

TECHNICAL NOTES

School Attendance and Place of School (2020 Census of Population and Housing)

I. Introduction

The Philippine Statistics Authority (PSA) conducted the 2020 Census of Population and Housing (2020 CPH) in September 2020, with 01 May 2020 as the reference date.

The 2020 CPH was the 15th census of population and 7th census of housing that was undertaken in the Philippines since the first census in 1903. It was designed to take an inventory of the total population and housing units in the country and collect information about their characteristics.

The Philippine Standard Geographic Codes as of April 2022 was used for the disaggregation of geographic levels of the 2020 CPH.

II. Data Limitation

Information in this Press Release include data on the school attendance and place of school of the household population five (5) to 24 years old. These data, which provide a description of the school-age population, are necessary to assess the adequacy of the country's educational resources. Data on place of school can also be used as inputs in estimating the daytime population.

The statistics presented in this report were based on the information provided by the respondent or any responsible household member who may provide accurate answers to the questions and give correct information about all the household members. Likewise, the statistics presented are based on responses from the 20 percent of the total households based on the 2020 CPH.

III. Methodology

III.1. Method of Enumeration

The population and housing censuses in the Philippines are conducted on a "de jure" basis, wherein a person is counted in the usual place of residence or the place where the person usually resides. The enumeration of the population and collection of pertinent data in the 2020 CPH referred to all living persons as of 01 May 2020.

Information on school attendance and place of school contained in this Press Release were collected for household members 5-24 years old from a sample household using CPH Form 3 (Sample Household Questionnaire) and CPH Form 7 (Self-Administered Questionnaire for Sample Household). Information on household characteristics contained in

this release are based on the information provided by the household respondents and by observation of the enumerator during the data collection of the 2020 CPH.

The items for the sample household questionnaire were administered through questions asked by the enumerator, which are as follows:

1. School Attendance (“*Did _____ attend school at any time from June 2019 to May 2020?*”)
2. Place of School (“*In what province and city/municipality did _____ attend school?*”)

III.2. Sampling Scheme

The 2020 CPH was carried out using a combination of complete enumeration and sampling. The sampling rate or the proportion of households selected as sample households was 20 percent.

The sampling rate for the city/municipality is applied to all enumeration areas (EAs) in the city/municipality. Each city/municipality was treated as a domain to obtain efficient and accurate population and housing estimates at the city/municipality level. A 20 percent systematic cluster sampling rate was adopted to minimize the enumerator’s selection bias.

In this sampling scheme, an EA was divided into clusters composed of five households each. Clusters were formed by grouping five households, assigned with consecutive numbers as they were listed. A sample selection of one in every five clusters of households was carried out, with the first cluster selected randomly. A random start was predetermined for each EA.

III.3. Estimation Procedure

The estimation procedure produces a set of household weights. The weights for each sample household corresponds to the number of households that the total household represents. These weights are applied to the sample data to produce estimates from the sample questionnaire. Estimates are summary measures calculated from the sample for various characteristics of interest.

Household weight is computed at the city/municipal level. Compute the household weight as the inverse of probability of inclusion at the city/municipality level. This can be done by determining the probability of inclusion for each city/municipality and then taking the inverse of this probability.

The inverse of probability of inclusion is computed as

$$Pweight_i = \frac{NP_i}{np_i}$$

where NP_i is the total household population in the i -th city/municipality, np_i is the total sample household population in the i -th city/municipality, and $Pweight_i$ is the person weight for all sample household population in the i -th city/municipality.

The person weight is further adjusted or calibrated using cell adjustment factors that are computed in each cell combination of 5-year age group and sex variable. These adjustment factors will be multiplied to the initially calculated person weight accordingly:

$$Final_{Pweight_i} = adj * Pweight_i$$

where $Pweight_i$ is the person weight for all sample household population in the i -th city/municipality, and $Final_Pweight_i$ is the calibrated person weight to conform with the age-sex population structure at the i -th city/municipality.

IV. Concepts and Definition of Terms

Household is a social unit consisting of a person or a group of persons who sleep in the same housing unit and have a common arrangement in the preparation and consumption of food.

Household population refers to all persons who are members of the household.

Sex is the biological and physiological reality of being a male or female.

Age refers to the interval between the person's date of birth and his/her last birthday before the census reference date. It is expressed in completed years or whole number.

Out-of-School Children and Youth refers to household members 5 to 24 years old who are currently not attending formal school.

School attendance, for the purpose of the 2020 CPH, refers to the attendance of a person in any educational institution, public or private, to obtain formal education. A person attending school within the formal educational system at any time during the School Year 2019-2020 was reported as attending school.

Place of school refers to the city/municipality and province where a person attended school within the formal educational system at any time during the school year 2019-2020.