

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

The Philippine Standard Geographic Code (PSGC) as of April 2022 was used to disaggregate the geographic levels of the 2020 CPH.

II. Data Collection

Information in this Press Release include data on the school attendance and place of school of the household population 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 housing characteristics. Data were gathered from a sample of about 5.22 million households, which represent about 20 percent of the total households nationwide.

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).

The items in the sample household questionnaire were administered through the following questions:

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 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 pre-determined for each EA.

III.3 Estimation Procedure

The estimation procedure produces a set of person weights. The weights for each sample household population represents the total household population. 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.

Person weight is computed at the city/municipal level. This is calculated as the total number of persons (NP) in the household population divided by the total number of persons in the sample (nP).

The inverse of probability of inclusion is computed:

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

where:

NP_j = total household population in the i^{th} city/municipality

nP_i = total sample household population in the i^{th} city/municipality

$Pweight_i$ = 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:

$Pweight_i$ = person weight for all sample household population in the i^{th} city/municipality

$Final_Pweight_i$ = calibrated person weight to conform with the age-sex population structure at the i^{th} city/municipality

IV. Definition of Terms and Concepts

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.

V. Dissemination of Results and Revision

The 2020 CPH press release and statistical tables are publicly available at the PSA website, <https://psa.gov.ph/population-and-housing>.

VI. Citation

Philippine Statistics Authority. Technical Notes, 2020 Census of Population and Housing. <https://psa.gov.ph/population-and-housing/technical-notes>

VII. Contact Information

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