

Philippines - Occupational Wages Survey (OWS) 2018

Philippine Statistics Authority (PSA),

Report generated on: June 19, 2023

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Overview

Identification

ID NUMBER
PHL-PSA-OWS-2018-V2.0

Version

VERSION DESCRIPTION
V2.0: Final dataset for official estimates (April 2023)

PRODUCTION DATE
2020-05-22

Overview

ABSTRACT
A. Objective/s of the Survey

The Occupational Wages Survey (OWS) aims to generate statistics for wage and salary administration and for wage determination in collective bargaining negotiations.

B. Uses of the Data

Statistics on wage rates are useful economic indicators and are inputs to wage, income, productivity and price policies, wage fixing and collective bargaining. Specifically, occupational wage rates can be used to measure wage differentials, wage inequality in typical low wage and high wage occupations and for international comparability. Industry data on basic pay and allowance can be used to measure wage differentials across industries, for investment decisions and as reference in periodic adjustments of minimum wages.

C. Main Topics Covered by the Survey

Main topics covered by the survey are occupational wage rates, median basic pay and median allowances of time-rated workers on full-time basis.

KIND OF DATA
Sample survey data [ssd]

UNITS OF ANALYSIS
The statistical unit is the establishment. Each unit is classified to an industry that reflects its main economic activity---the activity that contributes the biggest or major portion of the gross income or revenues of the establishment.

Scope

NOTES
The scope of the survey includes:

- Employment and wage rates of time-rated workers on full-time basis
- Employment and wage rates of time-rated workers on full-time basis in selected occupations

TOPICS

Topic	Vocabulary	URI
Labour	Philippine Statistics Authority	

Coverage

GEOGRAPHIC COVERAGE

National coverage with 17 administrative regions:

National Capital Region

Cordillera Administrative Region

Region I - Ilocos Region

Region II - Cagayan Valley Region

Region III - Central Luzon

Region IV-A - CALABARZON

MIMAROPA Region

Region V - Bicol Region

Region VI - Western Visayas Region

Region VII - Central Visayas Region

Region VIII - Eastern Visayas Region

Region IX - Zamboanga Peninsula

Region X - Northern Mindanao

Region XI - Davao Region

Region XII - SOCCSKSARGEN

Region XIII - Caraga Region

Autonomous Region in Muslim Mindanao

UNIVERSE

Covered agricultural and non-agricultural industries EXCEPT central banking, public administration and defense and compulsory social security; retail sale via stalls and markets, jeepney and Asian Utility Vehicle (AUV) operation; tricycles, calesas, pedicabs operations; public education services; public medical, dental and other health services; cockpits operation activities, musical band or band in operation during fiestas; activities of membership organizations; activities of households as employers of domestic personnel; undifferentiated goods-and-services-producing activities of households for own use; and activities of extra-territorial organizations and bodies. For purposes of monitoring occupational wage rates, 60 industries were pre-determined out of the 70 covered by the survey.

Producers and Sponsors

PRIMARY INVESTIGATOR(S)

Name	Affiliation
Philippine Statistics Authority (PSA)	National Economic and Development Authority (NEDA)

FUNDING

Name	Abbreviation	Role
Government of the Philippines	GOP	Full funding

Metadata Production

METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
Social Sector Statistics Service - Labor Standards and Relations Statistics Division	SSSS-LSRSD	Philippine Statistics Authority	Documenter

DATE OF METADATA PRODUCTION

2020-05-22

DDI DOCUMENT VERSION

Version 1.0 (May 2020)

Version 2.0 (April 2023)

DDI DOCUMENT ID

DDI-PHL-PSA-OWS-2018-v2.0

Sampling

Sampling Procedure

Survey universe/Sampling frame:

The frame for the 2018 OWS was extracted from the 2017 updated List of Establishments (LE) as of 28 March 2018. This frame was used to draw the sample establishments for the survey. The updated 2017 LE is a result of the 2016 Updating of the List of Establishments (ULE) and 2017 ULE undertakings which were conducted to provide an updated sampling frame for the 2018 OWS and other establishment/enterprise-based surveys. Other sources of updates are the survey feedbacks from the 2017 Quarterly Survey of Philippine Business and Industry (QSPBI), 2016 Annual Survey of Philippine Business and Industry (ASPBI), 2016 Occupational Wages Survey (OWS) and 2015/2016 Integrated Survey on Labor and Employment (ISLE).

Sampling design:

The OWS uses stratified systematic sampling design with 2-digit, 3-digit, 4-digit and 5-digit PSIC serving as industry strata and total employment as the second stratification variable. Certainty stratum was considered in this survey round. A total of 8,602 sample establishments were considered as certainty units. On the other hand, the sample sizes of the remaining 58 industry groups in the non-certainty stratum (20-99 employment size) were computed taking into account the computed highest Coefficient of Variation (CV) between the average wage rates of two benchmark occupations, i.e. Accounting and Bookkeeping Clerks and Unskilled Workers from the previous survey round of OWS and a target coefficient of variation (CV) of 4%. Geographical location was not considered in the stratification to allow for detailed industry groupings.

Sample Size:

For 2018 OWS, the number of establishments covered was 16,506.

Note: For complete Survey Design, refer to Survey Metadata and Field Operations Manual (Chapter 2).

Deviations from Sample Design

Not all of the distributed questionnaires are retrieved or have a status of “good” questionnaire. During data collection, there are reports of permanent closures, non-location, duplicate listing and shifts in industry and employment outside the survey coverage. Establishments that fall in these categories are not eligible elements of the frame and their count is not considered in the estimation. Non-responding eligible units are made up of refusals, strikes or temporary closures, under new management, consolidated reports with other sample establishments and those establishments whose questionnaires contain inconsistent responses and have not replied to the verification queries by the time output table generation commences.

Response Rate

The response rate in terms of eligible units was 84.75%.

Weighting

According to Kalton and Flores-Cervantes, weighting adjustments are commonly applied in surveys to compensate for non-response and non-coverage, and to make weighted sample estimates conform to external values (Weighting Methods, Journal of Official Statistics, Vol. 19, No. 2, 2003, pp. 81-97)

Not all of the fielded questionnaires are accomplished. During data collection, there are reports of permanent closures, non-location, duplicate listing and shifts in industry and employment outside the survey coverage. Establishments that fall in these categories are not eligible elements of the frame and their count is not considered in the estimation. Non-respondents

are made up of refusals, strikes or temporary closures, and those establishments whose questionnaires contain inconsistent item responses and have not replied to the verification queries by the time output table generation commences.

Respondents are post-stratified as to geographic, industry and employment size classifications. Non-respondents are retained in their classifications.

Sample values of basic pay and allowances for the monitored occupations whose basis of payment is an hour or a day are converted into a standard monthly equivalent, assuming 313 working days and 8 hours per day. Daily rate x 26.08333; Hourly rate x 208.66667.

Estimates are obtained by simple expansion, i.e., by multiplying the sample values at the cell level (industry and employment size) by the corresponding blowing-up factor which is the ratio of the estimated population of establishments to the number of responding establishments. These estimates are then aggregated to the desired totals.

Dividing the estimated total basic pay (or total allowances) in each occupation by the corresponding estimate of time-rate workers on full-time basis results to the average monthly basic pay or average monthly allowances as the case may be. The monthly average basic pay and monthly average allowances are then summed up to provide the average monthly wage rates by occupation.

The median monthly basic pay is computed from the estimated distribution of workers by monthly basic pay. On the other hand, the median monthly allowance is computed only for those workers reported with allowances.

A 95% level of reliability for national survey estimates is desired. It is to be assessed through the coefficients of variation (CVs) of population ratio for average monthly wage rates.

Questionnaires

Overview

The questionnaire is made up of several parts as follows:

Cover page (Page 1)

This contains a brief introduction of the survey and the assurance of confidentiality of data collected from the survey; the address box, contact particulars for assistance, spaces for changes in the name and the location of sample establishment, spaces for head office information in case the questionnaire is endorsed to it, and status codes of the establishment to be accomplished by PSA and its field personnel.

Survey Information (Page 2 to 3)

This contains the survey objective, scope of the survey, uses of the data, confidentiality clause, legal authority, coverage, periodicity and reference period, concepts and definition of terms, due date for accomplishing the form and availability of results of the 2018 OWS. Details on the coverage of data to report in this questionnaire based on the legal organization (LO) and economic organization (EO) of the establishment were also included in this part to guide respondents on the coverage of information to report.

Part A: General Information (Page 4 to 5)

This inquires on the main economic activity and major products/goods produced or sold or type of service rendered, LO and EO of the establishment and total employment;

Part B: Employment and Wage Rates of Time-Rated Workers on Full-Time Basis (Page 6 to 7)

This inquires data on the number of time-rated workers on full-time basis by time unit (hour, day or month) and by basic pay and allowance intervals disaggregated by sex.;

Part C: Employment and Wage Rates of Time-Rated Workers on Full-Time Basis in Selected Occupations (Page 8 to 13)

For each occupation covered, the establishment is asked to report the time unit of work (hourly, daily, monthly), corresponding basic pay per worker and number of full-time workers for each basic pay reported. Similar data are also asked for workers in the occupation that are given regular allowances. The total number of time-rate workers on full-time basis disaggregated by sex in each monitored occupation is likewise requested;

Part D: Certification (Page 14)

This part is provided for the respondent's name and signature, position, and telephone/fax numbers and e-mail address; time spent in answering the questionnaire; and comments or suggestions (on the data it provided for the survey, results of previous survey round and improvements on the design/contents of the questionnaire);

Part E: Survey Personnel (Page 14)

This portion is allocated for the names of personnel involved in collection, editing, review and assessed (if applicable) of each questionnaire and dates when the activities were completed;

Part F: Industries with Selected Occupations (Page 15)

This lists the selected 60 industries whose occupational employment and wage rates are being monitored; and

Survey Results (Page 16)

This contains selected statistics from the 2014 and 2016 OWS are presented for information and reference of the establishment.

Note: Refer to Questionnaire and Occupational Sheets for the List of Monitored Occupations.

Data Collection

Data Collection Dates

Start	End	Cycle
2018-09-17	2019-06-27	N/A

Time Periods

Start	End	Cycle
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Data Collection Mode

Self-Administered, Face-to-face [f2f] and Mailed

Data Collection Notes

The survey was conducted in coordination with the Regional Statistical Service Offices (RSSOs) and Provincial Statistics Offices (POs) of the Philippine Statistics Authority. On a project basis, Statistical Researchers (SRs) were hired to personally deliver and retrieve the questionnaires from the establishments. In some instances, questionnaires were mailed to establishments in less accessible or conflict prone areas, in which case a self-addressed envelope was provided. Some establishments also submitted the accomplished questionnaires through fax. Delivery of questionnaires started in September of the reference year and retrieval commenced within 10 working days from delivery to establishment or on a date agreed upon by the contact person and the enumerator.

To assist the respondents in classifying their job titles that have different nomenclatures than the PSOC, an occupational sheet was inserted in the questionnaire of an establishment whose industry belongs to the 60 pre-determined industries that are being monitored on occupational wage rates. This sheet contains a list of the occupations being monitored in each of the industry and their corresponding job descriptions in accordance with the PSOC.

The occupations vary across establishments depending on their industry classification. Establishments that fall outside the 60 industries were not given occupational sheets. However, in the event that the industry of such establishment has been misclassified in the sampling frame and it should have been provided an occupational sheet, the field staff was instructed to give the respondent the relevant occupational sheet. The two occupations considered as benchmark (accounting and bookkeeping clerks; and unskilled laborers except janitors, messengers and freight handlers) and their corresponding job descriptions appear in the pertinent portion of the survey questionnaire. Wage rates of these occupations were monitored in all industries covered by the survey.

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Data Collectors

Name	Abbreviation	Affiliation
PSA Field Offices	PSA FOs	Philippine Statistics Authority
Labor Standards and Relations Statistics Division, Social Sector Statistics Service	PSA-SSO-SSSS-LSRSD	Philippine Statistics Authority

Supervision

The personnel from the PSA Field Offices supervised the data collectors/enumerators in their respective regions. In provinces/areas where there were relatively many establishments to be covered, area supervisors were hired to assist the regional staff in the supervision of data collection activities.

Note: Refer to Field Operations Manual Chapter 5: Operational Strategy.

Data Processing

Data Editing

Data were manually and electronically processed in the PSA Provincial Offices. Upon collection of accomplished questionnaires, statistical researchers (SRs) performed field editing before leaving the establishments to ensure completeness, consistency and reasonableness of entries in accordance with the field operations manual. The questionnaires were again checked for data consistency and completeness by the field supervisors. When passed in the manual editing, the questionnaires were then turned over to machine processors for encoding and further validation.

The PSA-Central Office personnel undertook the final review, validation and scrutiny of aggregated results for coherence. Questionnaires with incomplete or inconsistent entries were verified to the establishments through the PSA Provincial Offices and/or or directly to them through e-mail/phone verification.

Other Processing

The OWS/ISLE Data Processing and Management System (OIDPMS) was used for data encoding and generation of validation prooflists. After checking accuracy of encoding based on the prooflists, a conversion program using SPSS and STATA was executed to generate output tables.

Data Appraisal

Estimates of Sampling Error

Estimates of the sampling errors will be computed and posted in PSA website.

Estimates are obtained by simple expansion, i.e., by multiplying the sample values at the cell level (industry and employment size) by the corresponding blowing-up factor which is the ratio of the estimated population of establishments to the number of responding establishments. These estimates are then aggregated to the desired totals.

A 95% level of reliability for national survey estimates is desired. It is to be assessed through the coefficients of variation (CVs) of population ratio for average monthly wage rates.

Other forms of Data Appraisal

The survey results are checked for consistency with the results of previous OWS data and the minimum wage rates corresponding to the reference period of the survey.