='<h3>Child Assessment<br><br>';     var div=$('#<div style="width: 1100px; margin: auto !important;"></div>').addClass('table-container panel panel-default');     var table=$('#<table style="width: 100%; margin: auto;"></table>').addClass('tbl-heading table-opt table');      var tbody=$('<tbody></tbody>');     table.append(tbody);     var row=$('<tr></tr>');     row.append($('  |  144 | | | | | | | | | |
```

```

        row.append($('(<td><a class="btn btn-default deleteAss" role="button" title="Delete">' +
        id+'><span class="glyphicon glyphicon-remove"></span></a></td>'));
        row.append($('(<td>'+ass.date+'</td>'));
        row.append($('(<td>'+ass.ca_age+' mos.</td>'));
        row.append($('(<td>'+ass.ca_height+' cm.</td>'));
        row.append($('(<td>'+ass.ca_weight+' kg.</td>'));
        row.append($('(<td>'+mal[ass.HAstat]+ '</td>'));
        row.append($('(<td>'+mal[ass.WAstat]+ '</td>'));
        row.append($('(<td>'+mal[ass.WHstat]+ '</td>'));
        tbody.append(row);
    });

    div.append(table);

    $('#caDiv').html(heading);
    $('#caDiv').append(div);
}

function getBarangayChildren(barangay_id){
    selected_child_id="";
    var string = $.ajax({
        type: "POST",
        url: site_url+"BHW/viewChild/getChild",
        async: false,
        dataType: "json",
        data: {'barangay': barangay_id}
    }).responseText;

    var children=JSON.parse(string);

    if(children[0]==null){
        alert('There was no child record found in the database.');
        return false;
    }

    $('#childrenDiv').empty();
    $.each(children, function(i, child){
        $('#childrenDiv').append($('(<a role=button style="width: 100%; margin:2px 0px 2px 0px;"' +
        id+'>'+child.surname+' '+child.name+'</a>)');
    });
    $('#right_panel').html("<br><br><br>Please choose a barangay and child to view.");
}
}

</script>

<?php if(isset($child_id) && isset($barangay_id)){ ?>
<script language="javascript">
    var child_id=<?php echo $child_id; ?>;
    var bar_id=<?php echo $barangay_id; ?>

    $('#viewChildForm #barangay').val(bar_id);
    getBarangayChildren(bar_id);
    $('#childrenDiv a[id="'+child_id+'"]').addClass('btn-pressedDown');
    selected_child_id=child_id;
    printChild(child_id);

</script>
<?php } ?>

//views/includes/admin_navbar.php
<div id="generateOPT" style='text-align:center; position: center; width: 380px; height: 230px; margin: 0px auto; display: none'>
    <center><h3>Generate OPT results for the month of</h3></h2></center>
    <div class='form-signin' style='width: 200px; margin: auto'>
        <form id="generateOPTForm">
            <select class='form-control' name="month" id="month" >
                <option value=-1' ><?php echo set_select('barangay', '-1', TRUE); ?>
                >>Month</option>
                <option value='January' ><?php echo set_select('barangay', 'January'); ?>
                >>January</option>
                <option value='February' ><?php echo set_select('barangay', 'February'); ?>>February</option>
                <option value='March' ><?php echo set_select('barangay', 'March'); ?>
                >>March</option>
                <option value='April' ><?php echo set_select('barangay', 'April'); ?>
                >>April</option>
                <option value='May' ><?php echo set_select('barangay', 'May'); ?>
                >>May</option>

```

```

?>>June</option>
?>>July</option>
?>>August</option>
'September'); ?>>September</option>
'October'); ?>>October</option>
'November'); ?>>November</option>
'December'); ?>>December</option>

</select>

<select class='form-control' name=year id=year>
<option value=-1' <?php echo set_select('year', '-1', TRUE);

?>>Year</option>

<?php
for($i=date('Y'); $i>=1970; $i--){
?>
<option value=<?php echo $i;?>" <?php
echo set_select('year', $i); ?>> <?php echo $i; ?></option>

<?php }
?>

</select><br><br>
<input type=submit class='btn btn-primary' id=generate value='Generate'>
<a role=button class='btn btn-default' id=cancelGenerateOPT>Cancel</a>
</form>
</div>
</div>

<script>
$(document).ready(function() {
    var site_url='<?php echo site_url(); ?>';
    $('#generateOPTResults').bind('click',function() {
        $.fancybox({
            'href' : '#generateOPT',
            'width': '40%',
            'height': '40%',
            'autoScale': true,
            'transitionIn': 'fade',
            'transitionOut': 'fade',
            'type': 'inline',
            'modal': true
        });
        return false;
    });

    $('#cancelGenerateOPT').bind('click',function() {
        $('select').not('input[type=submit]').val('');
        $.fancybox.close();
    });

    $('#generateOPTForm').on('submit', function(e) {
        e.preventDefault();

        var month= $('#generateOPT #month').val();
        var year= $('#generateOPT #year').val();

        var string = $.ajax({
            type:'POST',
            url: site_url+'admin/generateOPTResults/processMunicipality',
            async: false,
            data: {"month": month, "year": year},
            dataType: "JSON",
        }).responseText;
        console.log(string);

        var temp=JSON.parse(string);
    });
});

```

```

        if(temp.result==null){
            alert('No OPT record found. Cannot generate results.');
            return false;
        }
        $('#generateOPT select').val("");
        $.fancybox.close();
        alert('OPT results generated!');

        $(location).attr('href', site_url+'admin/viewOPT?m='+month+'&y='+year);
        return false;
    });

});

</script>

//views/includes/BHadmin_navbar.php
<div id='addBHWdiv' style='text-align:center; position: center; width: 350px; height: 300px; margin: 0px auto; display: none'>
    <center><h2 style='color: #800000'>Add a Barangay Health Worker</h2></center>
    <div style='position: center; width: 244px; margin: 0px auto;'>
        <form id='addBHWform'>
            <input class='form-control' TYPE = "text" name="name" id='name' placeholder="Name" required>
            <input class='form-control' TYPE = "text" name="surname" id='surname' placeholder="Surname" required>
            <input class='form-control' TYPE = "text" name="username" id='username' placeholder="Username" required>
            <br><br>
            <INPUT class="btn btn-primary" TYPE = "submit" name="submit" value = "Add">
            <a class="btn btn-default" id='cancelAddBHW' role='button' href='#!'>Cancel</a>
        </form>
    </div>
</div>

<div id='addBarangayDiv' style='text-align:center; position: center; width: 250px; height: 200px; margin: 0px auto; display: none'>
    <center><h3 style='color: #800000'>Add a Barangay</h3></center>
    <div class='form-signin' style='margin: auto'>
        <form id='addBarangayForm'>
            <select id='bhw' class='form-control' style="background-color: #fff" name="bhw" id="bhw">
                <option value="-1">Select a BHW</option>
            </select>
            <input class='form-control' TYPE = "text" id='barangay' name="barangay" placeholder="Barangay Name" SIZE=25 required>
            <br><br>
            <input class="btn btn-primary" TYPE = "submit" name="submit" value = "Add">
            <a class="btn btn-default" id='cancelAddBarangay' role='button' href='#!'>Cancel</a><br>
        </form>
    </div>
</div>

<!--generate bhc results-->
<div id='generateBHResultsDiv' style='text-align:center; position: center; width: 380px; height: 230px; margin: 0px auto; display: none'>
    <center><h3>Generate OPT results for the month of</h3></center>
    <div class='form-signin' style='width: 200px; margin: auto'>
        <form id='generateBHResultsForm'>
            <select class='form-control' name="month" id="month" >
                <option value=-1' >?php echo set_select('barangay', '-1', TRUE);?>>Month</option>
                <option value='January' >?php echo set_select('barangay', 'January');?>>January</option>
                <option value='February' >?php echo set_select('barangay', 'February'); ?>>February</option>
                <option value='March' >?php echo set_select('barangay', 'March');?>>March</option>
                <option value='April' >?php echo set_select('barangay', 'April');?>>April</option>
                <option value='May' >?php echo set_select('barangay', 'May');?>>May</option>
                <option value='June' >?php echo set_select('barangay', 'June');?>>June</option>
                <option value='July' >?php echo set_select('barangay', 'July');?>>July</option>
                <option value='August' >?php echo set_select('barangay', 'August');?>>August</option>
                <option value='September' >?php echo set_select('barangay', 'September');?>>September</option>
                <option value='October' >?php echo set_select('barangay', 'October');?>>October</option>
                <option value='November' >?php echo set_select('barangay', 'November');?>>November</option>
            </select>
        </form>
    </div>
</div>

```

```

        <option value='December' <?php echo set_select('barangay',
'December'); ?>>December</option>

        </select>

        <select class='form-control' name=year id=year>
        <option value='-1' <?php echo set_select('year', '-1', TRUE);
?>>Year</option>

        <?php
        for($i=date('Y'); $i>=1970; $i--){
        ?>
        <option value="php echo $i;?&gt;" &lt;?php
echo set_select('year', $i); ?&gt;&gt; &lt;?php echo $i; ?&gt;&lt;/option&gt;

        &lt;?php }
?&gt;

        &lt;/select&gt;&lt;br&gt;&lt;br&gt;
        &lt;input type=submit class='btn btn-primary' id=generate value='Generate'&gt;
        &lt;a role='button' class='btn btn-default' id=cancelGenerateBHCResults&gt;Cancel&lt;/a&gt;
        &lt;/form&gt;
        &lt;/div&gt;
    &lt;/div&gt;

    &lt;!--editProfile--&gt;
&lt;div id='editProfileDiv' style='position: center; width: 244px; margin: 0px auto; text-align: center; display:none'&gt;
    &lt;center&gt;&lt;h3&gt;Edit Profile&lt;/h3&gt;&lt;/center&gt;
    &lt;form id='editProfileForm' method='POST'&gt;
        &lt;div id="profileDiv"&gt;

        &lt;/div&gt;
        &lt;br&gt;&lt;br&gt;
        &lt;div class=login&gt;
            &lt;INPUT class="btn btn-primary" TYPE = "submit" name="submit" value = "Submit"&gt;
            &lt;a class="btn btn-default" id='cancelEditProfile' role='button' href="#"&gt;Cancel&lt;/a&gt;&lt;br&gt;
        &lt;/div&gt;
    &lt;/form&gt;
&lt;/div&gt;
&lt;/div&gt;

&lt;script&gt;
$(document).ready(function() {
    var site_url='&lt;?php echo site_url(); ?&gt;';
    var bhc_id='&lt;?php echo $this-&gt;session-&gt;userdata('bhc_id'); ?&gt;';

    var string = $.ajax({
        type:'POST',
        url:site_url+'BHCadmin/BHCadmin/getBHW',
        async: false,
        dataType: "JSON",
    }).responseText;

    var bhw=JSON.parse(string);
    if(bhw.username!=null){
        $.each(bhw.username,function(i, username){
            $('#bhw').append("&lt;option value='"+bhw.id[i]+"'"+username+"</option>");
        });
    }

    var string = $.ajax({
        type:'POST',
        url:site_url+'editProfile/getProfile',
        async: false,
        dataType: "JSON",
    }).responseText;

    var profile=JSON.parse(string);

    console.log(profile);

    $("#profileDiv").append('<input class=form-control TYPE = "text" id=name name="name" value="'+profile.name+'" placeholder="Name" SIZE=25 required>');
    $("#profileDiv").append('<input class=form-control TYPE = "text" id=surname name="surname" value="'+profile.surname+'"' placeholder="Surname" SIZE=25 required>');
}

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```

        $("#profileDiv").append("<input class=form-control TYPE = "text" id=email name=email value='"+profile.email+"' placeholder='Email Address' SIZE=25 required>");
        $("#profileDiv").append("<input class=form-control TYPE = "text" id=contact name=contact value='"+profile.contact+"' placeholder='Contact Number' SIZE=25 required>");

        $('#addBarangay').bind('click',function() {
            $('input').not('input[type=submit]').val("");

            if(bhw.username==null){
                $.fancybox.close();
                alert('There is no BHW yet. Add a BHW first.');
            }

            $.fancybox({
                'href' : '#addBarangayDiv',
                'autoScale': true,
                'transitionIn': 'fade',
                'transitionOut': 'fade',
                'type': 'inline',
                'modal': true
            });
            return false;
        });

        $('#addBHW').bind('click',function() {
            $.fancybox({
                'href' : '#addBHWdiv',
                'autoScale': true,
                'transitionin': 'fade',
                'transitionOut': 'fade',
                'type': 'inline',
                'modal': true
            });
            return false;
        });

        $('#cancelAddBarangay').bind('click',function() {
            $('#addBarangayForm input').not('input[type=submit]').val("");
            $('#addBarangayForm #bhw').val('-1');
            $.fancybox.close();
        });

        $('#cancelAddBHW').bind('click',function() {
            $('#addBHWform input').not('input[type=submit]').val("");
            $.fancybox.close();
        });

        $('#cancelEditProfile').bind('click',function() {
            $.fancybox.close();
        });

        $('#editProfileForm').on('submit', function(e) {
            e.preventDefault();
            var name = $('#editProfileForm #name').val();
            var surname = $('#editProfileForm #surname').val();
            var email = $('#editProfileForm #email').val();
            var contact = $('#editProfileForm #contact').val();

            var re = /^[^<>()\\.\,\;\:\s@"]+([^\^<>()\\.\,\;\:\s@"]+)*|(\.\.+")@((\[[0-9]{1,3}\.[0-9]{1,3}\.[0-9]{1,3}\.\[0-9]{1,3}\])|(([a-zA-Z]-0-9)+\.)+[a-zA-Z]{2,})$/;
            if(!re.test(email)){
                alert("Invalid email!");
                return false;
            }

            var string = $.ajax({
                type:'POST',
                url: site_url+'editProfile/saveProfile',
                async: false,
                data: {"name": name, "surname": surname, "email":email, "contact":contact},
                dataType: "JSON",
            }).responseText;
            console.log(string);
        });
    
```

```

var temp=JSON.parse(string);

if(temp.result==false){
    alert("Error saving to database.");
    $('#input').not('input[type=submit]').val('');
    $.fancybox.close();
    $('#headerUsername').html(username+'!');
    return false;
}

alert("Profile changes successfully saved.");

$('#input').not('input[type=submit]').val('');
$.fancybox.close();
return false;
});

$('#addBarangayForm').on('submit', function(e) {
    e.preventDefault();
    var bhw = $('#addBarangayForm #bhw').val();
    var name = $('#barangay').val();
    console.log('bhw:' + bhw);
    /*
     * Check if a BHW is selected.
     */
    if(bhw==-1){
        alert('Please select a BHW to handle this barangay.');
        $('#bhw').focus();
        return false;
    }
    /*
     * Check if Barangay name is unique.
     */
    var string = $.ajax({
        type:'POST',
        url:site_url+'BHCadmin/BHCadmin/isUniqueInBHC',
        async: false,
        data: {"name":name},
        dataType: "JSON",
    }).responseText;

    var temp=JSON.parse(string);

    if(!temp.result){
        alert('Barangay name should be unique.');
        $('#barangay').val('');
        $('#barangay').focus();
        return false;
    }

    /*
     * Save to DB.
     */
    var data={'bhw_id': bhw, 'name': name, 'bhc_id': bhc_id};

    var string = $.ajax({
        type:'POST',
        url:site_url+'BHCadmin/BHCadmin/saveToDatabase',
        async: false,
        data: {"data": JSON.stringify(data), 'table': 'barangay'},
        dataType: "JSON",
    }).responseText;

    var temp=JSON.parse(string);

    if(temp.id!=false){
        var bhwName=$('#addBarangayForm #bhw option[value="'+bhw+'"]').text();
        console.log(bhwName);
        alert('A barangay ('+name+') has been added and assigned to '+bhwName+'.');
    }
    else{
        alert('There was an error saving this barangay to the database.');
    }

    $('#input').not('input[type=submit]').val('');
    $('#bhw').val('-1');
    $.fancybox.close();
    return false;
});

```

```

/*
 * Add BHW Form on submit
 */
$('#addBHWform').on('submit', function(e) {
    e.preventDefault();

    var name=$("#addBHWform #name").val();
    var surname=$("#addBHWform #surname").val();
    var username=$("#addBHWform #username").val();

    var data={"status": '1', 'mode': 'BHW', 'bhc_id': bhc_id, 'name': name, 'surname': surname, 'username':
username}

    /*
     * Save to DB.
     */
    var string = $.ajax({
        type:'POST',
        url:site_url+'BHCadmin/BHCadmin/saveToDatabase',
        async: false,
        data: {'data': JSON.stringify(data), 'table': 'users'},
        dataType: "JSON",
    }).responseText;

    var temp=JSON.parse(string);

    if(temp.id!=false){
        alert(name+' '+surname+' has been added as a BHW.');
        $('#addBarangayForm #bhw').append("<option
value='"+temp.id+"'>"+username+"");
    }
    else{
        alert('There was an error saving this BHW to the database.');
    }

    $('input').not('input[type=submit]').val('');
    $('#bhw').val('-1');
    $.fancybox.close();
    return false;
});

/*
 * Generate BHC Results
 */
$('#generateBHCResults').bind('click',function() {
    $.fancybox({
        'href' : '#generateBHCResultsDiv',
        'width': '40%',
        'height': '40%',
        'autoScale': true,
        'transitionIn': 'fade',
        'transitionOut': 'fade',
        'type': 'inline',
        'modal': true
    });
    return false;
});

$('#cancelGenerateBHCResults').bind('click',function() {
    $('select').not('input[type=submit]').val('');
    $.fancybox.close();
});

$('#generateBHCResultsForm').on('submit', function(e) {
    e.preventDefault();

    var month= $('#generateBHCResultsForm #month').val();
    var year= $('#generateBHCResultsForm #year').val();

    var string = $.ajax({
        type:'POST',
        url: site_url+'BHCadmin/generateBHCResults/processBHC',
        async: false,
        data: {"month": month, "year": year},
        dataType: "JSON",
    }).responseText;
}

```

```

        console.log(string);

        var temp=JSON.parse(string);

        if(temp.result==null){
            alert('No OPT record found. Cannot generate results.');
            return false;
        }

        $('#generateBHCResults select').val("");
        $.fancybox.close();

        alert('OPT results generated!');
        $(location).attr('href', site_url+'BHCadmin/viewBHC?m='+month+'&y='+year);
        return false;
    });

});

</script>

//views/includes/BHW_navbar.php
<head>
    <script type="text/javascript" src=<?php echo base_url("/js/jquery-ui.js"); ?>></script>
    <link rel="stylesheet" type="text/css" href=<?php echo base_url("/css/jquery-ui.css"); ?> media="screen" />
    <script type="text/javascript" src=<?php echo base_url("/js/date.js"); ?>></script>
</head>
<!--generate bhc results-->
<div id='generateBrgyResultsDiv' style='text-align:center; position: center; width: 570px; height: 230px; margin: 0px auto; display: none'>
    <form id='generateBrgyForm'>

        <h3>Generate Barangay Results</h3>

        <div class='bordered panel panel-default left' style='left: 10px; width: 200px;'>
            <div id="margin" style="margin: auto; text-align: left; font-size: 10px">
                <div class='panel-title' style='text-align: center; width: 100%;'><h4>Instructions:</h4></div>
                1. Click on the barangays to be generated.<br>
                2. Provide the estimated population for each of the chosen barangays.<br>
                3. Provide the date of the report.<br>
                4. Click the 'Generate' button.<br>
            </div>
        </div>

        <h3>Date</h3>
        <select class='form-control' name="month" id="OPTmonth" >
            <option value='-1'>Month</option>
            <option value='January'>January</option>
            <option value='February'>February</option>
            <option value='March'>March</option>
            <option value='April'>April</option>
            <option value='May'>May</option>
            <option value='June'>June</option>
            <option value='July'>July</option>
            <option value='August'>August</option>
            <option value='September'>September</option>
            <option value='October'>October</option>
            <option value='November'>November</option>
            <option value='December'>December</option>
        </select>

        <select class='form-control' name='year' id='OPTyear'>
            <option value='-1'>Year</option>
            <?php for($i=date('Y').trim(); $i>=1970; $i--) {?>
                <option value=<?php echo $i; ?>> <?php echo $i; ?></option>
            <?php }?>
        </select><br><br>

        <input type=submit value="Submit" id=submit name=submit class='btn btn-primary' style="width: 150px; margin-bottom: 5px">
        <a role=button class='btn btn-default' style='width: 150px' id=cancelGenerateBrgy>Cancel</a>

    </div>
    <div class='bordered panel panel-default right' style='right: 210px;'>
        <table class="table table-opt" style='width: 350px;'>
            <tbody id='generateBrgyForm_tbody'>
                <tr>
                    <th>Barangay</th><th>Estimated Pop.</th>

```

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        </tr>
        </tbody>
    </table>
</div>

</form>
</div>

<!--add a child-->
<div id='addChildDiv' style='text-align:center; position: center; width: auto; height: auto; margin: 0px auto; display: none'>
<form id='addChildForm'>
<h3>Add a Child</h3>
<div class=info style="width: 900px; padding:10px; text-align:center;">
<table style="margin: auto;" class="tbl-heading table-opt table form-table">
<tr>
<th class="th-maroon">Name:</th><td colspan=4><input class="form-control" style="width: 50%;" TYPE = "text" name="name" placeholder="First Name" SIZE=40 required>
<input class="form-control" TYPE = "text" style="width: 49%" name="surname" placeholder="Surname" SIZE=35 required></td>
</tr>
<th class="th-maroon">Mother:</th><td colspan=2><input style="width: 49%;" class="form-control" id="name[]" TYPE = "text" name="mname" placeholder="Name" SIZE=20>
<input class="form-control" style="width: 49%" TYPE = "text" name="msurname" placeholder="Surname" SIZE=20></td>
<th class="th-maroon">Contact No.:</th><td><input class="form-control" id="num[]" TYPE = "text" name="mcontact" placeholder="Number" maxlength=11 SIZE=10></td>
</tr>
<tr>
<th class="th-maroon">Father:</th><td colspan=2><input style="width:49%" class="form-control" id="name[]" TYPE = "text" name="fname" placeholder="Name" SIZE=20>
<input class="form-control" TYPE = "text" style="width:49%" name="fsurname" placeholder="Surname" SIZE=20></td>
<th class="th-maroon">Contact No.:</th><td><input class="form-control" id="num[]" TYPE = "text" name="fcontact" placeholder="Number" maxlength=11 SIZE=10></td>
</tr>
<tr>
<th class="th-maroon">Guardian:</th><td colspan=2><input style="width: 49%" class="form-control" id="name[]" TYPE = "text" name="gname" placeholder="Name" SIZE=17>
<input class="form-control" TYPE = "text" style="width: 49%" name="gsurname" placeholder="Surname" SIZE=20></td>
<th class="th-maroon">Contact No.:</th><td><input class="form-control" id="num[]" TYPE = "text" name="gcontact" placeholder="Number" maxlength=11 SIZE=10></td>
</tr>
<tr>
<th class="th-maroon">Address:</th><td colspan=2><input class="form-control" TYPE = "text" name="address" placeholder="Permanent Address" SIZE=40 required></td>
<th class="th-maroon">Barangay:</th><td>
<select class="form-control" name="barangay_id" id="barangay" >
<option value='-1'>-</option>
</select>
</td>
</tr>
<tr>
<th class="th-maroon">Sex:</th>
<td colspan=2>
<select class="form-control" name="sex" >
<option value="-1">-</option>
<option value="F">F</option>
<option value="M">M</option>
</select>
</td>
<th class="th-maroon">Height:</th><td><input class="form-control" style="width: 120px" TYPE = "text" id="height" name="height" SIZE=5 maxlength=6 required> cm.</td>
</tr>
<tr>
<th class="th-maroon">B-day:</th><td colspan=2><input class="form-control" TYPE = "text" name="bdy" id='birthDatepicker' maxlength=11 SIZE=15 required readonly></td>
<th class="th-maroon">Weight:</th><td><input class="form-control" style="width: 120px" TYPE = "text" id="weight" name="weight" SIZE=5 maxlength=6 required> kg.</td>
</tr>
</table><br>
<input type=submit value="Submit" id=submit name=submit class='btn btn-primary' >
<a role=button class='btn btn-default' id='cancelAddChild'>Cancel</a>

```

</div>

```

        </form>
    </div>

    <!--editProfile-->
<div id='editProfileDiv' style='position: center; width: 244px; margin: 0px auto; text-align: center; display:none'>
    <center><h3>Edit Profile</h3></center>
    <form id='editProfileForm' method='POST'>
        <div id="profileDiv">
            </div>
            <br><br>
            <div class=login>
                <INPUT class="btn btn-primary" TYPE = "submit" name="submit" value = "Submit">
                <a class="btn btn-default" id='cancelEditProfile' role='button' href="#">Cancel</a><br>
            </div>
        </form>
    </div>
</div>

<script>
$(document).ready(function() {
    var site_url=<?php echo site_url(); ?>;
    var bhc_id=<?php echo $this->session->userdata('bhc_id'); ?>;

    var string = $.ajax({
        type:'POST',
        url:site_url+'BHW/generateResults/getBarangay',
        async: false,
        dataType: "JSON",
    }).responseText;

    var barangay=JSON.parse(string);
    if(barangay.name!=null){
        $.each(barangay.name,function(i, name){
            console.log('name:'+name+' id:'+barangay.id[i]);
            var row=$(<tr></tr>');
            row.append($(<td style="border: none"><a role=button style="width: 100%; height: 30px;" class="tbody-barangay btn btn-primary">' +name+ '</a></td>'));
            row.append($(<td><input style="width:100%;" type="text" class="tbody-estpop" id="'+barangay.id[i]+'" disabled></td>'));
            $('#generateBrgyForm_tbody').append(row);
        });
        $('#addChildForm #barangay').append('<option value='+barangay.id[i]+'+name+</option>');
    });

    var string = $.ajax({
        type:'POST',
        url:site_url+'editProfile/getProfile',
        async: false,
        dataType: "JSON",
    }).responseText;

    var profile=JSON.parse(string);
    console.log(profile);

    $('#profileDiv').append('<input class=form-control TYPE = "text" id=name name="name" value="'+profile.name+'" placeholder="Name" SIZE=25 required>');
    $('#profileDiv').append('<input class=form-control TYPE = "text" id=surname name="surname" value="'+profile.surname+'" placeholder="Surname" SIZE=25 required>');
    $('#profileDiv').append('<input class=form-control TYPE = "text" id=email name="email" value="'+profile.email+'" placeholder="Email Address" SIZE=25 required>');
    $('#profileDiv').append('<input class=form-control TYPE = "text" id=contact name="contact" value="'+profile.contact+'" placeholder="Contact Number" SIZE=25 required>');

    $('#cancelGenerateBrgy').bind('click', function(){
        $.fancybox.close();
        $('#generateBrgyForm input').not('[type=submit]').val("");
    });
})

```

```

$( "#generateBrgyForm select").val("");
$( "#generateBrgyForm .checked-barangay").removeClass('checked-barangay');
$( "#generateBrgyForm .checked-estpop").removeClass('checked-estpop');
$( "#generateBrgyForm .btn-pressedDown").removeClass('btn-pressedDown');
$( "#generateBrgyForm input").not('[type=submit]').prop('disabled', 'disabled').prop('required', false);
});

$( "#cancelAddChild").bind('click', function(){
    $.fancybox.close();
    $( "#addChildForm input").not('[type=submit]').val("");
    $( "#addChildForm select").val("");
});

$( "#cancelEditProfile").bind('click',function() {
$.fancybox.close();
});

$( "#generateBrgyForm_tbody tr").on('click', '.tbody-barangay', function(){
    console.log('clicked');

    if(!$(this).closest('tr').hasClass('checked-barangay')){
        $(this).closest('tr').addClass('checked-barangay');
        $(this).addClass('btn-pressedDown');
        $(this).closest('tr').find('.tbody-estpop').prop('disabled', false).prop('required', true).addClass('checked-estpop');
    }
    else{
        $(this).removeClass('btn-pressedDown');
        $(this).closest('tr').removeClass('checked-barangay');
        $(this).closest('tr').find('.tbody-estpop').prop('disabled', 'disabled').prop('required', false).removeClass('checked-estpop');
    }
});

$( "#generateBrgyResults").bind('click',function() {
    if(barangay.name==null){
        $.fancybox.close();
        alert('There is no barangay found in the database.');
    }
    $.fancybox({
        'href' : '#generateBrgyResultsDiv',
        'autoScale': true,
        'transitionIn': 'fade',
        'transitionOut': 'fade',
        'type': 'inline',
        'modal': true
    });
    return false;
});

$( "#addChild").bind('click',function() {
    if(barangay.name==null){
        $.fancybox.close();
        alert('There is no barangay found in the database.');
    }
    $.fancybox({
        'href' : '#addChildDiv',
        'autoScale': true,
        'transitionIn': 'fade',
        'transitionOut': 'fade',
        'type': 'inline',
        'modal': true
    });
    return false;
});

$( "#addChildForm #birthDatepicker" ).datepicker({
    changeMonth: true,
    changeYear: true,
    yearRange:'-10:+30',
    dateFormat: "yy-mm-dd"
});

$( "#editProfileForm").on('submit', function(e) {

```

```

e.preventDefault();
var name = $("#editProfileForm #name").val();
var surname = $("#editProfileForm #surname").val();
var email = $("#editProfileForm #email").val();
var contact = $("#editProfileForm #contact").val();

var re = /^(([^\>|(\|)\.,;\s@\"]+|(.[^>|(\|)\.,;\s@\"]+)*|(\\".+\\")|((\[[0-9]{1,3}\].[0-9]{1,3}\].[0-9]{1,3}\.)|(([a-zA-Z]-[0-9]+.)+[a-zA-Z]{2,}))$/;
if(!re.test(email)){
    alert("Invalid email!");
    return false;
}

var string = $.ajax({
    type:'POST',
    url: site_url+'editProfile/saveProfile',
    async: false,
    data: {"name": name, "surname": surname, "email":email, "contact":contact},
    dataType: "JSON",
}).responseText;
console.log(string);

var temp=JSON.parse(string);

if(temp.result==false){
    alert("Error saving to database.");
    $('input').not('input[type=submit]').val("");
    $.fancybox.close();
    $('#headerUsername').html(username+'!');
    return false;
}

alert("Profile changes successfully saved.");

$('input').not('input[type=submit]').val("");
$.fancybox.close();
return false;
});

$('#generateBrgyForm').on('submit', function(e) {
    e.preventDefault();
    var barangay=[];
    /* barangay[0] contains barangay ids
     * barangay[1] contains estimated population values
     */

    barangay.push($.map($('.checked-estpop')), function(e, i) {
        console.log('id:'+e.id);
        return e.id;
    });
    barangay.push($.map($('.checked-estpop')), function(e, i) {
        console.log('value:'+e.value);
        return $.trim(e.value);
    });

    var month = $('#generateBrgyForm #OPTmonth').val();
    var year = $('#generateBrgyForm #OPTyear').val();

    if(month==-1){
        alert('Please provide the OPT month.');
        $('#generateBrgyForm #OPTmonth').focus();
        return false;
    }

    if(year==-1){
        alert('Please provide the OPT year.');
        $('#generateBrgyForm #OPTyear').focus();
        return false;
    }

    if(barangay[1].length==0){
        alert('There is no barangay to process. Choose a barangay first.');
        return false;
    }
    /*
     * Check if all est pop values are numeric.
     */
    $.each(barangay[1], function(index, estpop){
        if(!$_.isNumeric(estpop)){
            alert('Estimated population values must be numeric!');
            return false;
        }
    });
});

```

```

        }
    });

    var string = $.ajax({
        type:'POST',
        url:site_url+'BHW/generateResults/processBrgy',
        async: false,
        data: {"barangay":JSON.stringify(barangay), 'date': month+' '+year},
        dataType: "JSON",
    }).responseText;

    var temp=JSON.parse(string);
    console.log('result:'+temp);

    var message="";
    if(temp.no_data !== undefined){
        message+="There was no data found for barangay/s:';
        message+=temp.no_data[0];
        for(var i=1; i<temp.no_data.length; i++){
            message+=', '+temp.no_data[i];
        }
        message+='. ';
    }
    if(temp.success!== undefined){
        message+="The system has successfully generated results for barangay/s:';
        message+=temp.success[0];
        for(var i=1; i<temp.success.length; i++){
            message+=', '+temp.success[i];
        }
        message+='. ';
    }
    if(temp.fail!== undefined){
        message+="The system has failed to generated results for barangay/s:';
        message+=temp.fail[0];
        for(var i=1; i<temp.fail.length; i++){
            message+=', '+temp.fail[i];
        }
        message+='. ';
    }
    alert(message);
    $().fancybox.close();
    $('#generateBrgyForm input').not('[type=submit]').val("");
    $('#generateBrgyForm select').val("");
    $('#generateBrgyForm .checked-barangay').removeClass('checked-barangay');
    $('#generateBrgyForm .checked-estpop').removeClass('checked-estpop');
    $('#generateBrgyForm .btn-pressedDown').removeClass('btn-pressedDown');
    $('#generateBrgyForm input').not('[type=submit]').prop('disabled', 'disabled').prop('required', false);

});

$('#addChildForm').on('submit', function(e) {
    e.preventDefault();

    var name=$('#addChildForm input[id="name[]"]').map(function() {
        return this;
    }).get();

    if(name[0].value==" && name[1].value==" && name[2].value==" ){
        alert('Please provide at least 1 guardian.');
        name[0].focus();
        return false;
    }

    var num=$('#addChildForm input[id="num[]"]').map(function() {
        return this;
    }).get();

    if(num[0].value==" && num[1].value==" && num[2].value==" ){
        alert('Please provide at least 1 contact number.');
        num[0].focus();
        return false;
    }

    $.each(num, function(i, n){
        if(n.value!=" && name[i].value=="){
            alert('Please provide a name for this contact number.');
            name[i].focus();
        }
    });
});

```

```

        console.log('sex:'+$('#addChildForm select[name="sex"]').val());
        if($('#addChildForm select[name="sex"]').val() == -1){
            alert('Please provide the sex of the child.');
            $('#select[name="sex"]').focus();
            return false;
        }

        console.log('barangay:'+$('#addChildForm select[name="barangay_id"]').val());
        if($('#addChildForm select[name="barangay_id"]').val() == -1){
            alert('Please provide the barangay.');
            $('#select[name="barangay_id"]').focus();
            return false;
        }

        if(!isNumber($('#addChildForm #height').val())){
            alert('Height must be numeric!');
            $('#addChildForm #height').focus();
            return false;
        }

        if(!isNumber($('#addChildForm #weight').val())){
            alert('Weight must be numeric!');
            $('#addChildForm #weight').focus();
            return false;
        }

        var date= new Date();
        console.log("month:"+date.getMonth());

        //check if age is valid (<72 months)
        var string = $.ajax({
            type:'POST',
            url:site_url+'BHW/addChild/validateAge',
            async: false,
            data: {'bday': $('#addChildForm #birthDatepicker').val(), 'month': date.getMonth()+1, 'year': date.getFullYear()},
            dataType: "JSON"
        }).responseText;

        var child=JSON.parse(string);

        if(child.result==false){
            alert('This child is '+child.age+' months old. Age must be 0-71 months.');
            return false;
        }

        var h=$('#addChildForm #height');
        //validate height values
        if((child.age <=60 && child.age>=24) && (h.val()<65.0 || h.val()>120.0)){
            alert('Please enter a valid height.');
            h.focus();
            return false;
        }
        if((child.age <=23 && child.age>=0) && (h.val()<45.0 || h.val()>110.0)){
            alert('Please enter a valid height.');
            h.focus();
            return false;
        }

        //stringify data
        //send to controller
        var name=[];
        var value=[];
        $('#addChildForm input').not('[type="submit"], [name="height"], [name="weight"], [name="mname"], [name="fname"], [name="gname"], [name="msurname"], [name="fsurname"], [name="gsurname"]').each(function(){
            name.push(this.name);
            value.push(this.value);
        });

        name.push('mother');
        value.push($('#addChildForm input[name="mname"]').val()+'+'+$('#addChildForm
input[name="msurname"]').val());

        name.push('father');
        value.push($('#addChildForm input[name="fname"]').val()+'+'+$('#addChildForm
input[name="fsurname"]').val());

        name.push('guardian');
    
```

```

        value.push($("#addChildForm input[name='gname']").val()+'+'+$('#addChildForm
input[name="gsurname"]').val());

        name.push('barangay_id');
        value.push($("#addChildForm select[name='barangay_id']").val());

        name.push('sex');
        value.push($("#addChildForm select[name='sex']").val());

        var string = $.ajax({
            type:'POST',
            url:site_url+'BHW/addChild/saveToDatabase',
            async: false,
            data: {'name': JSON.stringify(name), 'value': JSON.stringify(value)},
            dataType: "JSON"
        }).responseText;

        var data=JSON.parse(string);
        if(data.result==false){
            alert('Error saving to database.');
            $("#addChildForm input").not("[type='submit']").val("");
            $.fancybox.close();
            return false;
        }

        var string = $.ajax({
            type:'POST',
            url:site_url+'BHW/addChild/getAssessment',
            async: false,
            data: {'height': $('#addChildForm input[name="height"]').val(),'weight': $('#addChildForm
input[name="weight"]').val(), 'sex': $('#addChildForm select[name="sex"]').val(),
                'age': child.age, 'child_id': data.child_id, 'month':date.getMonth()+1, 'year':
                date.getFullYear()},
            dataType: "JSON"
        }).responseText;

        var c_id=data.child_id;
        var b_id=$('#addChildForm select[name="barangay_id"]').val();

        var data=JSON.parse(string);
        if(data.result==false){
            alert('Error saving child assessment to database.');
            $("#addChildForm input").not("[type='submit']").val("");
            $.fancybox.close();
            return false;
        }
        else{
            alert('Child successfully saved.');
            $("#addChildForm input").not("[type='submit']").val("");
            $.fancybox.close();
            window.location=site_url+'BHW/viewChild/index/'+c_id+'/'+b_id;

        }
        return false;
    });

    function isNumber(n) {
        return !isNaN(parseFloat(n)) && isFinite(n);
    }

```

```

//views/includes/guest_navbar.php

<!--LOGIN AND FORGOT PASSWORD-->
<div id='guestForm' style='display:none'>

<div id=loginDiv style='position: center; width: 244px; height: 300px; margin: 0px auto; text-align: center;'>
    <form id='loginForm' method='POST'>
        <div class='form-signin'>
            <br>
            <center><label class="inline">Log in as:</label></center><br>

```

```

<select class='form-control' name="mode" id='mode' class=input_row style='background-color:
#fff'>
    <option value="admin">Admin</option>
    <option value="BHCadmin">BHC Admin</option>
    <option value="BHW">Barangay Health Worker</option>
</select>

<input class='form-control' TYPE = "text" name="username" id='usernameLogin' placeholder="Username"
SIZE=25 required>
<input class='form-control' TYPE = "password" name="password" id='passwordLogin'
placeholder="Password" SIZE=25 required>
</div>
<br>
<div class=login>
    <input class="btn btn-primary" TYPE = "submit" name="submit" value = "Log in">
    <a class="btn btn-default" id='cancelLogin' role='button' href='#'>Cancel</a><br>
    <a class="btn btn-default" style='margin-top: 5px;' role='button' id="registerBHC">Register your
BHC</a><br>
    <a href="#" style='color: #800000' id='forgotPassword'>Forgot your password?</a>
</div>
</form>
</div>

<div id=registerBHCDiv style='width:700px; height: 500px; position: center; display:none'>
</div>

<div id=registerBHCadminDiv style='width:400px; height: 370px; position: center; display:none'>
    <form id="registerBHCadminForm">
        <center><h2>BHC Admin Registration</h2></center>
        <center>Please fill in all the fields.</center>
        <input class="form-control" TYPE = "text" name="name" placeholder="Name"
SIZE=40 required>
        <input class="form-control" TYPE = "text" name="surname"
placeholder="Surname" SIZE=40 required>
        <input class="form-control" TYPE = "text" name="username"
placeholder="Username" SIZE=25 required>
        <input class="form-control" pattern=".{6,10}" TYPE = "password"
name="password" maxlength=10 placeholder="Password (6-10 characters)" required>
        <input class="form-control" pattern=".{6,10}" TYPE = "password" id=confirm
maxlength=10 placeholder="Confirm Password" SIZE=25 required>
        <input class="form-control" TYPE = "text" name="email" placeholder="E-mail"
SIZE=25 required>
        <input class="form-control" TYPE = "text" name="number" placeholder="Contact
No." maxlength=15 required>
        <br><br>
        <INPUT class="btn btn-primary" TYPE = "submit" name="submit" value = "Register">
        <a class="btn btn-default" id='cancelRegisterBHCadmin' role='button' href='#'>Cancel</a><br>
    </center>
    </form>
</div>

<div id=forgotPasswordDiv style='width:650px; height: 200px; position: center; width: 244px; margin: 0px auto; text-align: center;
display:none'>
    <center><h2>Forgot Password</h2></center>
    <div class='form-signin'>
        Type in your e-mail address:
        <form id=forgotPasswordForm method='POST'>
            <input class='form-control' TYPE = "text" name="email" id='email' placeholder="E-mail" SIZE=25 required>
            <br><br>
            <div class=login>
                <INPUT class="btn btn-primary" TYPE = "submit" name="submit" value = "Submit">
                <a class="btn btn-default" id='cancelForgotPassword' role='button' href='#'>Cancel</a><br>
            </div>
            </form>
        </div>
    </div>
<!--end login and forgot password-->
</div>

```

```

<script>
    $(document).ready(function() {
        var site_url='<?php echo site_url(); ?>';
        var bhc_id;
        /*
        * This function calls fancybox upon clicking the login button.
        */
        $('#login').bind('click',function() {
            $.fancybox({
                'href' : '#loginDiv',
                'autoScale': true,
                'transitionIn': 'fade',
                'transitionOut': 'fade',
                'type': 'inline',
                'modal': true
            });
            return false;
        });

        $('#registerBHC').bind('click',function() {
            $('#registerBHCDiv').load('BHCadmin/register');
            $.fancybox.close();
            $.fancybox({
                'href' : '#registerBHCDiv',
                'autoScale': true,
                'transitionIn': 'fade',
                'transitionOut': 'fade',
                'type': 'inline',
                'modal': true
            });
        });

        $('#forgotPassword').bind('click',function() {
            $.fancybox.close();
            $.fancybox({
                'href' : '#forgotPasswordDiv',
                'autoScale': true,
                'transitionIn': 'fade',
                'transitionOut': 'fade',
                'type': 'inline',
                'modal': true
            });
        });

        /*
        * This function closes fancybox.
        */
        $('#cancelLogin').bind('click',function() {
            $.fancybox.close();
        });

        $('#cancelForgotPassword').bind('click',function() {
            $.fancybox.close();
            $.fancybox({
                'href' : '#loginDiv',
                'autoScale': true,
                'transitionIn': 'fade',
                'transitionOut': 'fade',
                'type': 'inline',
                'modal': true
            });
        });

        $('body').on('click', '#cancelRegisterBHC',function() {
            console.log('cancel register bhc button clicked');
            $.fancybox.close();
            $.fancybox({
                'href' : '#loginDiv',
                'autoScale': true,
                'transitionIn': 'fade',
                'transitionOut': 'fade',
                'type': 'inline',
                'modal': true
            });
        });
    });

```

```

    });
    });

    $('#body').on('click', '#cancelRegisterBHCadmin', function() {
        console.log('cancel register bhc admin button clicked');
        var c=confirm("Are you sure you want to cancel your registration?");
        if(c){
            $('#registerBHCadminForm .form-control').val("");
            $.fancybox.close();
        }
    });

    $('#loginForm').on('submit', function(e) {
        e.preventDefault();
        var mode = $('#mode').val();
        var username = $('#usernameLogin').val();
        var password = $('#passwordLogin').val();

        var string = $.ajax({
            type:'POST',
            url:site_url+'guest/login/verifyLogin',
            async: false,
            data: {"mode":mode, "username":username, "password": password},
            dataType: "JSON",
        }).responseText;

        var temp=JSON.parse(string);

        console.log(string);
        console.log('hello');

        if(temp.result==true){
            $(location).attr('href',site_url+'home');
            return false;
        }

        alert(temp.result);
        $('input').not('input[type=submit]').val('');
        return false;
    });

    $('#forgotPasswordForm').on('submit', function(e) {
        e.preventDefault();
        var email = $('#email').val();
        var string = $.ajax({
            type:'POST',
            url: site_url+'forgotPassword/sendMail',
            async: false,
            data: {"email": email},
            dataType: "JSON",
        }).responseText;
        console.log(string);
        var temp=JSON.parse(string);

        alert(temp.result);

        if(temp.close){
            $('#loginDiv').show();
            $('#forgotPasswordDiv').hide();
            $('input').not('input[type=submit]').val('');
            $.fancybox.close();
            return false;
        }

        $('input').not('input[type=submit]').val('');
        return false;
    });

    $("body").on("submit", "#registerBHCForm", function(){
        event.preventDefault();

        var mun=$("#registerBHCForm #municipality").val();
        var bhcName=$("#registerBHCForm #bhcname").val();

        if(mun==-1){
            alert("Please select a city/municipality.");
        }
    });

```



```

    });
    </script>

//views/includes/navbar.php
<?php
    //NAVIGATION BAR
    /*
     * This view file fetches the necessary menu links from the config file for the current user.
     */
    $this->config->load('menu', TRUE);
    $mode=$this->session->userdata('mode');
    $menu=$this->config->item('menu');
    $menu=$menu[$mode];

?>

<div id='pagenav' style='float:top'>
<ul class="nav navbar-nav">
    <?php
        foreach($menu as $m){
            if(!is_array($m[2])){
                $url='#';
                if($m[2]!=='#'){
                    $url=site_url($m[2]);
                }
                /*
                 * If there is no submenu, display the link.
                 */
            ?>
                <li id='<?php echo $m[1]; ?>'><a href="<?php echo $url ?>"><?php echo $m[0]; ?></a></li>
            <?php
            }
            else{
                /*
                 * else, there is a submenu, we need to create a dropdown.
                 */
            ?>
                <li class='dropdown'>
                    <a href="#" class="dropdown-toggle" data-toggle="dropdown"><?php echo $m[0]; ?>
                    <ul class="dropdown-menu">
                        <?php
                            foreach($m[2] as $submenu{
                                $url='#';
                                if($submenu[2]!=='#'){
                                    $url=site_url($submenu[2]);
                                }
                                /*
                                 * If there is no submenu, display the link.
                                 */
                            ?>
                            <li id='<?php echo $submenu[1]; ?>'><a href="<?php echo $url ?>"><?php echo $submenu[0]; ?></a></li>
                        <?php
                        } ?>
                    </ul>
                </li>
            <?php
            }
        }
    ?>
</ul>
</div>

<?php $this->load->view('includes/'.$mode.'._navbar'); ?>

<!--for fancybox operations-->

<!--change username-->
<div id='changeUsernameDiv' style='position: center; width: 244px; margin: 0px auto; text-align: center; display:none'>
    <center><h3>Change Username</h3></center>
    <form id='changeUsernameForm' method='POST'>
        <input class='form-control' TYPE = "text" name="username" id="username" placeholder="New username" SIZE=25
required>
        <input class='form-control' TYPE = "password" name="password" id="password0" placeholder="Password" SIZE=25
required>
        <br><br>
        <div class=login>
            <INPUT class="btn btn-primary" TYPE = "submit" name="submit" value = "Submit">
    </div>
</form>
</div>

```

```

        <a class="btn btn-default" id='cancelChangeUsername' role='button' href="#">Cancel</a><br>
    </div>
</form>
</div>

<!--change password-->
<div id='changePasswordDiv' style='position: center; width: 244px; margin: 0px auto; text-align: center; display:none'>
    <center><h3>Change Password</h3></center>
    <form id='changePasswordForm' method='POST'>
        <input class='form-control' TYPE = "password" id="oldpw" placeholder="Old Password" SIZE=25 required>
        <input class='form-control' TYPE = "password" id="newpw" placeholder="New Password" SIZE=25 required>
        <input class='form-control' TYPE = "password" id="confirm" placeholder="Confirm New Password" SIZE=25 required>

        <br><br>
        <div class=login>
            <INPUT class="btn btn-primary" TYPE = "submit" name="submit" value = "Submit">
            <a class="btn btn-default" id='cancelChangePassword' role='button' href="#">Cancel</a><br>
        </div>
    </form>
</div>

<script>
$(document).ready(function() {

    var site_url='<?php echo site_url(); ?>';
    /*
     * This function calls fancybox upon clicking the login button.
     */

    $('#changeUsername').bind('click',function() {
        $.fancybox({
        'href': '#changeUsernameDiv',
        'width': '40%',
        'height': '40%',
        'autoScale': true,
        'transitionIn': 'fade',
        'transitionOut': 'fade',
        'type': 'inline',
        'modal': true
    });
    return false;
});

    $('#changePassword').bind('click',function() {
        $.fancybox({
        'href': '#changePasswordDiv',
        'width': '40%',
        'height': '40%',
        'autoScale': true,
        'transitionIn': 'fade',
        'transitionOut': 'fade',
        'type': 'inline',
        'modal': true
    });
    return false;
});

    $('#editProfile').bind('click',function() {
        $.fancybox({
        'href': '#editProfileDiv',
        'width': '40%',
        'height': '40%',
        'autoScale': true,
        'transitionIn': 'fade',
        'transitionOut': 'fade',
        'type': 'inline',
        'modal': true
    });
    return false;
});

/*
 * This function closes fancybox.

```

*/

```
$('#cancelChangeUsername').bind('click',function() {
$.fancybox.close();
});

$('#cancelChangePassword').bind('click',function() {
$.fancybox.close();
});

$('#changeUsernameForm').on('submit', function(e) {
e.preventDefault();
var username = $('#username').val();
var password = $('#password0').val();
console.log('password:' + password);
var string = $.ajax({
    type: 'POST',
    url: site_url + 'changeUNPW/checkUsername',
    async: false,
    data: {"username": username, "password": password},
    dataType: "JSON",
}).responseText;
console.log(string);

var temp = JSON.parse(string);

if(temp.result == true){
    alert(temp.message);
    $('input').not('input[type=submit]').val('');
    $.fancybox.close();
    $('#headerUsername').html(username + '!');
    return false;
}

alert(temp.result);

$('input').not('input[type=submit]').val('');
return false;
});

$('#changePasswordForm').on('submit', function(e) {
e.preventDefault();
var oldpw = $('#oldpw').val();
var newpw = $('#newpw').val();
var confirm = $('#confirm').val();

console.log('oldpw:' + oldpw + ' newpw:' + newpw + ' confirm:' + confirm);
if(newpw != confirm){
    alert('Passwords do not match!');
    $('#newpw').val('');
    $('#newpw').focus();
    $('#confirm').val('');
    return false;
}
var string = $.ajax({
    type: 'POST',
    url: site_url + 'changeUNPW/checkPassword',
    async: false,
    data: {"oldpw": oldpw, "newpw": newpw, "confirm": confirm},
    dataType: "JSON",
}).responseText;
console.log(string);

var temp = JSON.parse(string);

if(temp.result == true){
    alert(temp.message);
    $('input').not('input[type=submit]').val('');
    $.fancybox.close();
    return false;
}

alert(temp.result);

$('input').not('input[type=submit]').val('');
```

```

        return false;
    });
});
</script>

//views/home_view.php
<?php
echo link_tag('css/view.css');
?>

<script src="https://maps.googleapis.com/maps/api/js?v=3.exp&sensor=false"></script>

<script>
var clear=0;
var baseUrl = "<?php echo site_url(); ?>";
var map;
var xml;
var dates;
var mun;
var cities = new Array();
var stat_name= ["",
    "Severely Stunted", "Stunted", "Normal", "Tall",
    "Severely Underweight", "Underweight", "Normal", "Overweight",
    "Severely Wasted", "Wasted", "Normal", "Overweight", "Obese"];

var styles = [
    {
        "featureType": "landscape",
        "stylers": [
            { "visibility": "off" }
        ]
    },
    {
        "featureType": "administrative",
        "stylers": [
            { "visibility": "off" }
        ]
    },
    {
        "featureType": "road",
        "stylers": [
            { "visibility": "off" }
        ]
    },
    {
        "featureType": "poi",
        "stylers": [
            { "visibility": "off" }
        ]
    },
    {
        "stylers": [
            { "invert_lightness": false }
        ]
    }
];

var colors1 = ['#097a3d', '#10b359', '#8bb84a', '#c8c94b', '#cd7a19', '#cd5d19', '#cd2a0f', '#b50000'];
function getMunicipalities(prov, date){
    var string = $.ajax({
        url: baseUrl+"home/getMunicipalities",
        async: false,
        dataType: "json",
        type:"POST",
        data:{'province': prov, 'date': date}
    }).responseText;

    return JSON.parse(string);
}//end getMunicipalities

function getColor(j,prev){
    console.log('stat:' + j + ' prev:' + prev);
    if(j==3 || j==4 || j==7 || j==11){
        if(prev==0){
            return colors1[7];
        }

        var i=Math.ceil(prev/5);
        if(i<14){
            return colors1[7];
        }
        return colors1[20-i];
    }
    else{

```

```

        if(prev==0){
            return colors1[0];
        }
        var i=Math.ceil(prev/5);
        if(i>8){
            return colors1[7];
        }
        return colors1[i-1];
    }
}

function getXML(province_id){

    xml= $.ajax({
        type: "GET",
        async: false,
        url:'<?php echo base_url();?>'+xml+'/'+province_id+'.xml',
        dataType: "xml"
    }).responseText;

    //console.log('here'+xml);

    xml= $.parseXML(xml);
}
function getPolygon(id, province_id){

    var polygon=new Array();
    var polCount=0;

    $(xml).find("Placemark").filter(function() {
        return $(this).find('id').text() ==id;
        /*
         * Since each city/municipality can have at least one polygon,
         * we loop through each set of coordinates from the xml file
         */
    }).find('coordinates').each(function(){
        console.log('new polygon');
        /*
         * coordinates are fetched in this manner:
         * <polygon>
         *   <coordinates>
         *     lat, long
         *
         *
         *     lat, long
         *   </coordinates>
         * so we split them by '\n' to get each pairs of points
         */
        var text=$(this).text().trim().split('\n');
        var temp=new Array();
        for(var i=0; i<text.length; i++){
            var point=text[i].split(',');
            temp.push(new google.maps.LatLng(point[1],point[0]));
        }
        /*
         * push 1 polygon to polygon array
         */
        polygon.push(temp);
    }); //end find function
    return polygon;
}

function getMalPrev(id){
    var string = $.ajax({
        url: baseUrl+"home/getMalPrev/"+id,
        async: false,
        dataType: "json"
    }).responseText;

    return JSON.parse(string);
}

function getStatus(index){
    var string="";
    console.log('indeex:'+index);
    if(index=="HA"){
        for(var i=1; i<=4; i++){

```

```

        string+="

```

```

                p[i].setOptions({strokeColor: "#000"});
            }
            // this.setOptions({strokeColor: "#000"});
            this.infoWindow.setContent(this.info);
            this.infoWindow.open(map);
            this.infoWindow.setPosition(event.latLng);
            // instead, place InfoWindow in preset location
            // this.infoWindow.setPosition(new google.maps.LatLng(-5,5));
        };//end mouseover

        google.maps.event.addListener(p[j],"mouseout",function(){
            for(var i=0; i

```

```

        stat=$("input[name='stat']:checked").val();
        if(stat==3 || stat==4 || stat==7 || stat==11){
            $('#legend').html("<img src=<?php echo base_url('images/2.png'); ?>
height=250/>");
        }
        else{
            $('#legend').html("<img src=<?php echo base_url('images/1.png'); ?>
height=250/>");
        }
        console.log('changed! stat number:' + stat + ' curr:' + curr);

        for(var i=0; i<mun.length; i++){
            for(var k=0; k<cities[i].statusPolygon[curr-1].length; k++){
                cities[i].statusPolygon[curr-
1][k].setMap(null);
            }
        }

        for(var i=0; i<mun.length; i++){
            for(var k=0; k<cities[i].statusPolygon[curr-1].length; k++){
                cities[i].statusPolygon[stat-
1][k].setMap(map);
            }
        }

        curr=stat;
    });

$( '#view' ).on( 'click', "input[name='index']", function () {
    clear=0;
    var index=$("input[name='index']:checked").val();
    console.log(index);
    for(var i=0; i<mun.length; i++){
        for(var k=0; k<cities[i].statusPolygon[curr-1].length; k++){
            cities[i].statusPolygon[curr-1][k].setMap(null);
        }
    }
    var st=getStatus(index);
    $('#status').html(st);
});

//on form submit
$('form[name="thisform"]').submit(function(event){

/*
 * clear map canvas
 */
if	clear==1{
    for(var i=0; i<mun.length; i++){
        for(var k=0; k<cities[i].statusPolygon[curr-1].length; k++){
            cities[i].statusPolygon[curr-1][k].setMap(null);
        }
    }
}

/*
 * loading
 */
$('.fancybox').fancybox({
    closeClick : false, // prevents closing when clicking INSIDE fancybox
    helpers : {
        overlay : {closeClick: false} // prevents closing when clicking OUTSIDE fancybox
    },
});
$.fancybox.helpers.overlay.open();
$.fancybox.showLoading();

event.preventDefault();
$('#label').html('Map of OPT results for the month of '+dates+':');
document.getElementById("WA").checked = true ;
$('#status').html(getStatus('WA'));

document.getElementById("WA").disabled = false;
document.getElementById("HA").disabled = false;
document.getElementById("WH").disabled = false;

```

```

        var province=$('#provinces').val();
        console.log('province:' + province);
        /*
         * We have to check if a province is selected.
         */
        if(province==0){
            $.fancybox.helpers.overlay.close();
            $.fancybox.hideLoading();
            alert('Please select a province to view.');
            $('#provinces').css('background-color', '#ffffa0');
            return false;
        }

        /*
         * fetch xml for current province
         */
        getXML(province);
        var date=$('#dates').val();
        var pro=getRegion(province);
        console.log('region name=' + pro.region);
        var center=getNewCenter(pro.name, pro.region);
        console.log(center.lat+ " " +center.lng);
        var newCenter=new google.maps.LatLng(center.lat,center.lng);
        map.setCenter(newCenter);
        map.setZoom(9);
        mun=getMunicipalities(province, date);
        for(var i=0, i<mun.length; i++){
            cities.push(new Array());
            var mal;
            if(date=='sample'){
                mal=getMalPrev('sample');
            }
            else {
                mal=getMalPrev(mun[i].maldate_id);
            }

            /*
             * poly=array(polygon, polygon,..., polygon)
             */
            var poly=getPolygon(mun[i].municipality_id, province);

            cities[i].statusPolygon=new Array();
            for(var j=1, j<14; j++){
                cities[i].statusPolygon.push(new Array());
                cities[i].statusPolygon[j-1]=new Array();
                var temp=new Array();
                var color=getColor(j, mal[j]);
                for( var k=0, k

```

```

}//end initialize

</script>
</head>
<body onload='initialize()' style='overflow: auto;'>

<div id='content' class='home bordered container' style='width:100%; overflow: auto'>
<div id='one' class='bordered panel panel-default left' style='left: 10px; width: 180px;'>

    <div id='datesDiv' style='margin: auto; text-align: left; font-size: 10px'>
        <div class='panel-title' style='text-align: center; width: 100%;'><h4>Instructions:</h4></div>
        1. Choose the date of the desired information.<br>
        2. Choose a province.<br>
        3. Choose a malnutrition index from the choices above the map.<br>
        4. Select a malnutrition status.<br>
        <br>
        *Only those provinces with available information will be shown from the drop-down menu.

    </div>
    <!--<hr style="color: #800000; margin-top: 20px;" /-->
    <br>

    <form name=thisform>
        <select class='form-control' style="background-color: #fff; width: 150px; margin: auto; font-size: 12px;" name="dates" id="dates">
            <option value=0>Select Date</option>
            <?php
                /*if(count($dates)==0){
                    ?>
                    <script>
                        alert("There is no available information yet. Please try again later.");
                    </script>
                    <?php
                }*/
                //else{
                    echo "<option value='sample'>Sample</option>";
                    for($i=0; $i<count($dates); $i++){
                        echo "<option value='".$dates[$i]."'>".$dates[$i]."</option>";
                    }
                //}
            ?>
        </select>
        <div id=province>
            <select class='form-control' style="background-color: #fffffa0; width: 150px; margin: auto; font-size: 12px;" name="provinces" id="provinces">
                <option value=0>Select Date First</option>
                </select>
            </div>
            <br>
            <div class=login style='border-style:none;'>
                <INPUT style='border-style:none; width: 150px' class="btn btn-primary" TYPE = "submit" name="submit" value = "Submit">
            </div>
        </form>

    </div>
    <div id='two' class='bordered panel panel-default left' style='left: 202px; width: 180px'>
        <div class='panel-title' style='text-align: center; width: 100%;'><h4>Malnutrition Index:</h4></div>
        <div id="status" style="height:100px; text-align: right;">
            <font color="#800000">Severely Underweight </font><input type="radio" name="stat" value="5" disabled><br>
            <font color="#800000">Underweight </font><input type="radio" name="stat" value="6" disabled><br>
            <font color="#800000">Normal </font><input type="radio" name="stat" value="7" disabled><br>
            <font color="#800000">Overweight </font><input type="radio" name="stat" value="8" disabled><br>
        </div>

        <div class='panel-title' style='text-align: center; width: 100%;'><h4>Legend:</h4></div>
        <div id='legend' style='height:100px; text-align: center;'>
            <img src=<?php echo base_url("images/1.png"); ?> height=250/>
        </div>
    </div>

    <div id='three' class='bordered panel panel-default right' style='right: 10px'>
        results</div>
        <div id=label style='padding-top:15px; font-size:20px; font-weight: bold;'>Map of OPT
        <div style='height:50px; padding-top:20px;'>
            <div id=view style='margin: auto; width: 100%;'>

```

```

<label style='width:200px; margin-left:15px; height: 30px; font: 12px Helvetica;'>
<input type=radio style='top: -30px; display:none' id='WA' name='index' value='WA' disabled>
<span style='text-align:center; font-size:16px; padding:5px; font-weight: bold'>Weight for Age</span>
</label>
<label style='width:200px; margin-left:15px; height: 30px; font: 8px Helvetica;'>
<input type=radio style='top: -30px; display:none' id='HA' name='index' value = 'HA' disabled>
<span style='text-align:center; font-size:16px; padding:5px; font-weight: bold'>Height for Age</span>
</label>
<label style='width:200px; margin-left:15px; height: 30px; font: 8px Helvetica;'>
<input type=radio style='top: -30px; display:none' id='WH' name='index' value="WH' disabled >
<span style='text-align:center; font-size:16px; padding:5px; font-weight: bold'>Weight for Height</span>
</label>
</div>
</div>

<!-- -->
</body>

<script type="text/javascript">
(function ($) {
    $(document).ready(function() {
        var bodyheight = $(window).height();
        var bodywidth = $(window).width();

        var containerHeight= bodyheight-155;
        var panelHeight = containerHeight-10;

        var threeWidth = bodywidth-415;
        $("#content").height(containerHeight+'px');
        $(".panel").height(panelHeight+'px');
        $("#three").width(threeWidth+'px');

    });

    // for the window resize
    $(window).resize(function() {
        var bodyheight = $(window).height();
        var bodywidth = $(window).width();

        var containerHeight= bodyheight-155;
        var panelHeight = containerHeight-10;

        var threeWidth = bodywidth-415;
        $("#content").height(containerHeight+'px');
        $(".panel").height(panelHeight+'px');
        $("#three").width(threeWidth+'px');
    });
})(jQuery);
</script>

//views/template.php
<head>
<!-- Bootstrap -->
<link href=<?php echo base_url("css/bootstrap.min.css");?> rel="stylesheet">
<link href=<?php echo base_url("css/page.css");?> rel="stylesheet">
<script src=<?php echo base_url("/js/jquery-1.10.2.min.js"); ?>></script>
<script src=<?php echo base_url("/js/bootstrap.min.js"); ?>></script>

<title><?php echo $title ?></title>
</head>

<!--Fancybox-->
<link rel="stylesheet" href=<?php echo base_url('fancybox/source/jquery.fancybox.css?v=2.1.4'); ?>" type='text/css' media='screen'>
<script type='text/javascript' src=<?php echo base_url('fancybox/source/jquery.fancybox.pack.js?v=2.1.4');?>"></script>
<script type='text/javascript' src=<?php echo base_url('/fancybox/lib/jquery.mousewheel-3.0.6.pack.js')?>"></script>

```

```

<?php
if($this->session->userdata('page')!='all'){
    if($this->uri->rsegment(1) != 'home' && $this->session->userdata('logged_in') && $this->session->userdata('page')){
        redirect('home');
    }
}

?>

<div id="wrap" ></div>

<?php $this->load->view('includes/header'); ?>

<div class="navbar navbar-default navbar-static-top" role="navigation">
<div class="container">

<div class="collapse navbar-collapse">
    <?php $this->load->view('includes/navbar'); ?>

    </div><!--.nav-collapse -->
</div>
</div>

<?php $this->load->view($main_content); ?>

</div>
<!--
<div id="footer">
    <div class="container">
        A project by MobiQuick PH. Copyright 2013. All rights reserved.
    </div>
</div>
-->

//css/page.css
body{
    font: normal 14px/1.4 "Helvetica Neue", "HelveticaNeue", Helvetica, Arial, sans-serif;
    background-color: #f0eeee;
    overflow: auto;
    width: 100%;
    height: 100%;
}

.container{
    padding: 10px;
    width: 100%;
}

.center{
    display: inline;
}

.left{
    float: left;
    margin-right: 5px;
}

.btn-primary:hover, .btn-primary:focus{
    background-image: none !important;
    border-color: #9A2B38 !important;
    background-color: #800000 !important;
}

.btn-primary{
    background-image: linear-gradient(to bottom, #921E1E 0, #800000 100%) !important;
    background-repeat: repeat-x !important;
    border-color: #9A2B38 !important;
    color: #fff;
}

.btn-clicked, .btn-clicked:hover{
    background-image: none !important;
    background-color: #404040 !important;
    border-color: #272727 !important;
}

```

```

}

.btnAdded{
    background-color: #404040 !important;
    border-color: #272727 !important;
    color: #fff !important;
}

.form-control{
    display:inline;
    margin: auto;
}
.hide{
    display: none;
}

.panel{
    padding: 5px;
    overflow: auto;

margin: 0px !important;
}

.right{
    float: right;
}

.header{
    background: #800000;
    text-align: center;
    color: #FFFFFF;
    padding: 10px;
    margin-top: 0;
    font-size: 17px;
    font-style: bold;
}

/*TABLES */
.table {
    table-layout: fixed;
    margin-bottom: 0;
}

.panel-heading {
    padding: 0;
    border-bottom: 0;
}

.table-container .panel{
    margin-bottom: 0px;
    padding: 0px;
    margin: auto;
}

tbl-heading{
    border-collapse: separate;
    border-spacing: 3px;
}

.table-opt{
    text-align: center;
}

.th-maroon, .table-opt th{
    background-color: #800000;
    color: #fff;
    border-radius: 2px;
    text-align: center;
    padding: 3px!important;
}

.table-opt td{
    border-style: solid;
    border-width: 1px;
    border-top: 1px solid #000;
    padding: 3px !important;
}

.form-table th, .form-table td{
    border: none;
}

```

```

        border-top: none !important;
    }

.form-table{
    border-radius: 5px;
    border: 2px solid #800000;
    padding: 10px;
}

.form-table .form-control{
    height: 30px;
}

/* HEADER PROPERTIES */
.masthead{
    padding: 10px;
}

/*NAVIGATION BAR */
#pagenav{
    width: 100%;
}

.navbar{
    margin-bottom: 0px;
    height: 15px;
    font-size: 15px;
}

.navbar-default .navbar-collapse{
    background-color: #800000;
    width: 100%;
}

.navbar-default .navbar-nav li a:hover{
    background: #727070;
}

.navbar-default .navbar-nav .dropdown-menu li a{
    color: #800000;
}

.navbar-default .navbar-nav li a, .navbar-default .navbar-nav li a:focus,.navbar-default .navbar-nav li a:hover{
    color: #fff;
}

.navbar .container{
    padding: 0px;
}

/* FOOTER */
#footer .container{
    width: 100%;
    margin: auto;
    text-align: center;
}

.bordered{
    border:1px solid #800000;
    text-align: center;
}

.brgy {
    font-family: verdana, geneva, arial, helvetica, sans-serif;
    font-size:14px;
    font-weight:bold;
    margin: auto;
    width: 500px;
    text-align:center;
}

.brgy table th{
    background-color: 800000;
    color: fff;
}

```

```

.brgy table, .brgy td{
    border:1px solid #800000;
    text-align: center;
}

/* HOME */
.home .panel{
    position: absolute;
}

.home #view label{
    float: none;
}

//fancybox/source/jquery.fancybox.js
/*
 * fancyBox - jQuery Plugin
 * version: 2.1.4 (Thu, 10 Jan 2013)
 * @requires jQuery v1.6 or later
 *
 * Examples at http://fancyapps.com/fancybox/
 * License: www.fancyapps.com/fancybox/#license
 *
 * Copyright 2012 Janis Skarnelis - janis@fancyapps.com
 *
 */

(function (window, document, $, undefined) {
    "use strict";

    var W = $(window),
        D = $(document),
        F = $.fancybox = function () {
            F.open.apply( this, arguments );
        },
        IE = navigator.userAgent.match(/msie/),
        didUpdate = null,
        isTouch = document.createTouch !== undefined,
        isQuery = function(obj) {
            return obj && obj.hasOwnProperty('instanceof') && obj instanceof $;
        },
        isString = function(str) {
            return str && $.type(str) === "string";
        },
        isPercentage = function(str) {
            return isString(str) && str.indexOf('%') > 0;
        },
        isScrollable = function(el) {
            return (el && !(el.style.overflow && el.style.overflow === 'hidden') && ((el.clientWidth && el.scrollWidth > el.clientWidth) || (el.clientHeight && el.scrollHeight > el.clientHeight)));
        },
        getScalar = function(orig, dim) {
            var value = parseInt(orig, 10) || 0;

            if (dim && isPercentage(orig)) {
                value = F.getViewport()[dim] / 100 * value;
            }

            return Math.ceil(value);
        },
        getValue = function(value, dim) {
            return getScalar(value, dim) + 'px';
        };

    $.extend(F, {
        // The current version of fancyBox
        version: '2.1.4',

        defaults: {
            padding : 15,
            margin : 20,

            width : 800,
            height : 600,
            minWidth : 100,
            minHeight : 100,
        }
    });
})

```

```

maxWidth : 9999,
maxHeight : 9999,

autoSize : true,
autoHeight : false,
autoWidth : false,

autoResize : true,
autoCenter : lisTouch,
fitToView : true,
aspectRatio : false,
topRatio : 0.5,
leftRatio : 0.5,

scrolling : 'auto', // 'auto', 'yes' or 'no'
wrapCSS : "",

arrows : true,
closeBtn : true,
closeClick : false,
nextClick : false,
mouseWheel : true,
autoPlay : false,
playSpeed : 3000,
preload : 3,
modal : false,
loop : true,

ajax : {
    dataType : 'html',
    headers : {'X-fancyBox': true }
},
iframe : {
    scrolling : 'auto',
    preload : true
},
swf : {
    wmode: 'transparent',
    allowfullscreen : 'true',
    allowscriptaccess : 'always'
},
keys : {
    next : {
        13 : 'left', // enter
        34 : 'up', // page down
        39 : 'left', // right arrow
        40 : 'up' // down arrow
    },
    prev : {
        8 : 'right', // backspace
        33 : 'down', // page up
        37 : 'right', // left arrow
        38 : 'down' // up arrow
    },
    close : [27], // escape key
    play : [32], // space - start/stop slideshow
    toggle : [70] // letter "f" - toggle fullscreen
},
direction : {
    next : 'left',
    prev : 'right'
},
scrollOutside : true,

// Override some properties
index : 0,
type : null,
href : null,
content : null,
title : null,

// HTML templates
tpl: {
    wrap : '<div class="fancybox-wrap" tabIndex="-1"><div class="fancybox-skin"><div',
    class="fancybox-outer"><div class="fancybox-inner"></div></div></div></div>',
    image : '',
}

```

```

        iframe : '<iframe id="fancybox-frame{rnd}" name="fancybox-frame{rnd}" class="fancybox-iframe" frameborder="0" vspace="0" hspace="0" webkitAllowFullScreen mozallowfullscreen allowFullScreen' + (IE ? ' allowtransparency="true"' : '') + '></iframe>',
        error : '<p class="fancybox-error">The requested content cannot be loaded.<br/>Please try again later.</p>',
        closeBtn : '<a title="Close" class="fancybox-item fancybox-close" href="javascript:;"></a>',
        next : '<a title="Next" class="fancybox-nav fancybox-next" href="javascript:;"><span></span></a>',
        prev : '<a title="Previous" class="fancybox-nav fancybox-prev" href="javascript:;"><span></span></a>',
    },

    // Properties for each animation type
    // Opening fancyBox
    openEffect : 'fade', // 'elastic', 'fade' or 'none'
    openSpeed : 250,
    openEasing : 'swing',
    openOpacity : true,
    openMethod : 'zoomIn',

    // Closing fancyBox
    closeEffect : 'fade', // 'elastic', 'fade' or 'none'
    closeSpeed : 250,
    closeEasing : 'swing',
    closeOpacity : true,
    closeMethod : 'zoomOut',

    // Changing next gallery item
    nextEffect : 'elastic', // 'elastic', 'fade' or 'none'
    nextSpeed : 250,
    nextEasing : 'swing',
    nextMethod : 'changeIn',

    // Changing previous gallery item
    prevEffect : 'elastic', // 'elastic', 'fade' or 'none'
    prevSpeed : 250,
    prevEasing : 'swing',
    prevMethod : 'changeOut',

    // Enable default helpers
    helpers : {
        overlay : true,
        title : true
    },
    // Callbacks
    onCancel : $.noop, // If canceling
    beforeLoad : $.noop, // Before loading
    afterLoad : $.noop, // After loading
    beforeShow : $.noop, // Before changing in current item
    afterShow : $.noop, // After opening
    beforeChange : $.noop, // Before changing gallery item
    beforeClose : $.noop, // Before closing
    afterClose : $.noop // After closing
},
//Current state
group : {}, // Selected group
opts : {}, // Group options
previous : null, // Previous element
coming : null, // Element being loaded
current : null, // Currently loaded element
isActive : false, // Is activated
isOpen : false, // Is currently open
isOpened : false, // Have been fully opened at least once

wrap : null,
skin : null,
outer : null,
inner : null,

player : {
    timer : null,
    isActive : false
},
// Loaders
ajaxLoad : null,
imgPreload : null,
// Some collections

```

```

transitions : {},
helpers   : {},


/*
 *      Static methods
 */

open: function (group, opts) {
    if (!group) {
        return;
    }

    if (!$.isPlainObject(opts)) {
        opts = {};
    }

    // Close if already active
    if (false === F.close(true)) {
        return;
    }

    // Normalize group
    if (!$.isArray(group)) {
        group = isQuery(group) ? $(group).get() : [group];
    }

    // Recheck if the type of each element is 'object' and set content type (image, ajax, etc)
    $.each(group, function(i, element) {
        var obj = {},
            href,
            title,
            content,
            type,
            rez,
            hrefParts,
            selector;

        if ($.type(element) === "object") {
            // Check if is DOM element
            if (element.nodeType) {
                element = $(element);
            }

            if (isQuery(element)) {
                obj = {
                    href  : element.data('fancybox-href') || element.attr('href'),
                    title : element.data('fancybox-title') || element.attr('title'),
                    isDom : true,
                    element: element
                };
            }

            if ($.metadata) {
                $.extend(true, obj, element.metadata());
            }
        } else {
            obj = element;
        }
    });

    href = opts.href || obj.href || (isString(element) ? element : null);
    title = opts.title !== undefined ? opts.title : obj.title || "";

    content = opts.content || obj.content;
    type   = content ? 'html' : (opts.type || obj.type);

    if (!type && obj.isDom) {
        type = element.data('fancybox-type');

        if (!type) {
            rez = element.prop('class').match(/fancybox\.(w+)/);
            type = rez ? rez[1] : null;
        }
    }

    if (isString(href)) {
        // Try to guess the content type
        if (!type) {
            if (F.isImage(href)) {

```

```

        type = 'image';

    } else if (F.isSWF(href)) {
        type = 'swf';

    } else if (href.charAt(0) === '#') {
        type = 'inline';

    } else if (isString(element)) {
        type = 'html';
        content = element;
    }
}

// Split url into two pieces with source url and content selector, e.g,
// "/mypage.html #my_id" will load "/mypage.html" and display element having id
"my_id"

if (type === 'ajax') {
    hrefParts = href.split(/\s+/, 2);
    href = hrefParts.shift();
    selector = hrefParts.shift();
}
}

if (!content) {
    if (type === 'inline') {
        if (href) {
            content = $(isString(href) ? href.replace(/.*(?:#[^\s]+$)/,
") : href); //strip for ie7

        } else if (obj.isDom) {
            content = element;
        }

        } else if (type === 'html') {
            content = href;
        }

        } else if (!type && !href && obj.isDom) {
            type = 'inline';
            content = element;
        }
}
}

$.extend(obj, {
    href : href,
    type : type,
    content : content,
    title : title,
    selector : selector
});
group[ i ] = obj;
});

// Extend the defaults
F.opts = $.extend(true, {}, F.defaults, opts);

// All options are merged recursive except keys
if (opts.keys !== undefined) {
    F.opts.keys = opts.keys ? $.extend({}, F.defaults.keys, opts.keys) : false;
}

F.group = group;

return F._start(F.opts.index);
},
// Cancel image loading or abort ajax request
cancel: function () {
    var coming = F.coming;

    if (!coming || false === F.trigger('onCancel')) {
        return;
    }

    F.hideLoading();

    if (F.ajaxLoad) {
        F.ajaxLoad.abort();
    }
}

```

```

F.ajaxLoad = null;

if (F.imgPreload) {
    F.imgPreload.onload = F.imgPreload.onerror = null;
}

if (coming.wrap) {
    coming.wrap.stop(true, true).trigger('onReset').remove();
}

F.coming = null;

// If the first item has been canceled, then clear everything
if (!F.current) {
    F._afterZoomOut( coming );
}
},

// Start closing animation if is open; remove immediately if opening/closing
close: function (event) {
    F.cancel();

    if (false === F.trigger('beforeClose')) {
        return;
    }

    F.unbindEvents();

    if (!F.isActive) {
        return;
    }

    if (!F.isOpen || event === true) {
        $('.fancybox-wrap').stop(true).trigger('onReset').remove();

        F._afterZoomOut();

    } else {
        F.isOpen = F.isOpened = false;
        F.isClosing = true;

        $('.fancybox-item, .fancybox-nav').remove();

        F.wrap.stop(true, true).removeClass('fancybox-opened');

        F.transitions[ F.current.closeMethod ]();
    }
}

// Manage slideshow:
// $.fancybox.play(); - toggle slideshow
// $.fancybox.play( true ); - start
// $.fancybox.play( false ); - stop
play: function ( action ) {
    var clear = function () {
        clearTimeout(F.player.timer);
    },
    set = function () {
        clear();

        if (F.current && F.player.isActive) {
            F.player.timer = setTimeout(F.next, F.current.playSpeed);
        }
    },
    stop = function () {
        clear();

        $('body').unbind('.player');

        F.player.isActive = false;

        F.trigger('onPlayEnd');
    },
    start = function () {
        if (F.current && (F.current.loop || F.current.index < F.group.length - 1)) {
            F.player.isActive = true;

            $('body').bind({
                'afterShow.player onUpdate.player' : set,
                'onCancel.player beforeClose.player' : stop,
                'beforeLoad.player' : clear
            });
        }
    }
}

```

```

        });
        set();
        F.trigger('onPlayStart');
    }
};

if (action === true || (!F.player.isActive && action !== false)) {
    start();
} else {
    stop();
}
},
// Navigate to next gallery item
next: function ( direction ) {
    var current = F.current;

    if (current) {
        if (!isString(direction)) {
            direction = current.direction.next;
        }

        F.jumpTo(current.index + 1, direction, 'next');
    }
},
// Navigate to previous gallery item
prev: function ( direction ) {
    var current = F.current;

    if (current) {
        if (!isString(direction)) {
            direction = current.direction.prev;
        }

        F.jumpTo(current.index - 1, direction, 'prev');
    }
},
// Navigate to gallery item by index
jumpTo: function ( index, direction, router ) {
    var current = F.current;

    if (!current) {
        return;
    }

    index = getScalar(index);

    F.direction = direction || current.direction[ (index >= current.index ? 'next' : 'prev') ];
    F.router = router || 'jumpTo';

    if (current.loop) {
        if (index < 0) {
            index = current.group.length + (index % current.group.length);
        }

        index = index % current.group.length;
    }

    if (current.group[ index ] !== undefined) {
        F.cancel();

        F._start(index);
    }
},
// Center inside viewport and toggle position type to fixed or absolute if needed
reposition: function (e, onlyAbsolute) {
    var current = F.current,
        wrap = current ? current.wrap : null,
        pos;

    if (wrap) {
        pos = F._getPosition(onlyAbsolute);

        if (e && e.type === 'scroll') {
            delete pos.position;
        }
    }
}

```

```

        wrap.stop(true, true).animate(pos, 200);

    } else {
        wrap.css(pos);
    }
}

update: function (e) {
    var type = (e && e.type),
        anyway = !type || type === 'orientationchange';

    if (anyway) {
        clearTimeout(didUpdate);

        didUpdate = null;
    }

    if (!F.isOpen || didUpdate) {
        return;
    }

    didUpdate = setTimeout(function() {
        var current = F.current;

        if (!current || F.isClosing) {
            return;
        }

        F.wrap.removeClass('fancybox-tmp');

        if (anyway || type === 'load' || (type === 'resize' && current.autoResize)) {
            F._setDimension();
        }

        if (!(type === 'scroll' && current.canShrink)) {
            F.reposition(e);
        }

        F.trigger('onUpdate');

        didUpdate = null;
    }, (anyway && !isTouch ? 0 : 300));
},
// Shrink content to fit inside viewport or restore if resized
toggle: function (action) {
    if (F.isOpen) {
        F.current.fitToView = $.type(action) === "boolean" ? action : !F.current.fitToView;

        // Help browser to restore document dimensions
        if (isTouch) {
            F.wrapremoveAttr('style').addClass('fancybox-tmp');

            F.trigger('onUpdate');
        }
    }

    F.update();
},
hideLoading: function () {
    D.unbind('.loading');

    $('#fancybox-loading').remove();
},
showLoading: function () {
    var el, viewport;

    F.hideLoading();

    el = $('

<div></div></div></div>').click(F.cancel).appendTo('body');

    // If user will press the escape-button, the request will be canceled
    D.bind("keydown.loading", function(e) {
        if ((e.which || e.keyCode) === 27) {
            e.preventDefault();
        }
    });
}


```

```

        F.cancel();
    }
});

if (!F.defaults.fixed) {
    viewport = F.getViewport();

    el.css({
        position : 'absolute',
        top : (viewport.h * 0.5) + viewport.y,
        left : (viewport.w * 0.5) + viewport.x
    });
}

getViewport: function () {
    var locked = (F.current && F.current.locked) || false,
        rez = {
            x: W.scrollLeft(),
            y: W.scrollTop()
        };

    if (locked) {
        rez.w = locked[0].clientWidth;
        rez.h = locked[0].clientHeight;
    } else {
        // See http://bugs.jquery.com/ticket/6724
        rez.w = isTouch && window.innerWidth ? window.innerWidth : W.width();
        rez.h = isTouch && window.innerHeight ? window.innerHeight : W.height();
    }

    return rez;
};

// Unbind the keyboard / clicking actions
unbindEvents: function () {
    if (F.wrap && isQuery(F.wrap)) {
        F.wrap.unbind('.fb');
    }

    D.unbind('.fb');
    W.unbind('.fb');
},
bindEvents: function () {
    var current = F.current,
        keys;

    if (!current) {
        return;
    }

    // Changing document height on iOS devices triggers a 'resize' event,
    // that can change document height... repeating infinitely
    W.bind('orientationchange.fb' + (isTouch ? ' : ' resize.fb') + (current.autoCenter && !current.locked ? ' scroll.fb' : ''), F.update);

    keys = current.keys;

    if (keys) {
        D.bind('keydown.fb', function (e) {
            var code = e.which || e.keyCode,
                target = e.target || e.srcElement;

            // Skip esc key if loading, because showLoading will cancel preloading
            if (code === 27 && F.coming) {
                return false;
            }

            // Ignore key combinations and key events within form elements
            if (!e.ctrlKey && !e.altKey && !e.shiftKey && !e.metaKey && !(target &&
(target.type || $(target).is('[contenteditable]')))) {
                $.each(keys, function(i, val) {
                    if (current.group.length > 1 && val[ code ] !== undefined)
{
                        F[ i ]( val[ code ] );
                        e.preventDefault();
                        return false;
}
                });
            }
        });
    }
}

```

```

        }
        if ($.inArray(code, val) > -1) {
            F[ i ] ();
        }
        e.preventDefault();
        return false;
    }
});
}
}

if ($.fn.mousewheel && current.mouseWheel) {
    F.wrap.bind('mousewheel.fb', function (e, delta, deltaX, deltaY) {
        var target = e.target || null,
            parent = $(target),
            canScroll = false;

        while (parent.length) {
            if (canScroll || parent.is('.fancybox-skin') || parent.is('.fancybox-wrap')) {
                break;
            }
            canScroll = isScrollable( parent[0] );
            parent = $(parent).parent();
        }

        if (delta !== 0 && !canScroll) {
            if (F.group.length > 1 && !current.canShrink) {
                if (deltaY > 0 || deltaX > 0) {
                    F.prev( deltaY > 0 ? 'down' : 'left' );
                } else if (deltaY < 0 || deltaX < 0) {
                    F.next( deltaY < 0 ? 'up' : 'right' );
                }
            }
            e.preventDefault();
        }
    });
},
trigger: function (event, o) {
    var ret, obj = o || F.coming || F.current;

    if (!obj) {
        return;
    }

    if ($.isFunction( obj[event] )) {
        ret = obj[event].apply(obj, Array.prototype.slice.call(arguments, 1));
    }

    if (ret === false) {
        return false;
    }

    if (obj.helpers) {
        $.each(obj.helpers, function (helper, opts) {
            if (opts && F.helpers[helper] && $.isFunction(F.helpers[helper][event])) {
                opts = $.extend(true, {}, F.helpers[helper].defaults, opts);
                F.helpers[helper][event](opts, obj);
            }
        });
    }

    $.event.trigger(event + '.fb');
},
isImage: function (str) {
    return isString(str) && str.match(/(^data:image\/*.)|(\.(jp|g|eg)|gif|png|bmp|webp)((\?|\#).*)?$/i);
},
isSWF: function (str) {
    return isString(str) && str.match(/\.(swf)((\?|\#).*)?$/i);
},

```

```

_start: function (index) {
    var coming = {},
        obj,
        href,
        type,
        margin,
        padding;

    index = getScalar(index);
    obj = F.group[index] || null;

    if (!obj) {
        return false;
    }

    coming = $.extend(true, {}, F.opts, obj);

    // Convert margin and padding properties to array - top, right, bottom, left
    margin = coming.margin;
    padding = coming.padding;

    if ($.type(margin) === 'number') {
        coming.margin = [margin, margin, margin, margin];
    }

    if ($.type(padding) === 'number') {
        coming.padding = [padding, padding, padding, padding];
    }

    // 'modal' property is just a shortcut
    if (coming.modal) {
        $.extend(true, coming, {
            closeBtn : false,
            closeClick : false,
            nextClick : false,
            arrows : false,
            mouseWheel : false,
            keys : null,
            helpers: {
                overlay : {
                    closeClick : false
                }
            }
        });
    }

    // 'autoSize' property is a shortcut, too
    if (coming.autoSize) {
        coming.autoWidth = coming.autoHeight = true;
    }

    if (coming.width === 'auto') {
        coming.autoWidth = true;
    }

    if (coming.height === 'auto') {
        coming.autoHeight = true;
    }

    /*
     * Add reference to the group, so it's possible to access from callbacks, example:
     * afterLoad : function() {
     *   this.title = 'Image ' + (this.index + 1) + ' of ' + this.group.length + (this.title ? ' - ' + this.title : '');
     * }
     */
}

coming.group = F.group;
coming.index = index;

// Give a chance for callback or helpers to update coming item (type, title, etc)
F.coming = coming;

if (false === F.trigger('beforeLoad')) {
    F.coming = null;

    return;
}

type = coming.type;
href = coming.href;

```

```

if (!type) {
    F.coming = null;

    //If we can not determine content type then drop silently or display next/prev item if looping
    through gallery
    if (F.current && F.router && F.router !== 'jumpto') {
        F.current.index = index;

        return F[ F.router ]( F.direction );
    }

    return false;
}

F.isActive = true;

if (type === 'image' || type === 'swf') {
    coming.autoHeight = coming.autoWidth = false;
    coming.scrolling = 'visible';
}

if (type === 'image') {
    coming.aspectRatio = true;
}

if (type === 'iframe' && isTouch) {
    coming.scrolling = 'scroll';
}

// Build the necessary markup
coming.wrap = $(coming.tpl.wrap).addClass('fancybox-' + (isTouch ? 'mobile' : 'desktop') + ' fancybox-type-' +
+ type + ' fancybox-tmp ' + coming.wrapCSS).appendTo( coming.parent || 'body' );

$.extend(coming, {
    skin : $('.fancybox-skin', coming.wrap),
    outer : $('.fancybox-outer', coming.wrap),
    inner : $('.fancybox-inner', coming.wrap)
});

$.each(["Top", "Right", "Bottom", "Left"], function(i, v) {
    coming.skin.css('padding' + v, getValue(coming.padding[ i ]));
});

F.trigger('onReady');

// Check before try to load; 'inline' and 'html' types need content, others - href
if (type === 'inline' || type === 'html') {
    if (!coming.content || !coming.content.length) {
        return F._error('content');
    }
}

} else if (!href) {
    return F._error('href');
}

if (type === 'image') {
    F._loadImage();
}

} else if (type === 'ajax') {
    F._loadAjax();
}

} else if (type === 'iframe') {
    F._loadIframe();
}

} else {
    F._afterLoad();
}
},
_error: function ( type ) {
    $.extend(F.coming, {
        type : 'html',
        autoWidth : true,
        autoHeight : true,
        minWidth : 0,
        minHeight : 0,
        scrolling : 'no',
        hasError : type,
        content : F.coming.tpl.error
    });
}

```

```

        F._afterLoad();
    },

_loadImage: function () {
    // Reset preload image so it is later possible to check "complete" property
    var img = F.imgPreload = new Image();

    img.onload = function () {
        this.onload = this.onerror = null;

        F.coming.width = this.width;
        F.coming.height = this.height;

        F._afterLoad();
    };

    img.onerror = function () {
        this.onload = this.onerror = null;

        F._error( 'image' );
    };

    img.src = F.coming.href;

    if (img.complete !== true) {
        F.showLoading();
    }
},

_loadAjax: function () {
    var coming = F.coming;

    F.showLoading();

    F.ajaxLoad = $.ajax($.extend({}, coming.ajax, {
        url: coming.href,
        error: function (jqXHR, textStatus) {
            if (F.coming && textStatus !== 'abort') {
                F._error( 'ajax', jqXHR );
            }
        },
        success: function (data, textStatus) {
            if (textStatus === 'success') {
                coming.content = data;

                F._afterLoad();
            }
        }
    }));
},
}

_loadIframe: function() {
    var coming = F.coming,
        iframe = $(coming.tpl.iframe.replace(/\{rnd\}/g, new Date().getTime()))
            .attr('scrolling', isTouch ? 'auto' : coming.iframe.scrolling)
            .attr('src', coming.href);

    // This helps IE
    $(coming.wrap).bind('onReset', function () {
        try {
            $(this).find('iframe').hide().attr('src', '//about:blank').end().empty();
        } catch (e) {}
    });

    if (coming.iframe.preload) {
        F.showLoading();

        iframe.one('load', function() {
            $(this).data('ready', 1);

            // iOS will lose scrolling if we resize
            if (!isTouch) {
                $(this).bind('load.fb', F.update);
            }

            // Without this trick:
            // - iframe won't scroll on iOS devices
            // - IE7 sometimes displays empty iframe
        });
    }
}

```

```

        $(this).parents('.fancybox-wrap').width('100%').removeClass('fancybox-
tmp').show();

                F._afterLoad();
            });

        coming.content = iframe.appendTo( coming.inner );

        if (!comingiframe.preload) {
            F._afterLoad();
        }
    },

    _preloadImages: function() {
        var group  = F.group,
            current = F.current,
            len    = group.length,
            cnt   = current.preload ? Math.min(current.preload, len - 1) : 0,
            item,
            i;

        for (i = 1; i <= cnt; i += 1) {
            item = group[ (current.index + i) % len ];

            if (item.type === 'image' && item.href) {
                new Image().src = item.href;
            }
        }
    },

    _afterLoad: function () {
        var coming  = F.coming,
            previous = F.current,
            placeholder = 'fancybox-placeholder',
            current,
            content,
            type,
            scrolling,
            href,
            embed;

        F.hideLoading();

        if (!coming || F.isActive === false) {
            return;
        }

        if (false === F.trigger('afterLoad', coming, previous)) {
            coming.wrap.stop(true).trigger('onReset').remove();

            F.coming = null;
            return;
        }

        if (previous) {
            F.trigger('beforeChange', previous);

            previous.wrap.stop(true).removeClass('fancybox-opened')
                .find('.fancybox-item, .fancybox-nav')
                .remove();
        }

        F.unbindEvents();

        current  = coming;
        content  = coming.content;
        type     = coming.type;
        scrolling = coming.scrolling;

        $.extend(F, {
            wrap : current.wrap,
            skin : current.skin,
            outer : current.outer,
            inner : current.inner,
            current : current,
            previous : previous
        });
    };

    href = current.href;
}

```

```

switch (type) {
    case 'inline':
    case 'ajax':
    case 'html':
        if (current.selector) {
            content = $('<div>').html(content).find(current.selector);

        } else if (isQuery(content)) {
            if (!content.data('placeholder')) {
                content.data('placeholder', $('<div class=' + placeholder +
                "'></div>').insertAfter( content ).hide() );
            }
            content = content.show().detach();

            current.wrap.bind('onReset', function () {
                if ($(this).find(content).length) {
                    content.hide().replaceAll(
                        content.data('placeholder') ).data('placeholder', false);
                }
            });
        }
        break;

    case 'image':
        content = current.tpl.image.replace('{href}', href);
        break;

    case 'swf':
        content = '<object id="fancybox-swf" classid="clsid:D27CDB6E-AE6D-11cf-96B8-
444553540000" width="100%" height="100%"><param name="movie" value="' + href + '"></param>';
        embed = "";

        $.each(current.swf, function(name, val) {
            content += '<param name="' + name + '" value="' + val +
            embed += ' ' + name + '=' + val + '"';
        });

        content += '<embed src="' + href + '" type="application/x-shockwave-flash"
width="100%" height="100%" ' + embed + '></embed></object>';
        break;
    }

    if (!(isQuery(content) && content.parent().is(current.inner))) {
        current.inner.append( content );
    }

    // Give a chance for helpers or callbacks to update elements
    F.trigger('beforeShow');

    // Set scrolling before calculating dimensions
    current.inner.css('overflow', scrolling === 'yes' ? 'scroll' : (scrolling === 'no' ? 'hidden' : scrolling));

    // Set initial dimensions and start position
    F._setDimension();

    F.reposition();

    F.isOpen = false;
    F.coming = null;

    F.bindEvents();

    if (!F.isOpened) {
        $('.fancybox-wrap').not( current.wrap ).stop(true).trigger('onReset').remove();
    } else if (previous.prevMethod) {
        F.transitions[ previous.prevMethod ]();
    }

    F.transitions[ F.isOpened ? current.nextMethod : current.openMethod ]();

    F._preloadImages();
}

_setDimension: function () {
    var viewport = F.getViewport(),
        steps = 0,
        canShrink = false,

```

```

canExpand = false,
wrap = F.wrap,
skin = F.skin,
inner = F.inner,
current = F.current,
width = current.width,
height = current.height,
minWidth = current.minWidth,
minHeight = current.minHeight,
maxWidth = current.maxWidth,
maxHeight = current.maxHeight,
scrolling = current.scrolling,
scrollOut = current.scrollOutside ? current.scrollbarWidth : 0,
margin = current.margin,
wMargin = getScalar(margin[1] + margin[3]),
hMargin = getScalar(margin[0] + margin[2]),
wPadding,
hPadding,
wSpace,
hSpace,
origWidth,
origHeight,
origMaxWidth,
origMaxHeight,
ratio,
width_,
height_,
maxWidth_,
maxHeight_,
iframe,
body;

// Reset dimensions so we could re-check actual size
wrap.add(skin).add(inner).width('auto').height('auto').removeClass('fancybox-tmp');

wPadding = getScalar(skin.outerWidth(true)) - skin.width();
hPadding = getScalar(skin.outerHeight(true)) - skin.height();

// Any space between content and viewport (margin, padding, border, title)
wSpace = wMargin + wPadding;
hSpace = hMargin + hPadding;

origWidth = isPercentage(width) ? (viewport.w - wSpace) * getScalar(width) / 100 : width;
origHeight = isPercentage(height) ? (viewport.h - hSpace) * getScalar(height) / 100 : height;

if (current.type === 'iframe') {
    iframe = current.content;

    if (current.autoHeight && iframe.data('ready') === 1) {
        try {
            if (iframe[0].contentWindow.document.location) {
                inner.width(origWidth).height(9999);

                body = iframe.contents().find('body');

                if (scrollOut) {
                    body.css('overflow-x', 'hidden');
                }
            }

            origHeight = body.height();
        }
    }
}

} catch (e) {}

} else if (current.autoWidth || current.autoHeight) {
    inner.addClass('fancybox-tmp');

    // Set width or height in case we need to calculate only one dimension
    if (!current.autoWidth) {
        inner.width(origWidth);
    }

    if (!current.autoHeight) {
        inner.height(origHeight);
    }

    if (current.autoWidth) {
        origWidth = inner.width();
    }
}

```

```

        if (current.autoHeight) {
            origHeight = inner.height();
        }

        inner.removeClass( 'fancybox-tmp' );
    }

    width = getScalar( origWidth );
    height = getScalar( origHeight );

    ratio = origWidth / origHeight;

    // Calculations for the content
    minWidth = getScalar(isPercentage(minWidth) ? getScalar(minWidth, 'w') - wSpace : minWidth);
    maxWidth = getScalar(isPercentage(maxWidth) ? getScalar(maxWidth, 'w') - wSpace : maxWidth);

    minHeight = getScalar(isPercentage(minHeight) ? getScalar(minHeight, 'h') - hSpace : minHeight);
    maxHeight = getScalar(isPercentage(maxHeight) ? getScalar(maxHeight, 'h') - hSpace : maxHeight);

    // These will be used to determine if wrap can fit in the viewport
    origMaxWidth = maxWidth;
    origMaxHeight = maxHeight;

    if (current.fitToView) {
        maxWidth = Math.min(viewport.w - wSpace, maxWidth);
        maxHeight = Math.min(viewport.h - hSpace, maxHeight);
    }

    maxWidth_ = viewport.w - wMargin;
    maxHeight_ = viewport.h - hMargin;

    if (current.aspectRatio) {
        if (width > maxWidth) {
            width = maxWidth;
            height = getScalar(width / ratio);
        }

        if (height > maxHeight) {
            height = maxHeight;
            width = getScalar(height * ratio);
        }

        if (width < minWidth) {
            width = minWidth;
            height = getScalar(width / ratio);
        }

        if (height < minHeight) {
            height = minHeight;
            width = getScalar(height * ratio);
        }
    }

    } else {
        width = Math.max(minWidth, Math.min(width, maxWidth));

        if (current.autoHeight && current.type !== 'iframe') {
            inner.width( width );

            height = inner.height();
        }

        height = Math.max(minHeight, Math.min(height, maxHeight));
    }

    // Try to fit inside viewport (including the title)
    if (current.fitToView) {
        inner.width( width ).height( height );

        wrap.width( width + wPadding );

        // Real wrap dimensions
        width_ = wrap.width();
        height_ = wrap.height();

        if (current.aspectRatio) {
            while ((width_ > maxWidth_ || height_ > maxHeight_) && width > minWidth &&
height > minHeight) {
                if (steps++ > 19) {
                    break;
                }
            }
        }
    }
}

```

```

        height = Math.max(minHeight, Math.min(maxHeight, height - 10));
        width = getScalar(height * ratio);

        if (width < minWidth) {
            width = minWidth;
            height = getScalar(width / ratio);
        }

        if (width > maxWidth) {
            width = maxWidth;
            height = getScalar(width / ratio);
        }

        inner.width( width ).height( height );

        wrap.width( width + wPadding );

        width_ = wrap.width();
        height_ = wrap.height();
    }

} else {
    width = Math.max(minWidth, Math.min(width, width - (width_ - maxWidth_)));
    height = Math.max(minHeight, Math.min(height, height - (height_ - maxHeight_)));
}
}

if (scrollOut && scrolling === 'auto' && height < origHeight && (width + wPadding + scrollOut) <
maxWidth_) {
    width += scrollOut;
}

inner.width( width ).height( height );

wrap.width( width + wPadding );

width_ = wrap.width();
height_ = wrap.height();

canShrink = (width_ > maxWidth_ || height_ > maxHeight_) && width > minWidth && height > minHeight;
canExpand = current.aspectRatio ? (width < origMaxWidth && height < origMaxHeight && width <
origWidth && height < origHeight) : ((width < origMaxWidth || height < origMaxHeight) && (width < origWidth || height < origHeight));

$.extend(current, {
    dim : {
        width : getValue( width_ ),
        height : getValue( height_ )
    },
    origWidth : origWidth,
    origHeight : origHeight,
    canShrink : canShrink,
    canExpand : canExpand,
    wPadding : wPadding,
    hPadding : hPadding,
    wrapSpace : height_ - skin.outerHeight(true),
    skinSpace : skin.height() - height
});

if (!iframe && current.autoHeight && height > minHeight && height < maxHeight && !canExpand) {
    inner.height('auto');
}
},
_getPosition: function (onlyAbsolute) {
    var current = F.current,
        viewport = F.viewport(),
        margin = current.margin,
        width = F.wrap.width() + margin[1] + margin[3],
        height = F.wrap.height() + margin[0] + margin[2],
        rez = {
            position: 'absolute',
            top : margin[0],
            left : margin[3]
        };
    if (current.autoCenter && current.fixed && !onlyAbsolute && height <= viewport.h && width <=
viewport.w) {
        rez.position = 'fixed';
    } else if (!current.locked) {
        rez.top += viewport.y;
    }
}

```

```

        rez.left += viewport.x;
    }

    rez.top = getValue(Math.max(rez.top, rez.top + ((viewport.h - height) * current.topRatio)));
    rez.left = getValue(Math.max(rez.left, rez.left + ((viewport.w - width) * current.leftRatio)));

    return rez;
}

_afterZoomIn: function () {
    var current = F.current;

    if (!current) {
        return;
    }

    F.isOpen = F.isOpened = true;

    F.wrap.css('overflow', 'visible').addClass('fancybox-opened');

    F.update();

    // Assign a click event
    if (current.closeClick || (current.nextClick && F.group.length > 1)) {
        F.inner.css('cursor', 'pointer').bind('click.fb', function(e) {
            if (!$(e.target).is('a') && !$(e.target).parent().is('a')) {
                e.preventDefault();

                F[ current.closeClick ? 'close' : 'next' ]();
            }
        });
    }

    // Create a close button
    if (current.closeBtn) {
        $(current.tpl.closeBtn).appendTo(F.skin).bind('click.fb', function(e) {
            e.preventDefault();

            F.close();
        });
    }

    // Create navigation arrows
    if (current.arrows && F.group.length > 1) {
        if (current.loop || current.index > 0) {
            if (current.loop || current.index > 0) {
                $(current.tpl.prev).appendTo(F.outer).bind('click.fb', F.prev);
            }
        }

        if (current.loop || current.index < F.group.length - 1) {
            $(current.tpl.next).appendTo(F.outer).bind('click.fb', F.next);
        }
    }

    F.trigger('afterShow');

    // Stop the slideshow if this is the last item
    if (!current.loop && current.index === current.group.length - 1) {
        F.play(false);
    }

    } else if (F.opts.autoPlay && !F.player.isActive) {
        F.opts.autoPlay = false;

        F.play();
    }
},
_afterZoomOut: function (obj) {
    obj = obj || F.current;

    $('.fancybox-wrap').trigger('onReset').remove();

    $.extend(F, {
        group : {},
        opts : {},
        router : false,
        current : null,
        isActive : false,
        isOpened : false,
        isOpen : false,
        isClosing : false,
        wrap : null,
    });
}

```

```

        skin : null,
        outer : null,
        inner : null
    });

    F.trigger('afterClose', obj);
}

/* 
 *      Default transitions
 */
F.transitions = {
    getOrigPosition: function () {
        var current = F.current,
            element = current.element,
            orig = current.orig,
            pos = {},
            width = 50,
            height = 50,
            hPadding = current.hPadding,
            wPadding = current.wPadding,
            viewport = F.getViewport();

        if (!orig && current.isDom && element.is(':visible')) {
            orig = element.find('img:first');

            if (!orig.length) {
                orig = element;
            }
        }

        if (isQuery(orig)) {
            pos = orig.offset();

            if (orig.is('img')) {
                width = orig.outerWidth();
                height = orig.outerHeight();
            }
        } else {
            pos.top = viewport.y + (viewport.h - height) * current.topRatio;
            pos.left = viewport.x + (viewport.w - width) * current.leftRatio;
        }

        if (F.wrap.css('position') === 'fixed' || current.locked) {
            pos.top -= viewport.y;
            pos.left -= viewport.x;
        }

        pos = {
            top : getValue(pos.top - hPadding * current.topRatio),
            left : getValue(pos.left - wPadding * current.leftRatio),
            width : getValue(width + wPadding),
            height : getValue(height + hPadding)
        };
    }

    return pos;
},
step: function (now, fx) {
    var ratio,
        padding,
        value,
        prop = fx.prop,
        current = F.current,
        wrapSpace = current.wrapSpace,
        skinSpace = current.skinSpace;

    if (prop === 'width' || prop === 'height') {
        ratio = fx.end === fx.start ? 1 : (now - fx.start) / (fx.end - fx.start);

        if (F.isClosing) {
            ratio = 1 - ratio;
        }

        padding = prop === 'width' ? current.wPadding : current.hPadding;
        value = now - padding;
    }

    F.skin[ prop ]( getScalar( prop === 'width' ? value : value - (wrapSpace * ratio) ) );
}
}

```

```

        F.inner[ prop ]( getScalar( prop === 'width' ? value : value - (wrapSpace * ratio) - (skinSpace * ratio) ) );
    }
},
zoomIn: function () {
    var current = F.current,
        startPos = current.pos,
        effect = current.openEffect,
        elastic = effect === 'elastic',
        endPos = $.extend({opacity : 1}, startPos);

    // Remove "position" property that breaks older IE
    delete endPos.position;

    if (elastic) {
        startPos = this.getOrigPosition();
    }

    if (current.openOpacity) {
        startPos.opacity = 0.1;
    }

    } else if (effect === 'fade') {
        startPos.opacity = 0.1;
    }

    F.wrap.css(startPos).animate(endPos, {
        duration : effect === 'none' ? 0 : current.openSpeed,
        easing : current.openEasing,
        step : elastic ? this.step : null,
        complete : F._afterZoomIn
    });
},
zoomOut: function () {
    var current = F.current,
        effect = current.closeEffect,
        elastic = effect === 'elastic',
        endPos = {opacity : 0.1};

    if (elastic) {
        endPos = this.getOrigPosition();
    }

    if (current.closeOpacity) {
        endPos.opacity = 0.1;
    }

    F.wrap.animate(endPos, {
        duration : effect === 'none' ? 0 : current.closeSpeed,
        easing : current.closeEasing,
        step : elastic ? this.step : null,
        complete : F._afterZoomOut
    });
},
changeIn: function () {
    var current = F.current,
        effect = current.nextEffect,
        startPos = current.pos,
        endPos = { opacity : 1 },
        direction = F.direction,
        distance = 200,
        field;

    startPos.opacity = 0.1;

    if (effect === 'elastic') {
        field = direction === 'down' || direction === 'up' ? 'top' : 'left';

        if (direction === 'down' || direction === 'right') {
            startPos[ field ] = getValue(getScalar(startPos[ field ]) - distance);
            endPos[ field ] = '+=' + distance + 'px';
        }

        } else {
            startPos[ field ] = getValue(getScalar(startPos[ field ]) + distance);
            endPos[ field ] = '-=' + distance + 'px';
        }
    }

// Workaround for http://bugs.jquery.com/ticket/12273

```

```

        if (effect === 'none') {
            F._afterZoomIn();
        } else {
            F.wrap.css(startPos).animate(endPos, {
                duration : current.nextSpeed,
                easing   : current.nextEasing,
                complete : F._afterZoomIn
            });
        }
    },

    changeOut: function () {
        var previous = F.previous,
            effect  = previous.prevEffect,
            endPos  = { opacity : 0.1 },
            direction = F.direction,
            distance = 200;

        if (effect === 'elastic') {
            endPos[ direction === 'down' || direction === 'up' ? 'top' : 'left' ] = ( direction === 'up' || direction === 'left' ? '-' : '+' ) + '=' + distance + 'px';
        }

        previous.wrap.animate(endPos, {
            duration : effect === 'none' ? 0 : previous.prevSpeed,
            easing   : previous.prevEasing,
            complete : function () {
                $(this).trigger('onReset').remove();
            }
        });
    }
};

/*
 * Overlay helper
 */
F.helpers.overlay = {
    defaults : {
        closeClick : true, // if true, fancyBox will be closed when user clicks on the overlay
        speedOut  : 200, // duration of fadeOut animation
        showEarly : true, // indicates if should be opened immediately or wait until the content is ready
        css      : {}, // custom CSS properties
        locked   : !isTouch, // if true, the content will be locked into overlay
        fixed    : true // if false, the overlay CSS position property will not be set to "fixed"
    },
    overlay : null, // current handle
    fixed  : false, // indicates if the overlay has position "fixed"

    // Public methods
    create : function(opts) {
        opts = $.extend({}, this.defaults, opts);

        if (this.overlay) {
            this.close();
        }

        this.overlay = $('<div class="fancybox-overlay"></div>').appendTo( 'body' );
        this.fixed = false;

        if (opts.fixed && F.defaults.fixed) {
            this.overlay.addClass('fancybox-overlay-fixed');

            this.fixed = true;
        }
    },
    open : function(opts) {
        var that = this;

        opts = $.extend({}, this.defaults, opts);

        if (this.overlay) {
            this.overlay.unbind('.overlay').width('auto').height('auto');
        } else {
            this.create(opts);
        }
    }
};

```

```

        if (!this.fixed) {
            W.bind('resize.overlay', $.proxy( this.update, this ) );
            this.update();
        }

        if (opts.closeClick) {
            this.overlay.bind('click.overlay', function(e) {
                if ($(e.target).hasClass('fancybox-overlay')) {
                    if (F.isActive) {
                        F.close();
                    } else {
                        that.close();
                    }
                }
            });
        }

        this.overlay.css( opts.css ).show();
    },

    close : function() {
        $('.fancybox-overlay').remove();

        W.unbind('resize.overlay');

        this.overlay = null;

        if (this.margin !== false) {
            $('body').css('margin-right', this.margin);

            this.margin = false;
        }

        if (this.el) {
            this.el.removeClass('fancybox-lock');
        }
    },
}

// Private, callbacks

update : function () {
    var width = '100%', offsetWidth;

    // Reset width/height so it will not mess
    this.overlay.width(width).height('100%');

    // jQuery does not return reliable result for IE
    if (!IE) {
        offsetWidth = Math.max(document.documentElement.offsetWidth,
document.body.offsetWidth);

        if (D.width() > offsetWidth) {
            width = D.width();
        }
    }

    } else if (D.width() > W.width()) {
        width = D.width();
    }

    this.overlay.width(width).height(D.height());
},
}

// This is where we can manipulate DOM, because later it would cause iframes to reload
onReady : function (opts, obj) {
    $('.fancybox-overlay').stop(true, true);

    if (!this.overlay) {
        this.margin = D.height() > W.height() || $('body').css('overflow-y') === 'scroll' ?
$('body').css('margin-right') : false;
        this.el = document.all && !document.querySelector ? $('html') : $('body');

        this.create(opts);
    }

    if (opts.locked && this.fixed) {
        obj.locked = this.overlay.append( obj.wrap );
        obj.fixed = false;
    }

    if (opts.showEarly === true) {
}
}

```

```

        this.beforeShow.apply(this, arguments);
    }
}

beforeShow : function(opts, obj) {
    if (obj.locked) {
        this.el.addClass('fancybox-lock');

        if (this.margin !== false) {
            $('body').css('margin-right', getScalar( this.margin ) + obj.scrollbarWidth);
        }
    }

    this.open(opts);
},

onUpdate : function() {
    if (!this.fixed) {
        this.update();
    }
},

afterClose: function (opts) {
    // Remove overlay if exists and fancyBox is not opening
    // (e.g., it is not being open using afterClose callback)
    if (this.overlay && !F.isActive) {
        this.overlay.fadeOut(opts.speedOut, $.proxy( this.close, this ));
    }
}
};

/*
 *      Title helper
 */
F.helpers.title = {
    defaults : {
        type   : 'float', // 'float', 'inside', 'outside' or 'over',
        position : 'bottom' // 'top' or 'bottom'
    },
    beforeShow: function (opts) {
        var current = F.current,
            text   = current.title,
            type   = opts.type,
            title,
            target;

        if ($.isFunction(text)) {
            text = text.call(current.element, current);
        }

        if (!isString(text) || $.trim(text) === "") {
            return;
        }

        title = $('

' + text + '

');

        switch (type) {
            case 'inside':
                target = F.skin;
                break;

            case 'outside':
                target = F.wrap;
                break;

            case 'over':
                target = F.inner;
                break;

            default: // 'float'
                target = F.skin;
        }

        title.appendTo('body');

        if (IE) {
            title.width( title.width() );
        }

        title.wrapInner('<span class="child"></span>');
    }
};

```

```

        //Increase bottom margin so this title will also fit into viewport
        F.current.margin[2] += Math.abs( getScalar(title.css('margin-bottom')) );
    }
}

title[ (opts.position === 'top' ? 'prependTo' : 'appendTo') ](target);
};

//jQuery plugin initialization
$.fn.fancybox = function (options) {
    var index,
        that = $(this),
        selector = this.selector || '',
        run = function(e) {
            var what = $(this).blur(), idx = index, relType, relVal;

            if (!(e.ctrlKey || e.altKey || e.shiftKey || e.metaKey) && !what.is('.fancybox-wrap')) {
                relType = options.groupAttr || 'data-fancybox-group';
                relVal = what.attr(relType);

                if (!relVal) {
                    relType = 'rel';
                    relVal = what.get(0)[ relType ];
                }

                if (relVal && relVal !== "" && relVal !== 'nofollow') {
                    what = what.filter("[rel=" + relType + "=\"" + relVal + "\"]");
                    idx = what.index(this);
                }
                options.index = idx;
            }

            //Stop an event from bubbling if everything is fine
            if (F.open(what, options) !== false) {
                e.preventDefault();
            }
        }
    };

    options = options || {};
    index = options.index || 0;

    if (!selector || options.live === false) {
        that.unbind('click.fb-start').bind('click.fb-start', run);
    } else {
        D.undelegate(selector, 'click.fb-start').delegate(selector + ":not('.fancybox-item, .fancybox-nav')", 'click.fb-start', run);
    }

    this.filter('[data-fancybox-start=1]').trigger('click');

    return this;
};

// Tests that need a body at doc ready
D.ready(function() {
    if ( $.scrollbarWidth === undefined ) {
        // http://benalman.com/projects/jquery-misc-plugins/#scrollbarwidth
        $.scrollbarWidth = function() {
            var parent = $('

<div/></div>').appendTo('body'),
                child = parent.children(),
                width = child.innerWidth() - child.height( 99 ).innerWidth();

            parent.remove();

            return width;
        };
    }

    if ( $.support.fixedPosition === undefined ) {
        $.support.fixedPosition = (function() {
            var elem = $('

</div>').appendTo('body'),
                fixed = ( elem[0].offsetTop === 20 || elem[0].offsetTop === 15 );

            elem.remove();

            return fixed;
        });
    }
});


```

```
        })();
    }

$.extend(F.defaults, {
    scrollbarWidth : $.scrollbarWidth(),
    fixed : $.support.fixedPosition,
    parent : $('body')
});
})(window, document, jQuery));
```

J. SQL code

```
-- phpMyAdmin SQL Dump
-- version 4.0.4.1
-- http://www.phpmyadmin.net
--
-- Host: 127.0.0.1
-- Generation Time: Nov 04, 2013 at 04:08 PM
-- Server version: 5.5.32
-- PHP Version: 5.4.19
SET SQL_MODE = "NO_AUTO_VALUE_ON_ZERO";
SET time_zone = "+00:00";
/*!40101 SET @OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT */;
/*!40101 SET @OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS */;
/*!40101 SET @OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION */;
/*!40101 SET NAMES utf8 */;
--
-- Database: `nutrimac`
--
CREATE DATABASE IF NOT EXISTS `nutrimac` DEFAULT CHARACTER SET latin1 COLLATE latin1_swedish_ci;
USE `nutrimac`;
-- -----
-- 
-- Table structure for table `admin`
--
CREATE TABLE IF NOT EXISTS `admin` (
`id` int(5) NOT NULL AUTO_INCREMENT,
`username` varchar(15) NOT NULL,
`password` varchar(32) NOT NULL,
PRIMARY KEY (`id`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1 AUTO_INCREMENT=2 ;
-- -----
-- 
-- Table structure for table `barangay`
--
CREATE TABLE IF NOT EXISTS `barangay` (
`id` int(11) NOT NULL AUTO_INCREMENT,
`name` varchar(30) NOT NULL,
`bhc_id` int(11) NOT NULL,
`bhw_id` int(11) NOT NULL,
PRIMARY KEY (`id`),
KEY `bhc_id` (`bhc_id`),
KEY `bhw_id` (`bhw_id`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1 AUTO_INCREMENT=23 ;
-- -----
-- 
-- Table structure for table `barangay_maldate`
--
CREATE TABLE IF NOT EXISTS `barangay_maldate` (
`id` int(11) NOT NULL AUTO_INCREMENT,
`barangay_id` int(11) NOT NULL,
`date` varchar(30) NOT NULL,
`est_pop` int(11) NOT NULL,
`eligible_pop` int(11) NOT NULL,
`child_pop` int(11) NOT NULL,
`success_rate` float NOT NULL,
PRIMARY KEY (`id`),
KEY `barangay_id` (`barangay_id`)
)

) ENGINE=InnoDB DEFAULT CHARSET=latin1 AUTO_INCREMENT=15 ;
-- -----
-- 
-- Table structure for table `barangay_malnutrition`
--
CREATE TABLE IF NOT EXISTS `barangay_malnutrition` (
`id` int(11) NOT NULL AUTO_INCREMENT,
`malDate_id` int(11) NOT NULL,
`malnutrition_id` int(11) NOT NULL,
`b1` int(11) NOT NULL,
`g1` int(11) NOT NULL,
`b2` int(11) NOT NULL,
`g2` int(11) NOT NULL,
`b3` int(11) NOT NULL,
`g3` int(11) NOT NULL,
`b4` int(11) NOT NULL,
`g4` int(11) NOT NULL,
`b5` int(11) NOT NULL,
`g5` int(11) NOT NULL,
`b6` int(11) NOT NULL,
`g6` int(11) NOT NULL,
`b7` int(11) NOT NULL,
`g7` int(11) NOT NULL,
`total` int(11) NOT NULL,
`prev` float NOT NULL,
PRIMARY KEY (`id`),
```

```

KEY `malnutrition_id` (`malnutrition_id`),
KEY `malDate_id` (`malDate_id`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1 AUTO_INCREMENT=183 ;
-- -----
-- 
-- Table structure for table `bhc`
-- 
CREATE TABLE IF NOT EXISTS `bhc` (
`id` int(11) NOT NULL AUTO_INCREMENT,
`municipality_id` int(11) NOT NULL,
`status` int(11) NOT NULL DEFAULT '0',
`name` varchar(30) NOT NULL,
PRIMARY KEY (`id`),
KEY `municipality_id` (`municipality_id`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1 AUTO_INCREMENT=43 ;
-- -----
-- 
-- Table structure for table `bhc_maldate`
-- 
CREATE TABLE IF NOT EXISTS `bhc_maldate` (
`id` int(11) NOT NULL AUTO_INCREMENT,
`bhc_id` int(11) NOT NULL,
`date` varchar(30) NOT NULL,
`est_pop` int(11) NOT NULL,
`eligible_pop` int(11) NOT NULL,
`child_pop` int(11) NOT NULL,
`success_rate` float NOT NULL,
PRIMARY KEY (`id`),
KEY `bhc_id` (`bhc_id`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1 AUTO_INCREMENT=10 ;
-- -----
-- 
-- Table structure for table `bhc_malnutrition`
-- 
CREATE TABLE IF NOT EXISTS `bhc_malnutrition` (
`id` int(11) NOT NULL AUTO_INCREMENT,
`malDate_id` int(11) NOT NULL,
`malnutrition_id` int(11) NOT NULL,
`b1` int(11) NOT NULL,
`g1` int(11) NOT NULL,
`b2` int(11) NOT NULL,
`g2` int(11) NOT NULL,
`b3` int(11) NOT NULL,
`g3` int(11) NOT NULL,
`b4` int(11) NOT NULL,
`g4` int(11) NOT NULL,
`b5` int(11) NOT NULL,
`g5` int(11) NOT NULL,
`b6` int(11) NOT NULL,
`g6` int(11) NOT NULL,
`b7` int(11) NOT NULL,
`g7` int(11) NOT NULL,
`total` int(11) NOT NULL,
`prev` float NOT NULL,
PRIMARY KEY (`id`),
KEY `malnutrition_id` (`malnutrition_id`),
KEY `malDate_id` (`malDate_id`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1 AUTO_INCREMENT=131 ;
-- -----
-- 
-- Table structure for table `boys_ha_table`
-- 
CREATE TABLE IF NOT EXISTS `boys_ha_table` (
`age` int(2) NOT NULL,
`Severely` float NOT NULL,
`Stunted` float NOT NULL,
`Normal` float NOT NULL,
`Tall` float NOT NULL,
PRIMARY KEY (`age`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
-- -----
-- 
-- Table structure for table `boys_wa_table`
-- 
CREATE TABLE IF NOT EXISTS `boys_wa_table` (
`age` int(2) NOT NULL,
`Severely` float NOT NULL,
`Underweight` float NOT NULL,
`Normal` float NOT NULL,
`Overweight` float NOT NULL,
PRIMARY KEY (`age`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
-- -----
-- 
-- Table structure for table `boys_wh_table`
-- 
CREATE TABLE IF NOT EXISTS `boys_wh_table` (
`height` float NOT NULL,

```

```

`Severely` float NOT NULL,
`Wasted` float NOT NULL,
`Normal` float NOT NULL,
`Overweight` float NOT NULL,
`Obese` float NOT NULL,
PRIMARY KEY (`height`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
-- -----
-- 
-- Table structure for table `boys_wl_table`
-- 
CREATE TABLE IF NOT EXISTS `boys_wl_table` (
`length` float NOT NULL,
`Severely` float NOT NULL,
`Wasted` float NOT NULL,
`Normal` float NOT NULL,
`Overweight` float NOT NULL,
`Obese` float NOT NULL,
PRIMARY KEY (`length`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
-- -----
-- 
-- Table structure for table `child`
-- 
CREATE TABLE IF NOT EXISTS `child` (
`id` int(3) NOT NULL AUTO_INCREMENT,
`name` varchar(50) NOT NULL,
`surname` varchar(20) NOT NULL,
`sex` varchar(1) NOT NULL,
`bdy` date NOT NULL,
`mother` varchar(30) NOT NULL,
`father` varchar(30) NOT NULL,
`mContact` varchar(15) NOT NULL,
`fContact` varchar(15) NOT NULL,
`guardian` varchar(30) NOT NULL,
`gContact` varchar(15) NOT NULL,
`address` text NOT NULL,
`barangay_id` int(11) NOT NULL,
`bhc_id` int(11) NOT NULL,
PRIMARY KEY (`id`),
KEY `barangay_id` (`barangay_id`),
KEY `bhc_id` (`bhc_id`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1 AUTO_INCREMENT=401 ;
-- -----
-- 
-- Table structure for table `child_assessment`
-- 
CREATE TABLE IF NOT EXISTS `child_assessment` (
`id` int(11) NOT NULL AUTO_INCREMENT,
`child_id` int(5) NOT NULL,
`age` int(11) NOT NULL,
`date` varchar(20) NOT NULL,
`height` float NOT NULL,
`weight` float NOT NULL,
`WAstat` int(11) NOT NULL,
`HAstat` int(11) NOT NULL,
`WHstat` int(11) NOT NULL,
PRIMARY KEY (`id`),
KEY `child_id` (`child_id`),
KEY `WAstat` (`WAstat`),
KEY `HAstat` (`HAstat`),
KEY `WHstat` (`WHstat`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1 AUTO_INCREMENT=255 ;
-- -----
-- 
-- Table structure for table `girls_ha_table`
-- 
CREATE TABLE IF NOT EXISTS `girls_ha_table` (
`age` int(2) NOT NULL,
`Severely` float NOT NULL,
`Stunted` float NOT NULL,
`Normal` float NOT NULL,
`Tall` float NOT NULL,
PRIMARY KEY (`age`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
-- -----
-- 
-- Table structure for table `girls_wa_table`
-- 
CREATE TABLE IF NOT EXISTS `girls_wa_table` (
`age` int(2) NOT NULL,
`Severely` float NOT NULL,
`Underweight` float NOT NULL,
`Normal` float NOT NULL,
`Overweight` float NOT NULL,
PRIMARY KEY (`age`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
-- -----

```

```

-- Table structure for table `girls_wh_table`
-- 
CREATE TABLE IF NOT EXISTS `girls_wh_table` (
`height` float NOT NULL,
`Severely` float NOT NULL,
`Wasted` float NOT NULL,
`Normal` float NOT NULL,
`Overweight` float NOT NULL,
`Obese` float NOT NULL,
PRIMARY KEY (`height`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
-- -----
-- Table structure for table `girls_wl_table`
-- 
CREATE TABLE IF NOT EXISTS `girls_wl_table` (
`length` float NOT NULL,
`Severely` float NOT NULL,
`Wasted` float NOT NULL,
`Normal` float NOT NULL,
`Overweight` float NOT NULL,
`Obese` float NOT NULL,
PRIMARY KEY (`length`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
-- -----
-- Table structure for table `malnutrition`
-- 
CREATE TABLE IF NOT EXISTS `malnutrition` (
`id` int(11) NOT NULL AUTO_INCREMENT,
`type` varchar(30) NOT NULL,
`name` varchar(30) NOT NULL,
PRIMARY KEY (`id`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1 AUTO_INCREMENT=15 ;
-- -----
-- Table structure for table `municipality`
-- 
CREATE TABLE IF NOT EXISTS `municipality` (
`id` int(11) NOT NULL AUTO_INCREMENT,
`name` varchar(30) NOT NULL,
`province_id` int(11) NOT NULL,
PRIMARY KEY (`id`),
KEY `province_id` (`province_id`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1 AUTO_INCREMENT=1843 ;
-- -----
-- Table structure for table `municipality_maldate`
-- 
CREATE TABLE IF NOT EXISTS `municipality_maldate` (
`id` int(11) NOT NULL AUTO_INCREMENT,
`municipality_id` int(11) NOT NULL,
`date` varchar(30) NOT NULL,
`est_pop` int(11) NOT NULL,
`eligible_pop` int(11) NOT NULL,
`child_pop` int(11) NOT NULL,
`success_rate` float NOT NULL,
PRIMARY KEY (`id`),
KEY `municipality_id` (`municipality_id`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1 AUTO_INCREMENT=8 ;

-- -----
-- Table structure for table `municipality_malnutrition`
-- 
CREATE TABLE IF NOT EXISTS `municipality_malnutrition` (
`id` int(11) NOT NULL AUTO_INCREMENT,
`malDate_id` int(11) NOT NULL,
`malnutrition_id` int(11) NOT NULL,
`b1` int(11) NOT NULL,
`g1` int(11) NOT NULL,
`b2` int(11) NOT NULL,
`g2` int(11) NOT NULL,
`b3` int(11) NOT NULL,
`g3` int(11) NOT NULL,
`b4` int(11) NOT NULL,
`g4` int(11) NOT NULL,
`b5` int(11) NOT NULL,
`g5` int(11) NOT NULL,
`b6` int(11) NOT NULL,
`g6` int(11) NOT NULL,
`b7` int(11) NOT NULL,
`g7` int(11) NOT NULL,
`total` int(11) NOT NULL,
`prev` float NOT NULL,
PRIMARY KEY (`id`),

```

```

KEY `malnutrition_id` (`malnutrition_id`),
KEY `malDate_id` (`malDate_id`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1 AUTO_INCREMENT=92 ;
-- -----
-- 
-- Table structure for table `municipality_points`
-- 
CREATE TABLE IF NOT EXISTS `municipality_points` (
`id` int(11) NOT NULL AUTO_INCREMENT,
`municipality_id` int(11) NOT NULL,
`lat` double NOT NULL,
`lng` double NOT NULL,
PRIMARY KEY (`id`),
KEY `municipality_id` (`municipality_id`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1 AUTO_INCREMENT=704166 ;
-- -----
-- 
-- Table structure for table `province`
-- 
CREATE TABLE IF NOT EXISTS `province` (
`id` int(11) NOT NULL,
`name` varchar(30) NOT NULL,
`region` varchar(50) NOT NULL,
PRIMARY KEY (`id`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
-- -----
-- 
-- Table structure for table `users`
-- 
CREATE TABLE IF NOT EXISTS `users` (
`id` int(5) NOT NULL AUTO_INCREMENT,
`name` varchar(30) NOT NULL,
`surname` varchar(20) NOT NULL,
`username` varchar(15) NOT NULL,
`password` varchar(32) NOT NULL,
`status` int(1) NOT NULL DEFAULT '0',
`mode` varchar(30) NOT NULL,
`bhc_id` int(11) NOT NULL,
`email` varchar(30) NOT NULL DEFAULT 'N/A',
`number` varchar(15) NOT NULL DEFAULT 'N/A',
PRIMARY KEY (`id`),
KEY `bhc_id` (`bhc_id`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1 AUTO_INCREMENT=34 ;
-- 
-- Constraints for dumped tables
-- 
-- 
-- Constraints for table `barangay`
-- 
ALTER TABLE `barangay`
ADD CONSTRAINT `barangay_ibfk_1` FOREIGN KEY (`bhw_id`) REFERENCES `users` (`id`),
ADD CONSTRAINT `barangay_ibfk_2` FOREIGN KEY (`bhc_id`) REFERENCES `bhc` (`id`);
-- 
-- Constraints for table `barangay_maldate`
-- 
ALTER TABLE `barangay_maldate`
ADD CONSTRAINT `barangay_maldate_ibfk_1` FOREIGN KEY (`barangay_id`) REFERENCES `barangay` (`id`)
ON DELETE CASCADE ON UPDATE CASCADE;
-- 
-- Constraints for table `barangay_malnutrition`
-- 
ALTER TABLE `barangay_malnutrition`
ADD CONSTRAINT `barangay_malnutrition_ibfk_5` FOREIGN KEY (`malnutrition_id`) REFERENCES `malnutrition` (`id`) ON DELETE CASCADE ON UPDATE CASCADE,
ADD CONSTRAINT `barangay_malnutrition_ibfk_6` FOREIGN KEY (`malDate_id`) REFERENCES `barangay_maldate` (`id`) ON DELETE CASCADE ON UPDATE CASCADE;
-- 
-- Constraints for table `bhc`
-- 
ALTER TABLE `bhc`
ADD CONSTRAINT `bhc_ibfk_1` FOREIGN KEY (`municipality_id`) REFERENCES `municipality` (`id`);
-- 
-- Constraints for table `bhc_maldate`
-- 
ALTER TABLE `bhc_maldate`
ADD CONSTRAINT `bhc_maldate_ibfk_1` FOREIGN KEY (`bhc_id`) REFERENCES `bhc` (`id`) ON DELETE CASCADE ON UPDATE CASCADE;
-- 
-- Constraints for table `bhc_malnutrition`
-- 
ALTER TABLE `bhc_malnutrition`
ADD CONSTRAINT `bhc_malnutrition_ibfk_2` FOREIGN KEY (`malnutrition_id`) REFERENCES `malnutrition` (`id`) ON DELETE CASCADE ON UPDATE CASCADE,
ADD CONSTRAINT `bhc_malnutrition_ibfk_3` FOREIGN KEY (`malDate_id`) REFERENCES `bhc_maldate` (`id`) ON DELETE CASCADE ON UPDATE CASCADE;
-- 
-- Constraints for table `child`
-- 

```

```

ALTER TABLE `child`
ADD CONSTRAINT `child_ibfk_1` FOREIGN KEY (`barangay_id`) REFERENCES `barangay` (`id`) ON DELETE CASCADE ON UPDATE CASCADE,
ADD CONSTRAINT `child_ibfk_2` FOREIGN KEY (`bhc_id`) REFERENCES `bhc` (`id`) ON DELETE CASCADE ON UPDATE CASCADE;
--
-- Constraints for table `child_assessment`
--
ALTER TABLE `child_assessment`
ADD CONSTRAINT `child_assessment_ibfk_1` FOREIGN KEY (`child_id`) REFERENCES `child` (`id`) ON DELETE CASCADE ON UPDATE CASCADE,
ADD CONSTRAINT `child_assessment_ibfk_2` FOREIGN KEY (`WAstat`) REFERENCES `malnutrition` (`id`),
ADD CONSTRAINT `child_assessment_ibfk_3` FOREIGN KEY (`HAstat`) REFERENCES `malnutrition` (`id`),
ADD CONSTRAINT `child_assessment_ibfk_4` FOREIGN KEY (`WHstat`) REFERENCES `malnutrition` (`id`);
--
-- Constraints for table `municipality`
--
ALTER TABLE `municipality`
ADD CONSTRAINT `municipality_ibfk_1` FOREIGN KEY (`province_id`) REFERENCES `province` (`id`);
--
-- Constraints for table `municipality_maldate`
--
ALTER TABLE `municipality_maldate`
ADD CONSTRAINT `municipality_maldate_ibfk_1` FOREIGN KEY (`municipality_id`) REFERENCES `municipality` (`id`) ON DELETE CASCADE ON UPDATE CASCADE;
--
-- Constraints for table `municipality_malnutrition`
--
ALTER TABLE `municipality_malnutrition`
ADD CONSTRAINT `municipality_malnutrition_ibfk_2` FOREIGN KEY (`malnutrition_id`) REFERENCES `malnutrition` (`id`) ON DELETE CASCADE ON UPDATE CASCADE,
ADD CONSTRAINT `municipality_malnutrition_ibfk_3` FOREIGN KEY (`malDate_id`) REFERENCES `municipality_maldate` (`id`) ON DELETE CASCADE ON UPDATE CASCADE;
--
-- Constraints for table `municipality_points`
--
ALTER TABLE `municipality_points`
ADD CONSTRAINT `municipality_points_ibfk_1` FOREIGN KEY (`municipality_id`) REFERENCES `municipality` (`id`) ON DELETE CASCADE ON UPDATE CASCADE;
--
-- Constraints for table `users`
--
ALTER TABLE `users`
ADD CONSTRAINT `users_ibfk_1` FOREIGN KEY (`bhc_id`) REFERENCES `bhc` (`id`) ON DELETE CASCADE ON UPDATE CASCADE;
/*!40101 SET CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT */;
/*!40101 SET CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS */;
/*!40101 SET COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION */;
```

CHAPTER XI: ACKNOWLEDGEMENT

I have taken great efforts in this project. However, the completion of this project would not have been possible without the support of many individuals. I would like to extend my gratitude to all of them. First, I would like to thank Ma'am Avgail Carpio for being there to guide me through this. Thank you for believing in me.

To Marga Javier, Dyane Gepte, Ranndolf Javier, and Doc Emer Faraon, thank you for making me a part of your team and being patient when I could not deliver things as promised. Sorry for the delayed updates and unresponded queries. Thank you for understanding me when I prioritized other things over this project.

To my family, thank you for understanding me when I could not come home to help, or when I was home but could not help because of this. Even when you could not understand what I was trying to explain about my SP, thank you for nodding in agreement anyway.

To my closest friends from Block 12, thank you for pushing me hard almost every day to work on this. It was great to have learned new things with you. We may not have had the highest grades or greatest accomplishments but we sure did have the best memories, going places and being the craziest together.

To Jacob, thank you for accepting my craziness and tolerating my crankiness when I felt overwhelmed. For the encouragements and belief that I am the best (or second best, next to your sister) Computer Scientist that you know, my heartfelt thanks.