

Metadata

2017 Population and Housing Census of Bhutan (2017 PHCB)

1. Producer

The 2017 Population and Housing Census of Bhutan was conducted by National Statistics Bureau (NSB) and it was funded by Royal Government of Bhutan.

2. Objective

The objectives of the 2017 PHCB were:

- To obtain an up-to-date count of the population size by age and sex;
- To obtain geographic distribution of the population by demographic and socio-economic characteristics; and
- To provide frames for surveys and other statistical activities.

3. Preparatory Phase

The preparatory work for the 2017 PHCB started in 2013 with the development of an overall strategy for the census undertaking. Other preparatory activities included the development of the census questionnaire, undertaking household listing and census mapping exercise, questionnaire pre-test, census advocacy and publicity and administrative support services.

During this phase, several forms, questionnaires, manuals, guidelines and instructions were developed in order to collect data from the target populations. The following are the list of census forms used in the 2017 PHCB:

- i. Form PHC-R for rural listing
- ii. Form PHC-UB for urban listing
- iii. Form PHCB-2A for household list update
- iv. Form PHCB-2B for household member details
- v. Form PHCB-2C for individual member details
- vi. Form PHCB-2D for household information
- vii. Form PHCB-2E for airport/daily visitors (also used for non-Bhutanese staying in hotels on the census reference day)
- viii. Enumerators manual
- ix. Rural Mapping manual
- x. Urban Mapping manual
- xi. Code Book
- xii. Stickers

4. Methodology

Census questionnaire: The 2017 PHCB questionnaire contains the following modules:

- ✓ Demographic characteristics
- ✓ Education
- ✓ Health
- ✓ Labour and Employment
- ✓ Migration
- ✓ Housing, household amenities and food sufficiency
- ✓ Household asset ownership

The content of the questionnaire was based on the national requirements and also is in coherence with the international standards. In order to determine the average time taken, flow and relevancy of the questions, the questionnaire was pretested.

Census Date and Reference Time

The 2017 PHCB was conducted from 30th May to 1st June 2017. The reference time and date for the census enumeration was midnight of 29th May 2017. This means that the 2017 PHCB provides population data for Bhutan as of 00:00 hours on 30th May 2017.

Enumeration Procedure

The 2017 PHCB adopted the *de-facto* method of enumeration, which means that people were counted where they were found on the census reference date regardless of their nationality or usual place of residence. Special arrangements were made to enumerate the transient population and guests, as well as Bhutanese diplomats residing outside Bhutan.

5. Data Collection

As per Government Order, 30th May to 1st June 2017 was declared as National Census Holiday. During this three-day holiday, individual enumeration was carried out by 9,750 census enumerators/officials as per the United Nations principles of conducting population and housing census. The enumeration for the transient population was done on the eve of census day (29th May 2017). However, people who were travelling were counted at bus terminals, truck parking, at the gates and checkpoints on 30th May 2017.

6. Data Processing

After the census forms were retrieved from the field, there were multiple post-census activities, which were done simultaneously to clean and edit data for tabulation. The following are some of the activities:

File Management/Batching

A team of file managers verified and cross checked the number of forms submitted by the dzongkhags/thromdes with the control forms. Files with discrepancies were referred back to the respective Dzongkhag Statistical Officer for verification.

Data Editing

After the verification process was completed, a team of trained editors went through the details of each questions to verify the consistency of the information collected. Missing, incomplete and inconsistent responses were verified with the particular household through telephone calls.

Data Coding

After editing the filled questionnaires, a team of trained coders assigned appropriate codes for administrative units as per the standards developed by the NSB. Occupation and Industry codes were based on the International Standard Classification of Occupations (ISCO-08) and International Standard Industrial Classification (ISIC Rev. 4) respectively. The local units were converted into standard units using standard measurement units of the country.

Data Entry/Batch Editing

Census and Survey Processing System (CSPPro) was used for data entry programme as well as to check data consistency.

Data Tabulation

The analysis team undertook data tabulation exercises in the months of January and February 2018. Data analysis was done using STATA software. Census data on topics such as demographic, socio-economic, migration and housing characteristics were tabulated and presented at the *gewog/town*, *dzongkhag/thromde* and national levels by age, sex and urban - rural areas.

7. Variable Name, Label and Description

This section gives detail description of all the variables given in the dataset. The variable name is given in the first column and it is same as the question number given in the questionnaire. The second column gives the label of the variable. It describes the variable in few words. The third column describes each variable in detail.

Household Identification

Variable Name	Variable Label	Description
Id1	Dzongkhag	Name of the Dzongkhag/district where household is currently residing.
Id2	Gewog/Town Code	The digit code given to the Gewog/town.
gewog_town	Gewog/Town Name	Name of the Gewog for rural areas and the name of the Town for the urban areas. <i>The 20 Dzongkhags are further subdivided into rural and urban areas. The rural areas consist of 205 administrative units (Gewogs) and is headed by a Gup. The urban areas are divided into 4 thromdes, 20 Dzongkhag towns and satellite towns.</i>
id8	Household Serial Number	Two-digit household serial number for identification.
Id9	Type of Household	Whether the household is regular, institution or transient. Regular Household consists of a single or a combined household. Institutional Household consists of a group of persons who live in an institution having common arrangements for food or taking their food from a common kitchen. Examples of institutional households are hostels, boarding houses, hotels, prisons, hospitals, orphanages, military installations etc. Transient Population/Household includes persons on transit or en-route to a certain destination, e.g. persons who stayed on Census Night in airports, bus stands, in vehicles, including persons travelling on foot (trekkers etc.). In general, transient population includes all persons who are found to be on the move at the time of Census enumeration.
Id10	Revisit	Number of revisits made by the enumerators to meet the respondents.
Id11	Completed	Indication for the completion of the enumeration.
id12	Institution/Transient Questionnaire Number	Questionnaire number for the institution/transient population.

Variable Name	Variable Label	Description
hl3	Relationship to the head of the household	It is the relationship of each member of that particular household to the household head. <i>Head of the Household is any member of the household, whether male or female, who is acknowledged as such by other members of the household and who bears the chief responsibility for managing the affairs of the household and takes decisions on behalf of the household.</i> <i>A household is a person or group of persons who usually live and eat together.</i>
hl4	Sex	Sex of all the household members.
hl5	Age	Age of all the household members. <i>Each members age is written in completed years, that is his/her age at his/her last birthday.</i>
dm3	Marital Status	Refers to current marital status of the members
hl6	Member Status	Status of the member whether they are present, absent or visitor/guest on the census night.
hl8a	Member absent within or outside Bhutan	It determines whether the member is residing within or outside Bhutan if he/she is absent on census night.
hl8	Members absent : Within Bhutan	Currently residing dzongkhag code for the member absent (within Bhutan) on the Census Night.
hl10	Members absent: Outside Bhutan	Currently residing country code for the member absent (outside Bhutan) on the Census Night
hl11	Duration absent in completed months	Duration of absence in completed months.
dm10	Place of birth: Location	Whether the person was born within Bhutan or outside Bhutan. <i>The place of birth of a person is the place of usual residence of the mother at the time of birth.</i>
dm12	Place of birth: Dzongkhag	Name of Dzongkhag where the person was born.
dm14	Place of birth: Gewog/Town	Name of Gewog/Town where the person was born.
dm15	Place of birth: Area	Whether the person was born in urban area or rural area.
dm17	Place of birth: Country	Name of country where the person was born if outside Bhutan

Variable Name	Variable Label	Description
dm27	Reason for migration	Reason for migration if the person has migrated.
dm27_specify	Reason for migration_Specify	Specify the reason for migration if it is not available in dm27.
dm32	Do you wear glasses or contact lenses everyday	Whether person wear glasses or contact lenses every day.
dm33	Do you have difficulty seeing, even if wearing glasses?	Whether the person has difficulty seeing even if wearing glasses.
dm34	Do you have difficulty hearing, even if using a hearing aid	Whether the person has difficulty hearing even if using a hearing aid.
dm35	Do you have difficulty walking or climbing steps	Whether the person has difficulty walking or climbing steps.
dm36	Do you have difficulty remembering or concentrating	Whether the person has difficulty remembering or concentrating.
dm37	Do you have difficulty (with self-care such as) washing all over or dressing	Whether the person has difficulty (with self-care such as) washing all over or dressing.
dm38	Using your usual language, do you have difficulty communicating	Whether the person has difficulty in communicating using usual language.
dm39_1 to dm39_2	What difficulty caused the main concern? List main two if more than two	List two main difficulties (if more than two) that have caused main concern. <i>Difficulties are seeing, speaking, hearing, moving and mental.</i>
dm40_1 to dm40_2	At what point in time did you start experiencing this difficulty	The point in time that the person has started experiencing the difficulty selected in dm39. <i>Here point in time are birth, in childhood, working age adult and old age.</i>
dm41_1 to dm41_2	Causes of disability	Causes of the difficulties, whether by accidents, disease/illness or others.
ee2	Read and Write in Dzongkha	Whether the person can read and write a short text in Dzongkha.
ee3	Read and Write in English	Whether the person can read and write a short text in English.
ee4	Read and Write in Lotsham	Whether the person can read and write a short text in lotsham.

Variable Name	Variable Label	Description
ee5	Read and Write in Other	Whether the person can read and write a short text in other language.
ee6	School/Institute attendance	Whether the member has attended the school/ institute in the past or is currently attending or never attended. <i>School' means the formal educational system starting from pre-primary right through grade 12. 'Institute' refers to all Universities/Colleges/Technical Training Institutes (TTIs) / Early Childhood Care and Development (ECCD)) /Basic Literacy Course (BLC)/Post Literacy Course (PLC) which has formal grading system.</i>
ee7	Highest grade completed	The highest grade completed in the school/institute by a person.
ee7_specify	Highest grade completed _ Specify	Specify the grade completed by the person if the option is not there in ee7.
ee8	Attending any other types of traditional learning	Whether the person is currently attending any traditional learning. Traditional learning includes: <i>Monastic Education refers strictly to only those who are attending monastic education in dratsang/shedra/drubdey/gomdey/ Patshala. This does not include Gomchens or lay monks.</i> <i>Patshala refers to a traditional Hindu school where children are taught in Sanskrit by Pundits.</i> <i>Public Monastic education refers to those monastic institutions administered by Central Monastic Body.</i> <i>Private Monastic education refers to monastic institutions run by private entities.</i>
ee8_specify	Other types of traditional learning	Specify the other types of traditional learning if the option is not available in ee8.
ee9	Main activity at present	The main activity a person is currently engaged in. This is not limited to working activities. For instance, if a person spends most of their time as a student, they should report student even if they do some work. Here if the respondent indicates that they are temporarily away from their main activity (e.g. on holidays or due to illness) then they should be asked what they normally do. If the respondent indicates that a number of categories are relevant, ask them to select the main.

Variable Name	Variable Label	Description
ee9_specify	Others_ee9	Specify the main activity if the option is not available in ee9.
ee10	Main products produced	The main products produced by a person whose main activity is farming, raising animals, forestry or fishing.
ee11	Main intended destination of production	The main intended destination of the products produced. This is to identify whether products produced from the work is MAINLY for sale or MAINLY for own/family use.
ee12	Worked for pay/profit as secondary activity	Whether a person has worked for pay/profit as secondary activity in last seven days from the time of the enumeration.
ee14	Industry	Description of the industry or branch of economic activity in which the secondary activity is carried out.
ee15	Status in employment	The question identifies employment status of a person.
ee15_specify	Others_ee15	Specify the status of employment if the option is not available in ee15.
ee17	Occupation	It is the main occupation of a person with his/her main task and duties.
ee18	Look for a paid job or try to start a business in the last 4 weeks	Whether the person has looked for any kind of paid job or tried to start a business in the last 4 weeks before the time of enumeration.
ee19	Available to start work within the next 2 weeks	Whether the person is available to start a work within next 2 weeks from the time of enumeration.
fr3	Ever delivered	Whether the woman has ever given birth in her life time.
fr4	Age at first birth	Age of mother at the time of birth of her first child.
fr5	Number of live children born to the woman in her life time_MALE	The total number of live male children born to the woman in her lifetime.
fr6	Number of live children born to the woman in her life time_FEMALE	The total number of live female children born to the woman in her lifetime
fr7	How many are living_MALE	The number of living male children.
fr8	How many are living_FEMALE	The number of living female children.

Variable Name	Variable Label	Description
fr9	How many are dead:MALE	The total number of male children dead.
fr10	How many are dead:FEMALE	The total number of female children dead.
fr11	Any delivery in the past 12 months	Whether a woman delivered a child in the past 12 months preceding the census reference period. Mention the place of delivery.
fr12	Number of children born in the past 12 months_MALE	The number of male children born to the woman in the past 12 months.
fr13	Number of children born in the past 12 months_FEMALE	The number of female children born to the woman in the past 12 months.
throm	throm	The major towns Identified by the government with independent administrative jurisdiction.
area	area	Area refers to whether the household is located in urban or rural areas.
houseid	houseid	It is the unique number given to the household.
personid	personid	It is the unique number given to the person.
nationality	nationality	Whether the person is Bhutanese or Non-Bhutanese.

Household Information

Variable Name	Variable Label	Description
hh1	Approach road	Time taken by the households to reach the nearest motorable road.
hh2	Wall Material	The main construction material of the wall. Wall here refers to the main structure of the house construction or the outer wall and not the partitions within the house.
hh2_specify	Wall Material Specify	Specify the wall material if the option is not available in hh2.
hh3	Roof material	The main material of the roof.
hh3_specify	Roof material Specify	Specify the roof material if the option is not available in hh3.
hh4	Floor material	The main material of the floor.
hh4_specify	Floor material Specify	Specify the floor material if the option is not available in hh4.

Variable Name	Variable Label	Description
hh5	House Occupancy status	It is to determine whether the house is rented or owner occupied.
hh5_specify	House Occupancy status Specify	Specify the house occupancy if the option is not available in hh5.
hh6	Number of rooms	The total number of rooms occupied by the household. Should include all the rooms in two or more structures/ census houses If the household uses for living purposes. Bathrooms, toilets and store rooms are excluded.
hh7	Lighting	Main source of lighting for the household.
hh7_specify	Lighting Specify	Specify the source of lighting if the option is not available in hh7.
hh8	Cooking fuel	Two main sources of cooking fuel used by the household.
hh8_specify	Cooking fuel Specify	Specify the cooking fuel if the option is not available in hh8.
hh9	Toilet facility	The type of toilet facility used by the household.
hh9_specify	Toilet Specify	Specify the toilet facility if the option is not available in hh9.
hh10	Main source of drinking water	The main source of drinking water used by the household.
hh10_specify	Drinking water specify	Specify the source of drinking water if the option is not available in hh10.
hh11	Reliability of water source	Whether the source of drinking water is reliable.
hh12	Visit to health facility	Whether any member of the household had visited a health facility for any treatment in the past one year preceding the census reference period.
hh12a to hh12a_re	Reason for not visiting health facility	The main reason for not visiting the health facility.
hh13a to hh13l	Communication Media facilities:	The type of communication media facilities available in the household.
hh13_specify	Communication Media Facilities Specify	Specify the communication media facility if the option is not available in hh13.

Variable Name	Variable Label	Description
hh14a to hh14o	Household assets:	Information on the ownership of various items owned by household.
hh15a to hh15g	Individual assets:	Information on the ownership of various items owned by any of the household members.
hh18	Does the household have land anywhere in Bhutan with Lagthram	Whether the household own land anywhere in Bhutan with Lagthram.
hh20_1	Dry Land Owned	The total area of dry land owned by the household. Total land holding is as per the lagthram of any of the household members.
hh21_1	Dry Land leased out	Total area of dry land leased out to other persons.
hh22_1	Dry Land uncultivated	The total area of uncultivated dry land.
hh23_11 to hh23_13	Reason for leaving the dry land uncultivated	The reasons for leaving the dry land uncultivated/fallow.
hh20_2	Wet Land owned	The total area of wet land owned by the household. Total land holding is as per the lagthram of any of the household members.
hh21_2	Wet Land leased out	Total area of wet land leased out to other persons.
hh22_2	Wet Land uncultivated	The total area of uncultivated wet land.
hh23_21 to hh23_23	Reason for leaving the wet land uncultivated	The reasons for leaving the wet land uncultivated/fallow.
hh20_3	Orchard Land owned	The total area of orchard land owned by the household. Total land holding are as per the lagthram of any of the household members.
hh21_3	Orchard Land leased out	Total area of orchard land leased out to other persons.
hh22_3	Orchard Land uncultivated	The total area of uncultivated orchard land.
hh23_31 to hh23_33	Reason for leaving the Orchard uncultivated	The reasons for leaving the orchard land uncultivated/fallow.
hh20_4	Cardamom owned	The total area of cardamom land owned by the household. Total land holding are as per the lagthram of any of the household members.
hh21_4	Cardamom leased out	Total area of cardamom land leased out to other persons.

Variable Name	Variable Label	Description
hh22_4	Cardamom uncultivated	The total area of uncultivated cardamom land.
hh23_41 to hh23_43	Reason for leaving the Cardamom uncultivated	The reasons for leaving the cardamom land uncultivated/ fallow.
hh20_5	Rural housing plot owned	The total area of rural housing plot owned by the household. Total land holding is as per the lagthram of any of the household members.
hh21_5	Rural housing plot leased out	Total area of rural housing plot leased out to other persons.
hh22_5	Rural housing plot uncultivated	The total area of uncultivated rural housing plot.
hh23_51 to hh23_53	Reason for leaving the Rural plot uncultivated	The reasons for leaving the rural housing plot uncultivated/fallow.
hh20_6	Urban housing plot owned	The total area of urban housing plot owned by the household. Total land holding are as per the lagthram of any of the household members.
hh21_6	Urban housing plot leased out	Total area of urban housing plot leased out to other persons.
hh22_6	Urban housing plot uncultivated	The total area of uncultivated urban housing plot.
hh23_61 to hh23_63	Reason for leaving the Urban plot uncultivated	The reasons for leaving the urban housing uncultivated/fallow.
hh20_7	Tsesa owned	The total area of Tsesa owned by the household. Total land holding are as per the lagthram of any of the household members.
hh21_7	Tsesa leased out	Total area of Tsesa leased out to other persons.
hh22_7	Tsesa uncultivated	The total area of uncultivated Tsesa.
hh23_71 to hh23_73	Reason for leaving the Tsesa uncultivated	The reasons for leaving the Tsesa uncultivated/fallow.
hh24	Does the household lease in land anywhere in Bhutan	Whether the household has leased in land anywhere in Bhutan.
hh25_1	Dry land leased in	The total area of dry land leased in by the household.
hh25_2	Wet land leased in	The total area of wet land leased in by the household.
hh25_3	Orchard land leased in	The total area of orchard land leased in by the household.

Variable Name	Variable Label	Description
hh25_4	Cardamom leased in	The total area of cardamom land leased in by the household.
hh25_5	Rural housing plot leased in	The total area of rural housing plot leased in by the household.
hh25_6	Urban housing plot leased in	The total area of urban housing plot leased in by the household.
hh25_7	Tsesa leased in	The total area of Tsesa leased in by the household.
hh26	In the last 12 month has a situation been faced when there was no enough food to feed all members of the household	Whether the household has faced shortage of food to feed all members of the household in last 12 months preceding census reference period.
hh27	Is the toilet shared with other household	Whether the household is sharing the toilet with another household.
hh28	How long does it take to go there , get water and come back	The total time taken to fetch the water from the water source.
hh29	Do you have fruit trees anywhere in Bhutan	Whether the household own fruit trees anywhere in Bhutan.
hh31_1	Apple trees	Number of apple trees owned by the household anywhere in Bhutan.
hh31_2	Orange trees	Number of orange trees owned by the household anywhere in Bhutan.
hh31_3	Walnut trees	Number of walnut trees owned by the household anywhere in Bhutan.
hh31_4	Peach trees	Number of peach trees owned by the household anywhere in Bhutan.
hh31_5	Plum trees	Number of plum trees owned by the household anywhere in Bhutan.
hh31_6	persimmon trees	Number of persimmon trees owned by the household anywhere in Bhutan.
hh31_7	Pear trees	Number of pear trees owned by the household anywhere in Bhutan.
hh31_8	Banana	Number of banana trees owned by the household anywhere in Bhutan.

Variable Name	Variable Label	Description
hh31_9	Mango trees	Number of mango trees owned by the household anywhere in Bhutan.
hh31_10	Hazelnut	Number of hazelnut trees owned by the household anywhere in Bhutan.
hh31_11	Doma	Number of doma trees owned by the household anywhere in Bhutan.
hh31_12	Other fruit trees	Number of other fruit trees not in the list but owned by the household anywhere in Bhutan.
hh32	Do you have livestock and poultry anywhere in Bhutan?	Whether the household own livestock and poultry anywhere in Bhutan.
hh34_1	Pig	Number of pig owned by the household anywhere in Bhutan.
hh34_2	Horse	Number of horse owned by the household anywhere in Bhutan.
hh34_3	Donkey	Number of donkey owned by the household anywhere in Bhutan.
hh34_4	Mule	Number of mule owned by the household anywhere in Bhutan.
hh34_5	Jatsham	Number of jatsham owned by the household anywhere in Bhutan.
hh34_6	Thrabam/Yankum	Number of thrabam/yankum owned by the household anywhere in Bhutan.
hh34_7	Sheep	Number of sheep owned by the household anywhere in Bhutan.
hh34_8	Jatsha/Yangku/Dangla/Mixed breed	Number of Jatsha/ Yangku/ Dangla/ Mixed breed owned by the household anywhere in Bhutan.
hh34_9	Improved breed_male	Number of improved breed_male owned by the household anywhere in Bhutan.
hh34_10	Improved breed_Female	Number of improved breed_Female owned by the household anywhere in Bhutan.
hh34_11	Other Cattles	Number of other cattle's owned by the household anywhere in Bhutan.

Variable Name	Variable Label	Description
hh34_12	Buffalo_male	Number of buffalo_male owned by the household anywhere in Bhutan.
hh34_13	Buffalo_female	Number of buffalo_female owned by the household anywhere in Bhutan.
hh34_14	Yak_male	Number of yak_male owned by the household anywhere in Bhutan.
hh34_15	Yak_female	Number of yak_female owned by the household anywhere in Bhutan.
hh34_16	Goat	Number of goat owned by the household anywhere in Bhutan.
hh34_17	Poultry	Number of poultry owned by the household anywhere in Bhutan.
hh34_18	Fish pond	Number of fish pond owned by the household anywhere in Bhutan.
hh34_19	Bee hives	Number of bee hives owned by the household anywhere in Bhutan.
hh34_20	Other Livestock Specify	Number of other livestock owned by the household.

MORTALITY

Variable Name	Variable Label	Description
mr1	Any deaths in the past 12 months in the household	Whether there were any deaths in the household in past 12 months preceding the census reference period.
mr2	Serial number	The running serial number of the deceased within the household during the reference period.
mr4	Sex of the deceased	Sex of the deceased.
mr5	Age at death	The age of the deceased at the time of death. Age at death in completed years.
mr6	Causes of death	The nature of illness or accident that caused the death.
mr6_specify	Cause of death Specify	Specify the cause of death if the option is not available in mr6.

Variable Name	Variable Label	Description
mr7	Deceased female (15-49) was pregnant	Whether the woman was pregnant at the time of death. <i>Pertain to women aged 15-49 years who have died due to pregnancy related causes.</i>
mr8	Deceased female (15-49) was giving birth	Whether the deceased died while giving birth.
mr9	Deceased female (15-49) was within 6 weeks of the end of a pregnancy or child birth	Whether the deceased died within 6 weeks of the end of a pregnancy or child birth.

6. KEY INDICATORS

The key indicators and their details are as follows:

- **Indicator:** Representation of the statistical data for a specified time, place or any other relevant characteristic. It is a summary measure related to a key issue or phenomenon and derived from a series of observed facts. Indicators can be used to reveal relative positions or show positive or negative change.
- **Unit:** Unit of observation or measurement for which data are collected or derived.
- **Indicator definition:** Describes the indicator in detail or definition of the indicator.
- **Method of computation:** It is the mathematical calculation/model/formula includes both arithmetical or non-arithmetical steps and which followed a well-defined model.
- **Comments and Limitations:** If any characteristics of design or methodology that impacted or influenced the interpretation of the finding from this census.

Sl. No	Indicator	Unit	Indicator Definition	Method of Computation
1	Sex Ratio	number	Number of males for every 100 females	Numerator is number of Males and denominator is number of Females
2	Ageing Index	percent	Number of persons aged 65 and above as a percentage of the number of persons aged 0 to 14	Numerator is number of persons aged 65 years and above and denominator is number of persons aged 0 to 14
3	Median Age	years	The median age marks the point where half of the population is older and half of that is younger	-
4	Child Dependency Ratio	percent	Refers to numbers of children aged 0 to 14 years as a percentage of population aged 15 to 64	Numerator is number of children 0 to 14 years and denominator is number of persons 15 to 64 years
5	Old Age Dependency Ratio	percent	Refers to numbers of persons aged 65 years and above as a percentage of population aged 15 to 64 years	Numerator is number of persons 65 years and above and denominator is number of persons 15 to 64 years

Sl. No	Indicator	Unit	Indicator Definition	Method of Computation
6	Total Dependency Ratio	percent	Sum of child and old age dependents	Numerator is number of persons between 0 to 14 years and 65 years and above and denominator is number of persons 15 to 64 years
7	Population Density	number	The number of persons per square kilometer	Numerator is total number of population and denominator is total land area in kilometer square
8	Literacy Rate	percent	The ratio of literate population aged 6 years and above to the total population of same age group expressed in percentage	Numerator is population aged 6 years above who can read and write a short text in any language and denominator is total population aged 6 years and above
9	Currently Attending School/Institute	percent	The ratio of persons aged 6 years and above who are currently attending school/ institute to the total population of same age group expressed in percentage	Numerator is population aged 6 years above who are currently attending school/institute and denominator is total population aged 6 years and above
10	Previously Attended School/institute	percent	The ratio of persons aged 6 years and above who had attended school/institute in the past to the total population of same age group expressed in percentage	Numerator is population aged 6 years above who had attended school/institute in the past and denominator is total population aged 6 years and above
11	Never Attended School/institute	percent	The ratio of persons aged 6 years and above who have never attended school/ institute to the total population of same age group expressed in percentage	Numerator is population aged 6 years above who have never attended school/institute and denominator is total population aged 6 years and above
12	Child Survival Rate	percent	Number of children surviving or living, expressed as a percentage of the number of children born in their lifetime to women aged 15–49 years	Numerator is number of Children living and denominator is number of children born in life time to women aged 15-49
13	Crude Birth Rate	number	Number of live births in a year per 1,000 population	Numerator is number of live births in a year and denominator is total Population expressed in thousand
14	General Fertility Rate	percent	Number of births during a year per 1,000 women of reproductive age (15–49 years)	Numerator is number of live births in a year and denominator is female Population (Age 15-49)
15	General Marital Fertility Rate	percent	Number of births during a year for every 1,000 women of reproductive age who are married or living together	Numerator is number of live births in a year and denominator is female Population (Age 15-49) married or living together
16	Age Specific Fertility Rate	percent	Number of live births to females in a specific age group	Numerator is number of live births to females in a specific age group and denominator is female population in that age group

Sl. No	Indicator	Unit	Indicator Definition	Method of Computation
17	Total Fertility Rate	percent	Average number of children a woman would bear during her entire reproductive life, at the prevailing age-specific fertility rate.	Total (five-year age-specific birth rates for females aged 15 to 49) multiplied by 5
18	Disability Prevalence Rate	percent	A person reporting lot of difficulty or cannot do at all in any one of the six domains	Numerator is number of person reporting lot of difficulty or cannot do at all in any one of the six domains and Denominator is total population within reference age group
19	Multi Domain Disability Prevalence Rate	percent	A person reporting lot of difficulty or cannot do at all in more than one of the six domains	Numerator is number of person reporting lot of difficulty or cannot do at all in more than one of the six domains and Denominator is total population within reference age group
20	Crude Death Rate	number	The number of deaths in a year per 1,000 population	Numerator is total number of deaths and denominator is total population expressed in thousand
21	Maternal Mortality Ratio	number	The number of maternal deaths per 100,000 live births in a year	Numerator is total number of maternal deaths and denominator is total number of live births in a year expressed in hundred thousand.
22	Infant Mortality Rate	number	The number of deaths of children below one year per 1,000 live births in a year	Numerator is total number of deaths of children below one year and denominator is total number of live births in a year expressed in thousand.
23	Child Mortality Rate	number	The number of deaths of children between 1-4 years per 1,000 live births in a year	Numerator is total number of deaths of children between 1-4 years and denominator is total number of live births in a year expressed in thousand
24	Under Five Mortality Rate	number	The number of deaths of children below 5 years per 1,000 live births in a year	Numerator is total number of deaths of children below 5 years and denominator is total number of live births in a year expressed in thousand
25	Age Specific Death Rate	number	The number of deaths per 1,000 population in a specific age interval	Numerator is total number of deaths in a specific age interval and denominator is total population in a specific age interval expressed in thousand
26	Working-age Population	number	All persons aged 15 years and above are considered to be working-age population. It comprises of economically active (labour force) and inactive population	

Sl. No	Indicator	Unit	Indicator Definition	Method of Computation
27	Labour Force Participation Rate (LFPR)	percent	LFPR is defined as the proportion of economically active or the labour force to the working-age population	Numerator is economically active or labour force and denominator is Working-age population
28	Economically Active (Labour Force)	number	All persons aged 15 years and above who were employed or unemployed during the reference period of the census	
29	Economically Inactive	number	Economically Inactive Population comprise of persons aged 15 years and above who were neither “employed” nor “unemployed” during the reference period	
30	Unemployment Rate	percent	Unemployed persons comprise of persons aged 15 years and above who during the reference period were without work, currently available for work and seeking work.	Numerator is number of unemployed persons and denominator is Labour force
31	Youth Unemployment Rate	percent	Youth unemployment is defined as the percentage of the unemployed population in the age group 15-24 years to the labour force or economically active population in the same age group	Numerator is Unemployed persons (15-24 years) and denominator is Labour force in the same age group
32	In-Migration Rate Per 1,000 Persons	number	It is the total number of migrants received by the Dzongkhag to the total population of the Dzongkhag	Numerator is total in-migrants of the Dzongkhag and denominator is total Dzongkhag Population expressed in thousand
33	Out-Migration Rate Per 1,000 Persons	number	It is the total number of migrants who moved out of the Dzongkhag to the total population of the Dzongkhag	Numerator is total out-migrants of the Dzongkhag and denominator is total Dzongkhag Population expressed in thousand
34	Net-Migration Rate Per 1,000 Persons	number	It is the net population gain by the Dzongkhag to the total population of the Dzongkhag	Numerator is total net-migrants of the Dzongkhag and denominator is total Dzongkhag Population expressed in thousand
35	Average Household Size	number	Average number of persons living in a household	Numerator is total persons in regular households and denominator is number of regular households
36	Room Density	number	Persons per room	Numerator is total population and denominator is total number of rooms
37	Improved Sanitation Facility	percent	Proportion of households with improved sanitation facilities	Numerator is number of households with improved toilets and denominator is total number of households

Sl. No	Indicator	Unit	Indicator Definition	Method of Computation
38	Improved Sources of Drinking Water	percent	Proportion of households with improved drinking water sources	Numerator is number of households with pipe water inside the dwelling, pipe water outside the dwelling, protect well/spring and rainwater and denominator is total number of households
39	Reliable Water Supply	percent	Reliable water supply is defined as availability of water at least during the critical time (5AM-8AM, 11AM-2PM and 5PM-9PM) adequate for washing and cooking	Numerator is number of households with reliable water supply and denominator is total number of households
40	Food Insufficiency	percent	Not having food to feed all the household members during the last 12 months	Numerator is number of households with food insufficiency and denominator is total number of households
41	Landholder	number	A household that owns any type of land with lagthram	
42	Mean Land Holding	acreage	Average area of land owned by regular Bhutanese households	

7. REPORT

The 2017 PHCB report is available in hard copy as well as in the NSB website (www.nsb.gov.bt)

The questionnaire and forms for the 2017 PHCB are attached as Annex.