

Imputation of Non-Response on Economic Variables in the Mexican Health and Aging Study (MHAS/ENASEM) 2015

Project Report

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Table of Contents

Abstract.....	3
Introduction.....	4
Economic Variables in MHAS.....	5
Income, Assets Variables, and the Distribution of Non-Response	6
The Impact of the Unfolding Brackets to Reduce Non-Response	8
Imputation Methodology	9
Comparison of Variables With- and Without-Imputed Values	11
Construction of the Variables for Total Income at the Individual Level and Net Worth at the Household Level.....	11
References	16
List of Diagrams, Tables and Appendices	17
Diagrams.....	18
Tables	22
Appendix A	37
Appendix B	50
Appendix C	126

Abstract

The report describes the levels of non-response and the imputation procedure used in the Mexican Health and Aging Study (MHAS/ENASEM) 2015, to assign an exact amount to questions on economic value that had a non-response or a response using unfolding brackets. We used a multiple imputation technique, involving the regression sequencing method with a SAS-based software routine (IVEware) developed by researchers at the Survey Methodology Program, Survey Research Center, Institute for Social Research at the University of Michigan¹. We completed the imputation for economic variables such as income, assets, health care expenditures, and monetary help received.

Similar methodology was used to impute non-response in the MHAS 2001, 2003 and 2012 surveys. For a more detailed description of the imputation process, the reader of this document can refer to the companion MHAS project documents: “Imputation of Non-Response on Economic Variables in the Mexican Health and Aging Study” 2001, 2003 and 2012.

The MHAS data files used in the imputation process correspond to each raw Section of the survey instrument, containing the original variables as they were recorded in the survey interview. All constructed variables of the monetary amounts (with missing values) and the corresponding imputed variables (without missing values) are provided to the user in separate data files. In addition, we provide a separate file at the individual level that contains variables for income, and a file at the household level with variables for net worth. It is important to note that the process used to construct the income and net worth variables in 2015 is slightly different from previous waves. The difference is due to the changes implemented to the survey instruments; a detailed description is provided below in Section J and K. The table below provides a list of data files, containing the imputed and constructed variables corresponding to 2015, which are available to the user in the study website in the [Imputed/Harmonized Data](#) section.

Section	Section Name	Record unit	No. of variables	No. of observations
Section D – imp	Health Care Services	Individual	21	14,763
Section F – imp	Parents and Help to Parents	Individual	6	14,763
Section G – imp	Help and Children	Individual/Couple	44	9,399
Section J – imp	Housing	Individual/Couple	20	9,921
Section K – imp	Pension, Income and Assets	Individual/Couple	212	9,921
Section SD - imp	Next of kin	Individual	12	1,209
INCOME	Total Individual Income	Individual	12	14,745
ASSETS	Total Net Worth	Individual/Couple	11	9,921

¹ **IVEware (Imputation and Variance Estimation Software) software and documentation is available at <http://www.isr.umich.edu/src/smp/ive/>.**

Introduction

The 2001 baseline survey of the Mexican Health and Aging Study (MHAS/ENASEM) is a national representative survey of individuals born prior to 1951, referred as the population aged 50 or older as of the year 2001. The baseline survey was conducted in the summer of 2001, and a follow-up visit to the same individuals was carried out in the summer of 2003. In the fall of 2012 a new wave was completed with a follow-up to the individuals interview in 2001 and/or 2003 and a new interview to a refresher sample of those born between 1952 and 1962. A follow-up visit was completed in the fall of 2015. The sample for the MHAS baseline was selected from residents of both rural and urban areas, from the National Employment Survey (Encuesta Nacional de Empleo, ENE), carried out by the Mexican Statistical Bureau (Instituto Nacional de Estadística, Geografía e Informática, INEGI) in Mexico. The ENE survey covered both urban and rural areas and has sample in all 32 states of Mexico. For 2015, all age-eligible individuals were targeted for a follow-up visit.

The MHAS/ENASEM 2015 included three types of questionnaires according to the type of interview: a) direct, b) proxy, or c) next-of-kin. Respondents were also classified by their status in the study: a) follow-up, for those who completed an interview in 2001, 2003 and/or 2012, or b) new sample, for those who were interviewed in 2015 for the first time, either because they were new spouses of a respondent, regardless of age or because they were not interviewed in the previous wave for another reason such as temporarily absent or not available².

A household code was created to capture changes in the situation of the individual or couple interviewed to reflect modifications by 2015 in the couple-composition of the target individual, and the spouse/partner if applicable. This is referred to as “updated household,” and the codes reflect the type of change experienced, including divorce/separation, death, or new spouse. In the case of split couples as mentioned above, an interview was sought with both respondents in their respective households and their new spouses if applicable. The updated-household codes also capture whether the household contains the *sampled* respondent, or the *spouse* of the

² Wong R, Michaels-Obregon A, Palloni A. [Cohort Profile: The Mexican Health and Aging Study \(MHAS\)](#). Int J Epidemiol. 2017 Apr 1;46(2):e2. doi: 10.1093/ije/dyu263. PMID: 25626437; PMCID: PMC Journal – In Process.

selected person. Thus in 2015, the unique household identifier CUNICAH is supplemented with SUBHOG_15 to form the unique household identifier.³

The MHAS instrument was designed with a common strategy, using bracket questions, to reduce non-response on questions that involved a monetary amount. This report describes the patterns of non-response obtained in MHAS 2015 for the economic variables, with emphasis on the questions used to calculate total income and net worth of an individual or couple. We first present a summary of the economic variables that were asked in MHAS, followed by a description of the response rates obtained, the imputation methodology used, and a comparison of the distribution of the original variables (with missing values) and the imputed variables.

Economic Variables in MHAS

The questions used to measure income and assets were asked in MHAS within three sections of the questionnaire: Family Help (section G), Housing (section J), and Income & Assets (section K). In addition, questions on health care expenditures by the individuals and on economic help to parents were included in section D and SD and section F, respectively. The survey instrument was designed to ask the help from children, housing, and financial sections only from *one* of the two respondents in couple-households, usually the first interviewed, although the individuals were offered the choice about who could best provide answers to the economic sections. The chosen financial respondent provided information on each of the spouses' labor income, pension income, and other public transfers. For couples, the questions on business income, real estate rents, financial assets income, and private transfers refer to the couple (jointly). For the cases of single-person households, these questions refer only to the individual respondent. For assets, the information was asked about the individual's or couple's net worth of assets in the form of homes, businesses, rental properties, capital, vehicles, other debts, and other assets.

Similar to the previous waves, the 2015 survey included questions with unfolding brackets to recover non-response on the questions about income, assets and other variables that asked for

³ For a more detailed description of the MHAS 2015 Data Files and identification codes please refer to "MHAS 2015 Documentation available at available at <http://www.mhasweb.org/DocumentationQuestionnaire.aspx> or http://www.enasem.org/DocumentationQuestionnaire_Esp.aspx

monetary amounts. This technique has been applied in the U.S. Health and Retirement Survey (HRS) with random entry-point, and the advantages of the strategy to reduce non-response in financial questions has been reported in the literature (Hurd 1998, Hurd 1999). Hurd shows that the point of entry of the bracket questions affects the respondents' answers on income and may bias the distribution of the financial variables, thus a random entry point is recommended. In a paper-and-pencil instrument such as the one used in MHAS in 2001/2003, a random entry point seemed impractical, thus we opted for a mid-point entry. Although the survey was conducted using Computer Assisted Personal Interviewing (CAPI) starting in 2012, we continued this practice in 2012 and 2015. According to the yes/no response to the initial bracket question, the instrument proceeds to ask about a lower or higher amount. See Diagram 1 (p.19) for an example of the unfolding bracket questions. In the example, if the respondent provides no exact amount in K.88, then the series of questions in K.89 are asked. If an amount is given in K.88, then the interview proceeds to ask K.90.

The MHAS 2015 imputed economic variables includes 59 different components of annual flows to measure total income of a person and his/her spouse if applicable (Table 1), 19 different types of assets to calculate total net worth of the individual or couple (Table 2) and 22 other imputed economics variables (Table 3).

Income, Assets Variables, and the Distribution of Non-Response

We summarize first the results for the components of income.

The components of income in 2015 had two changes compared to 2012. First, the total pension income was asked aggregated in 2012, whereas 2015 included the pension income received for up to three separate pensions for each of the retirement, widowhood, and disability or work accident pensions. This is an important point to consider as the sum of the components of pension income in 2015 may result in a higher value than the aggregate for 2012. Second, in 2015 rent generated from the first or second residence was added in Section J. This additional earning may increase value in real estate income captured in Section K. Due to the changes mentioned above, in 2015 59 components were included to determine total income, compared to 42 in 2012.

The first column of Table 1 presents the components of total income and the number of cases that responded each series of questions. The second column decomposes the total number of observations into those that stated that they *receive* the source of income, those that replied that they *do not receive* such source, and those *who refused or don't know* the answer. Column 3 of the table decomposes those who receive the source of income into: those that give an exact value for the amount, those that provide an answer through brackets, and those that refuse/don't know the amount.

Among the components of income, from Column 2 it is evident that a relatively small proportion of respondents report receiving income from each type considered. The source of income with more than 20% of cases stating that they receive it is: family help_1 (39%) and family help_2⁴ (21%). The column of “No-Response/Don't Know” (RF/DK) shows low prevalence, less than 1%. From the results in Column 3 about those that report receiving each source of income, we obtain high exact-amount response (7 to 99% of cases for the most important components), and relatively good recovery through the bracket questions as well (an additional 2 to 13% of cases for the most relevant components of income). The prevalence of (Refuse/Don't know) the amount, conditional on receiving income, exhibits low prevalence. For the main sources of income mentioned above, we obtain non-response rates as follows: own labor_1 (2%), spouse's labor_1 (6%), business profits_1 (7%), family help_1 (2%) and family help_2 (2%). These results reveal that non-response is low for the components of total income considered by the survey⁵. The overall distribution of non-response indicates that imputing the missing values can be a good strategy, since there are a relatively large number of cases that can be used in the imputation equations to assign a missing value for a relatively small number of cases.

Table 2 presents the distribution of responses for the components of total net worth considered in the study. Most respondents report that they have assets in the form of their home (77%). In addition to this type, relatively few cases report ownership of assets. Business (17%), vehicles (29%) and Other Assets (77%) were the next most-prevalent types reported by respondents. The

⁴ Family help_1 and family help_2 are the economic help received from Child 1 and Child 2 respectively.

⁵ We find relatively high non-response rates only in cases in which the absolute number of observations is small. For example, Capital-assets-income-1 shows 19% of missing values conditional on receiving income, but this represent a total of 37 cases out of 194.

non-response to the question about ownership (% RF & DK) shows low-prevalence (less than 2%), with one exception.

Conditional on reporting ownership of the asset, we find low rates of non-response on the value. If we focus on the most commonly owned type of asset, the home, Column 3 shows that 62% provided an exact amount for their home value and for the debt on the home. Another 22% of the cases provided the value through the use of brackets, and 16% provided no value. Thus, the combined non-response (DK whether own or not, and missing value of the asset) is around 17% for the respondent's home.

We conclude also from Table 2 that the number of cases that provided bracket information is small compared to those that provided an exact amount, in Column 3.

The Impact of the Unfolding Brackets to Reduce Non-Response

As indicated by the numbers provided in Tables 1 and 2, only a small proportion of the respondents receive or own most of the income sources or types of assets that were asked about in the survey. The results in Table 1 indicate, for example, that among those who report business profits (in business profit-1), the initial non-response was 15%, but more than half of these cases were recovered through the use of brackets (9% of the 15%). According to the results presented in Table 2, among those who own a home, the initial non-response on the value was 38%, but in more than half of these cases (22% of those who own a home) the value response was recovered through the use of follow-up brackets. Significant recovery of non-response was obtained also for the gross value of business, gross value of vehicles, and net value of other assets (see Column 3 of Table 2).

In conclusion, the impact of the use of brackets as a strategy to minimize non-response seems to be advantageous in general, but particularly beneficial for the variables measuring the total net worth of the individuals/couples in MHAS.

Imputation Methodology

The bracketed unfolding techniques to reduce item non-response were used extensively in the collection of amount data in MHAS, including not only economic quantity variables such as income and assets but also amount of help hours, health care expenditures, household rent and household consumption. Individuals unable or unwilling to provide an exact amount in their response to such questions were asked a series of unfolding bracket questions.

The non-response on amounts -- either complete non-response or when information was provided by the bracket questions -- was imputed in order to calculate income and assets by major categories, and to provide total income and total net worth estimates.

We used a multiple imputation technique (Diagram 2, p. 18), involving the method of sequence of regressions with a SAS-based software routine (IVEware), developed by researchers at the Survey Methodology Program, Survey Research Center, Institute for Social Research at the University of Michigan (Raghunathan et al. 2000; Raghunathan 2001). The method was selected because it offers several appealing characteristics for the MHAS data:

- 1) Allows for imputation of zero as a possible value for amounts. This is an important characteristic of the methodology, since we have a large proportion of cases with no-income or no-assets in most of the categories asked, and thus the value of zero needs to be one of the value options for imputations.
- 2) Takes into account other variables being imputed as regressors in the imputation of a particular variable. This is appealing since we have multiple variables that need to be imputed in order to derive a summary variable, e.g. total income.
- 3) Takes advantage of the brackets used to recover the non-response. This is a valuable attribute of the methodology, since there were an appreciable number of cases that although provided non-response initially, opted for a bracket response upon further query.

4) Allows for transformations to the imputed variable, which is particularly important for variables with skewed distributions, such as those for income and assets⁶.

For a more detailed description of the imputation methodology implemented in the IVEware software refer to the imputation method description in Raghunathan (2001) and Honggao (2001).

The methodology we are using for 2015 imputation is similar to that used for non-response imputation in the previous MHAS waves. For a more detailed description of the imputation methodology, the reader of this document can refer to the companion MHAS project documents: [“Imputation of Non-Response on Economic Variables in the Mexican Health and Aging Study 2001”](#), [“Imputation of Non-Response on Economic Variables in the Mexican Health and Aging Study 2003”](#), and [“Imputation of Non-Response on Economic Variables in the Mexican Health and Aging Study \(MHAS/ENASEM\) 2012”](#). In addition, flow charts that illustrate the procedures for the construction of the imputed variable are available in Appendix B of this document. The IVEware program codes used in the imputation procedure are included in Appendix C.

We imputed separately the missing values for the sampled respondent’s items, the spouse’s, and the variables that were asked in the next of kin, core and proxy questionnaires. Transformations were made in all cases to express all sources of income in monthly terms. We grouped variables to be imputed together according to the list provided in Tables 4.1 to 4.8 (See p. 25-27). This means that the variables that are grouped together are used in the imputation program for each of the variables in the group. The table presents the groupings of the variables as well as the names of the derived, imputed and flag variables as they appear in the MHAS/ENASEM 2015 imputed data files. The column “Question number” refers to the question numbers as they appear in the questionnaire. The “Derived” variables refer to the amount of expenditure, income or value of an asset as it was derived from the answers to the corresponding questions on the survey, and these may contain missing values. The “Imputed” variables contain these values

⁶ For our purposes, we made no transformations to the variables, and used a linear regression. This is because the procedure imputes first if (yes/no) receives income or owns the item, and then proceeds to impute a value, using as limits the values provided by the brackets. Thus, we considered that to impute the non-zero part of the distribution and within the limits established by the brackets, the linear function would be adequate.

plus imputed values, that is, these contain no missing values. Finally, the “Flag” variable is a dummy that indicates for each case if the variable was imputed or not.

Comparison of Variables With- and Without-Imputed Values

Tables 5 (See pp. 28-31) contain the distribution of the derived and imputed variables, for a select group of survey items. The tables show that the imputed values tend to shift the distributions to the right, as compared to the derived variables containing missing values. This shift is partly because most non-response occurred among the cases that declared that the individual receives income from such source. Even among the cases that are greater than zero though, the imputation seems to be shifting the distribution rightwards. That is, most missing values are imputed a value towards the high end of the distribution. For example, in Table 5.2 for the variable of spouse’s earned income, the derived variable contained 85.5% of the cases with 0, whereas the imputed variable contains 83.2% of cases with value 0. Among those with earned income greater than zero, the derived variable contained 45.5% of the cases in the range of values 1 to 4,000 pesos, whereas the imputed variable contains 41.6% of the cases in such range. In the upper range, the derived variable contains 20.0% of cases with values >9,000 pesos, whereas the imputed variable contains 25.2% of the cases in such range.

Table 5.8 presents the distribution for the variable gross value of the home. The derived variable contains a higher percentage of zero value compared to the imputed variable (31.2% versus 22.2%). In the derived variable, conditional on having a value >0, 13.6% of the cases were in the range >1,000,000 pesos. This is compared to 28.1% of the cases in the imputed variable.

The descriptive statistics for all the variables that were imputed are presented in Appendix A. The description includes the number of cases, mean, standard deviation, minimum and maximum values, including and excluding the observations with value zero, for each derived variable, followed by the corresponding imputed variable.

Construction of the Variables for Total Income at the Individual Level and Net Worth at the Household Level

The MHAS 2015 imputed data files contain all the variables on amounts that were derived (with missing values) and the corresponding imputed variables (containing no missing values) for

each observation. In the files, we also include a calculated value of total income and value of total net worth at the individual and household level, respectively, after adding all the items needed to obtain these variables. For the case of total net worth of the individual (or couple), we constructed and added the variables of the net value for each type of the following assets: houses, business, other properties, capital assets, vehicles and other assets, and subtract other debts. Table 6.1 includes the list of imputed variables as well as the variables used to calculate each variable by type of assets and the total net worth variable. The table also includes the name of each asset and indicates whether each variable was added or subtracted for these calculations.

To calculate total income, we constructed and added the variables by income sources: family help, business, property rent, earned, pension and transfer income. Table 6.2 shows the list of imputed variables and the variables used to calculate each income variable by source and the total income variable; all variables were added for these calculations, except for “Property rent income” which adds income and subtracts expenditures. Unlike 2001, in 2003, 2012 and 2015 the reported “business profits” is used instead of deriving the variable using “business income” minus “business expenditures”. Different from 2001, in the following waves “transfer income” was included to the calculation because the variable “own and spouse’s transfer income from properties” was added after the 2001 Wave. Also, in 2015 pensions income were disaggregated in up to three different pensions and an item was added to real estate income, as mentioned above (see Page 6).

Furthermore, since income was calculated at the individual level, in the case of individuals who have no spouse or partner residing in the same household, we simply added all the income variables that represent in-flows and subtract those measuring out-flows to calculate income by sources and total income. However, in the case of couples, the variables for income received different treatment. When a particular income source was asked referring to the two members of a couple, such as the business profits, the value amount was divided by two and assigned to each member of the couple. The variables that received such treatment are listed as “joint” in Tables 6.1 and 6.2. (See pp. 32-33). To determine whether an income source that was “joint” was to be divided by two or by one, we constructed the variable NUMBER_15 (also included in the data files). This variable takes the value 1 if there is no information on the spouse-income variables, i.e. all information refers to one person; and takes the value 2 if there was information on the spouse-income variables in Section K.

The survey instrument was designed so that the information on income and assets is asked only of one of two persons in a couple. Thus, in order to assign the corresponding “individual” income to each of two persons in a couple household, such as earned income, we also had to determine whom the questions on own-income and on spouse’s income refer to⁷. This means that data files at the household level (Sections G and K) were merged with records at the individual level to construct all income variables. In the file at the individual level, we include the constructed variable CLAVE_15 to indicate who the information on own income refers to, when there is a couple in the household (that is, the cases for which NUMBER_15=2). To construct the variable CLAVE_15, we used the interviewer report included in K.96a, a variable that indicates the code of the person that provided the information in Section K. In most of the cases, the variable takes the value of the identification variable Person Number (NP), since it is either the selected person or the spouse providing the information. However, the variable can also be the registration number of the informant from the roster. The following are the three different criteria we used to define CLAVE_15.

First, if the value of K.96a_15 was equal to the variable NP (Person Number), then the informant is identified as the subject. Hence we determined the values of the income variables as OWN and recorded CLAVE_15=1.

Second, if the value of K96a_15 was different than NP, but it is a code for a sample individual (e.g. 010, 020, 011, 012, 013, 021, 022, 023⁸), we determined that the income variable referred to the SPOUSE’S variables. Then, we assigned CLAVE_15=2.

Third, if the value of K96a_15 was a registration number from a roster, that is, a number equal or greater to 103 (that indicates other household members) or a number equal or greater than 201 (that indicates a non-resident child), we assigned the OWN income variables to the person who provided the first interview in the household, and the SPOUSE’S income variables to the person who provided the second interview. Thus, the constructed variable CLAVE_15 takes the following values:

⁷ Own-income questions are for example, K47a, K48a, K50a and K51a. The corresponding spouse’s income questions are K53a, K54a, K56a and K57a. See Table 1 for a full list of the variables.

⁸ For more details see “MHAS 2012 Data Files Description, Version 1, September 2013” available at http://mhasweb.org/Resources/DOCUMENTS/2012/Data_Files_Description_2012.pdf.

CLAVE_15=1 If the record was identified as OWN, and is assigned the values of OWN income for individual variables.

CLAVE_15=2 If the record was identified as SPOUSE'S, and is assigned the values of SPOUSE'S income for individual variables.⁹

The MHAS 2015 files contain the income variables at the individual level, and net worth at the individual/couple level constructed as mentioned above. MHAS users can easily obtain the total income of *a couple* by adding the corresponding totals for the two individuals in the couple.

Tables 7.1 and 7.2 (See p.35) present the distribution of the total individual income and total (individual or couple) net worth variables as they are obtained with- and without- imputation of missing values. The distributions are presented in absolute numbers and in percentage terms. The relative numbers present the proportion of cases that are ≤ 0 ; and among the cases that are > 0 , the percentage of cases in each range of values. The tables indicate first, that the gain in available information through the use of imputation is substantial. According to Table 7.1, the number of cases for which a total income can be obtained without imputation is 12,758, compared to a total of 14,157 individuals when we use imputations¹⁰. For the case of household (individual or couple) total net worth, the number of cases is 5,403 without imputed values and 9,921 with imputed values. It is evident that the imputation process retrieves economic information for a significant number of records, and therefore research addressing these topics will have a smaller number of missing data. Furthermore, two indicators reflecting the socioeconomic status of the population were created (total individual income and total net worth).

Second, the tables show that the distribution of both total income and total net worth is shifted towards the right with the imputed values. As was mentioned before, this is because prior to imputing, the cases with zero value represent a higher share of the total cases compared to their numerical relative importance after imputing. Another way of explaining this pattern is: a large proportion of the cases that have missing values and thus are imputed, fall in the values that are imputed to be > 0 . This is consistent with our initial results (see Tables 1 and 2), in which the

⁹ For more details on the construction of CLAVE_15 see Diagram 3.

¹⁰ The number of cases for total income using imputation is 14,157. However, the income file has 14,763 records. The difference is because "Family help income" for proxy respondents was not asked. But we decided to include records with other sources of income.

vast majority of the non-response is found among those that declare that they receive a given source of income or own a certain type of asset but provided no value or amount (that is, the value is known to be positive but missing). For the total individual income, 20% of the cases have value=0 without imputation, compared to 19% after imputation. Around 20% of the observations with values>0 are found in the highest range (>7,500 pesos) without imputation, compared to 21% with imputations. Similarly, for total net worth, 12% of the cases have value <=0 without imputations, compared to 8% of cases with imputations. Of those with positive value for net worth, 20% report a value in the highest range (>1,014,000 or more pesos) prior to imputing, compared to 35% of the cases after imputations.

Finally, in Table 8.1. and 8.2. (See p. 36) we present the average value of total income (monthly pesos) and distribution of income sources by gender, age and urban/rural. We also present the average of total net worth and distribution across type of assets by number of informant in household (One person or couple).

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List of Diagrams, Tables and Appendices

Diagram 1. Example of Bracket Questions used in MHAS.....	19
Diagram 2. Procedure for Construction of an Imputed Variable	20
Diagram 3. Procedure for Construction of CLAVE_15 Variable	21
Table 1. Total Income Components. Distribution of Responses by Type.	23
Table 2. Total Net Worth Components. Distribution of Responses by Type.	24
Table 3. Other imputed variables. Distribution of Responses by Type.	24
Tables 4. Groups of Variables and Names used in the Imputation Procedure.	25
Tables 5. Distribution of Select Derived and Imputed Variables by Range of Amount.	28
Tables 6. Variables Used in the Calculation of Total Net Worth and Total Income.....	32
Tables 7. Distribution of Total Income and Total Net Worth using Derived and Imputed Variables.	35
Tables 8. Mean Total Income at the Individual Level and Total Net Worth al the Household Level, and Distribution across Income Sources and Type of Assets by Key Characteristics.....	36
Appendix A. Descriptive Statistics of Derived (Un-imputed) and Imputed Variables.	37
Appendix B. Diagrams of Procedure for Construction of the Imputed Variables.	50
Appendix C. IVEWare Programs Used for Imputation.	126

Diagrams

DIAGRAM 1

Example of Bracket Questions used in MHAS 2015

HOUSEHOLD CONSUMPTION	
K.88	<p>In total, about how much do you spend in a month for household expenditures? Exclude the value of what you produce for home consumption.</p> <p style="text-align: center;">ENTER AMOUNT</p> <p>AMOUNT..... </p> <p style="text-align: center;">IF AMOUNT ENTERED, SKIP TO K.90</p> <p>RF..... 8888888] → Go to K.89</p> <p>DK..... 9999999]</p>
K.89	<p>Would you say it is ...</p> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <p>K.89a ...more than \$6,000 pesos per month?</p> <p>Yes..... 1 → Skip to K.89c</p> <p>No..... 2 → Go to K.89b</p> <p>DK..... 9 → Skip to K.90</p> </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <p>K.89b ...more than \$3,000 pesos per month?</p> <p>Yes..... 1]</p> <p>No..... 2] → Skip to K.90</p> <p>DK..... 9]</p> </div> <p>K.89c ...more than \$10,000 pesos per month?</p> <p>Yes..... 1</p> <p>No..... 2</p> <p>DK..... 9</p>

DIAGRAM 2

Procedure for Construction of an Imputed Variable

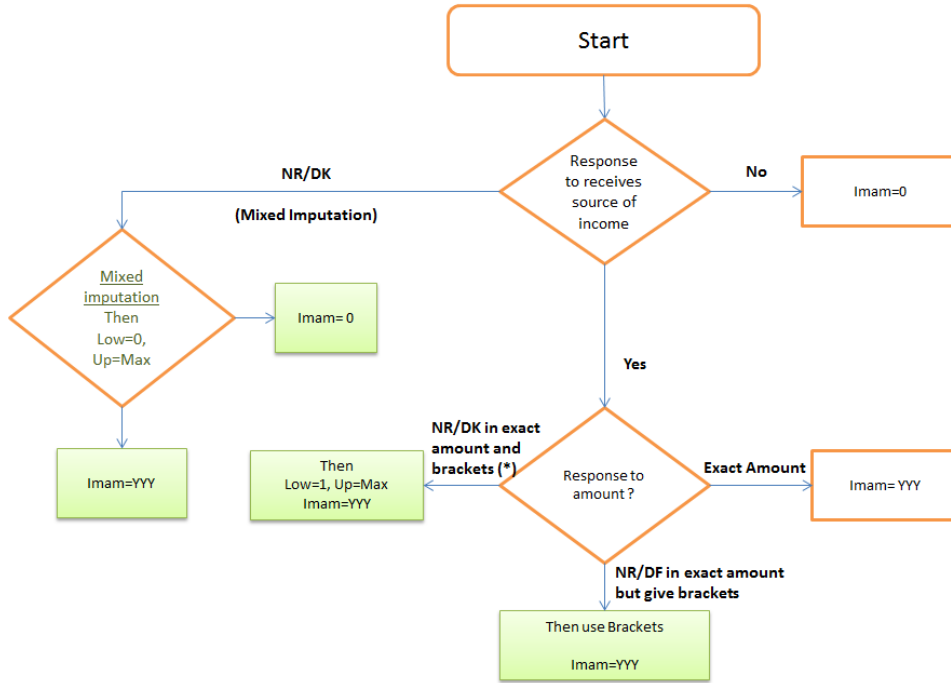
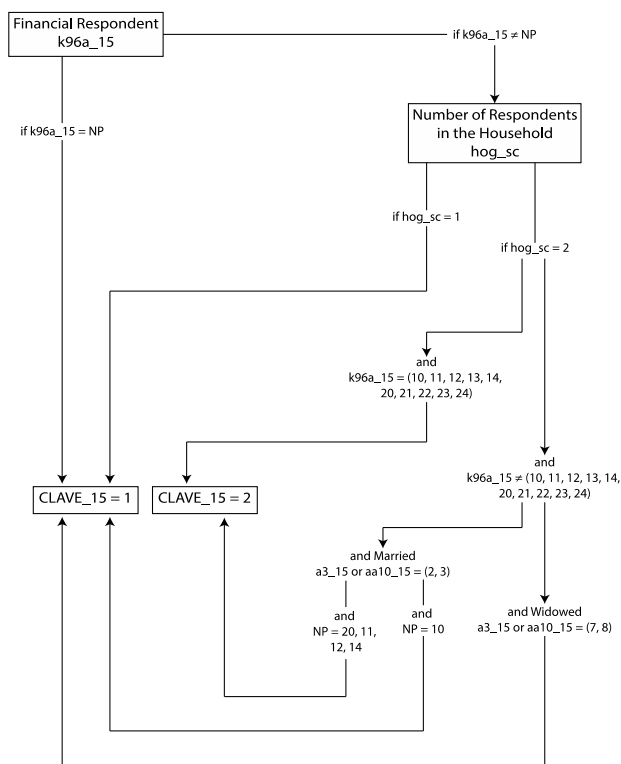


DIAGRAM 3

Procedure for Construction of CLAVE_15 variable



STATA CODE TO CONSTRUCT CLAVE_15

```

* First Merge Section A and Section K 2015
gen clave_15=.
*** Subject is the same individual reporting financial information
replace clave_15 =1 if np==k96a_15
*** Only one individual/respondent in the household
replace clave_15 =1 if hog_sc==1
*** Assigned CLAVE_15=2 if the respondent in k96a_15 had a person ID for a
spouse and two respondents in the household
replace clave_15 =2 if np!=k96a_15 &
inlist(k96a_15,10,11,12,13,14,20,21,22,23,24) & hog_sc==2
*** Married or in union and two respondents in the household- Assigned
CLAVE_15=1 to selected person np=10
replace clave_15 =1 if hog_sc==2 & clave_15==. & (inlist(a3_15,2,3) |
inlist(aa10_15,2,3)) & np==10
replace clave_15 =2 if hog_sc==2 & clave_15==. & (inlist(a3_15,2,3) |
inlist(aa10_15,2,3)) & inlist(np,20,11,12,14)
*** Widowed (from civil union or marriage) - 2 subjects in the household
but only one alive
replace clave_15 =1 if hog_sc==2 & clave_15==. & (inlist(a3_15,7,8) |
inlist(aa10_15,7,8))
  
```

Tables

Table 1. MHAS/ENASEM 2015

Total (Individual or Couple) Income components: Distribution of responses by type

	(1) Individual (or Couple) Source of Income (*)	Total n	(2) Receives Income			(3) If (yes) Receives Income			
			% Yes	% No	% NR/DK	n	% Actual Value	% Bracketed Value	% Missing
1	Family help income_1 (G19_1)	9,399	39.0	60.9	0.1	3,663	95.9	2.0	2.1
2	Family help income_2 (G19_2)	9,399	21.1	78.9	0.0	1,984	95.8	2.2	2.0
3	Family help income_3 (G19_3)	9,399	9.9	90.1	0.0	935	94.5	2.2	3.2
4	Family help income_4 (G19_4)	9,399	4.5	95.5	0.0	419	90.7	3.8	5.5
5	Family help income_5 (G19_5)	9,399	2.2	97.8	0.0	206	91.3	2.4	6.3
6	Family help income_6 (G19_6)	9,399	1.1	98.9	0.0	104	91.3	1.9	6.7
7	Family help income_7 (G19_7)	9,399	0.7	99.3	0.0	69	94.2	0.0	5.8
8	Business income-1 (K11_1)	9,921	11.6	87.9	0.4	1,154	85.2	11.4	3.4
9	Business income-2 (K11_2)	9,921	0.6	99.4	0.0	59	86.4	11.9	1.7
10	Business expenditures-1 (K13_1)	9,921	14.0	85.7	0.3	1,385	85.3	8.4	6.2
11	Business expenditures-2 (K13_2)	9,921	0.7	99.3	0.0	68	89.7	8.8	1.5
12	Business profits-1 (K15_1)	9,921	12.3	87.4	0.3	1,223	84.7	8.7	6.6
13	Business profits-2 (K15_2)	9,921	0.6	99.4	0.0	57	86.0	10.5	3.5
14	Rent from residence (J36b)	9,921	2.5	97.2	0.3	245	93.9	3.3	2.9
15	Property rent income-1 (K27_1)	9,921	1.8	97.8	0.4	177	91.5	7.3	1.1
16	Property rent income-2 (K27_2)	9,921	0.2	99.8	0.0	17	88.2	5.9	5.9
17	Property expenditures-1 (K29_1)	9,921	2.5	97.1	0.4	247	81.0	11.7	7.3
18	Property expenditures-2 (K29_2)	9,921	0.2	99.8	0.0	18	66.7	22.2	11.1
19	Capital assets income-1 (K36_1)	9,921	2.0	97.3	0.7	194	58.8	22.2	19.1
20	Capital assets income-2 (K36_2)	9,921	0.1	99.5	0.4	9	88.9	11.1	0.0
21	Capital assets income-3 (K36_3)	9,921	0.1	99.5	0.4	11	54.5	18.2	27.3
22	Own earned income-1 (K47a)	9,921	12.0	88.0	0.0	1,191	95.9	2.4	1.7
23	Own earned income-2 (K48a)	9,921	9.0	90.9	0.0	897	92.0	5.8	2.2
24	Own earned income-3 (K50a)	9,921	0.4	99.6	0.0	37	97.3	2.7	0.0
25	Own earned income-4 (K51a)	9,921	0.1	99.9	0.0	13	76.9	15.4	7.7
26	Spouse's earned income-1 (K53a)	5,519	16.8	83.0	0.2	927	84.1	9.6	6.3
27	Spouse's earned income-2 (K54a)	5,519	10.4	89.0	0.6	575	75.5	12.9	11.7
28	Spouse's earned income-3 (K56a)	5,519	0.5	99.5	0.0	26	76.9	11.5	11.5
29	Spouse's earned income-4 (K57a)	5,519	0.2	99.8	0.0	9	66.7	11.1	22.2
30	Own Pension income - retirement-1 (K61a1)	9,921	21.2	78.5	0.3	2,108	94.3	3.6	2.2
31	Own Pension income - retirement-2 (K61a2)	9,921	0.7	99.3	0.0	69	87.0	2.9	10.1
32	Own Pension income - retirement-3 (K61a3)	9,921	0.0	100.0	0.0	2	50.0	0.0	50.0
33	Own pension income - widow-1 (K61b1)	9,921	7.8	91.9	0.3	768	95.7	3.0	1.3
34	Own pension income - widow-2 (K61b2)	9,921	0.1	99.9	0.0	11	81.8	0.0	18.2
35	Own pension income - widow-3 (K61b3)	9,921	0.0	100.0	0.0	0	0.0	0.0	0.0
36	Own pension income - disability-1 (K61c1)	9,921	0.7	99.0	0.3	66	97.0	3.0	0.0
37	Own pension income - disability-2 (K61c2)	9,921	0.0	100.0	0.0	0	0.0	0.0	0.0
38	Own pension income - disability-3 (K61c3)	9,921	0.0	100.0	0.0	0	0.0	0.0	0.0
39	Own other pension income-1 (K61d1)	9,921	8.6	91.0	0.3	858	99.9	0.0	0.1
40	Own other pension income-2 (K61d2)	9,921	0.1	99.9	0.0	5	100.0	0.0	0.0
41	Own other pension income-3 (K61d3)	9,921	0.0	100.0	0.0	0	0.0	0.0	0.0
42	Spouse's pension income - retirement-1 (K67c1)	5,519	18.5	80.9	0.6	1,020	88.9	5.8	5.3
43	Spouse's pension income - retirement-2 (K67c2)	5,519	0.2	99.8	0.0	13	76.9	0.0	23.1
44	Spouse's pension income - retirement-3 (K67c3)	5,519	0.0	100.0	0.0	0	0.0	0.0	0.0
45	Spouse's pension income - widow-1 (K67d1)	5,519	0.2	99.2	0.6	11	90.9	0.0	9.1
46	Spouse's pension income - widow-2 (K67d2)	5,519	0.0	100.0	0.0	0	0.0	0.0	0.0
47	Spouse's pension income - widow-3 (K67d3)	5,519	0.0	100.0	0.0	0	0.0	0.0	0.0
48	Spouse's pension income - disability-1 (K67e1)	5,519	0.7	98.6	0.7	39	89.7	5.1	5.1
49	Spouse's pension income - disability-2 (K67e2)	5,519	0.0	100.0	0.0	0	0.0	0.0	0.0
50	Spouse's pension income - disability-3 (K67e3)	5,519	0.0	100.0	0.0	0	0.0	0.0	0.0
51	Spouse's other pension income-1 (K67f1)	5,519	5.6	93.8	0.6	308	99.4	0.0	0.6
52	Spouse's other pension income-2 (K67f2)	5,519	0.1	99.9	0.0	4	50.0	0.0	50.0
53	Spouse's other pension income-3 (K67f3)	5,519	0.0	100.0	0.0	0	0.0	0.0	0.0
54	Own transfer income from institutions (K80a)	9,921	25.2	74.5	0.3	2,501	98.1	0.0	1.9
55	Own transfer income from individuals (K80b)	9,921	0.4	99.3	0.3	38	100.0	0.0	0.0
56	Own transfer income from properties (K80c)	9,921	0.7	99.1	0.3	67	92.5	0.0	7.5
57	Spouse's transfer income from institutions (K83c)	5,519	17.0	82.4	0.7	936	97.4	0.0	2.6
58	Spouse's transfer income from individuals (K83d)	5,519	0.0	99.3	0.7	1	0.0	0.0	100.0
59	Spouse's transfer income from properties (K83e)	5,519	0.3	99.0	0.7	18	88.9	0.0	11.1

(*) Numbers in parentheses are the corresponding question numbers in the MHAS/ENASEM 2015 questionnaire.

Table 2. MHAS/ENASEM 2015

Total (Individual or Couple) Net Worth Components -- Distribution of Responses by Type

(1) Individual (or Couple) Type of Asset (*)	Total n	(2) Owns Type of Asset			(3) If (yes) Owns Asset, Response to Value			
		% Yes	% No	% NR/DK	n	% Actual Value	% Bracketed Value	% Missing
1 Gross value houses/apartments (J31)	9,921	76.7	21.8	1.5	7,613	62.5	21.9	15.6
2 Total debt houses/apartments (J28)	9,921	3.2	96.8	0.0	318	69.5	17.3	13.2
3 Total debt mortgages/loans (J26)	9,921	3.2	96.8	0.0	318	86.8	7.9	5.3
4 Net value other houses/apartments (J34)	9,921	9.6	89.9	0.5	957	71.8	16.7	11.5
5 Gross value business_1 (K8_1)	9,921	16.7	83.0	0.3	1,653	65.6	24.3	10.1
6 Gross value business_2 (K8_2)	9,921	0.8	99.2	0.0	81	76.5	17.3	6.2
7 Total debt business_1 (K4_1)	9,921	1.1	98.5	0.4	109	91.7	4.6	3.7
8 Total debt business_1 (K4_2)	9,921	0.1	99.9	0.0	5	100.0	0.0	0.0
9 Gross value other real estate properties (K24_1)	9,921	6.1	93.5	0.4	607	74.3	14.8	10.9
10 Gross value other real estate properties (K24_2)	9,921	0.4	99.6	0.0	43	62.8	16.3	20.9
11 Total debt other real estate properties_1 (K20_1)	9,921	0.2	99.4	0.4	22	90.9	4.5	4.5
12 Total debt other real estate properties_2 (K20_2)	9,921	0.0	100.0	0.0	1	100.0	0.0	0.0
13 Net value capital assets_1 (K33a)	9,921	6.4	93.1	0.5	635	70.6	17.2	12.3
14 Net value capital assets_2 (K33b)	9,921	0.7	98.9	0.4	68	89.7	7.4	2.9
15 Net value capital assets_3 (K33c)	9,921	0.2	99.4	0.4	22	36.4	50.0	13.6
16 Gross value vehicles (K42)	9,921	28.5	71.2	0.3	2,829	86.4	6.9	6.7
17 Total debt vehicles (K40)	9,921	2.1	97.5	0.3	213	87.3	7.5	5.2
18 Net value other assets (K44)	9,921	77.0	23.0	0.0	7,638	69.5	20.1	10.4
19 Other debts (K86)	9,921	13.5	86.1	0.4	1,337	94.9	3.2	1.9

(*) Numbers in parentheses are the corresponding question numbers in the MHAS/ENASEM 2015 questionnaire.

Table 3. MHAS/ENASEM 2015

Other imputed variables (Individual or Couple) -- Distribution of Responses by Type

(1) Individual (or Couple) type of income, expenditures and costs (*)	Total n	(2) Owns Type of Asset			(3) If (yes) Owns Asset, Response to Value			
		% Yes	% No	% NR/DK	n	% Actual Value	% Bracketed Value	% Missing
1 Total hospitalization cost (D6)	14,763	4.0	96.0	0.1	586	84.3	10.4	5.3
2 Total curandero/ homeopath costs D9_1	14,763	6.3	93.7	0.0	923	97.2	1.8	1.0
3 Total dentist costs D9_2	14,763	25.9	74.1	0.0	3,818	96.7	2.3	1.0
4 Total outpatient procedure costs D9_3	14,763	1.8	98.2	0.0	267	96.6	2.2	1.1
5 Total medical visits costs D9_4	14,763	27.2	72.8	0.0	4,010	96.8	2.1	1.1
6 Medications costs (D12a)	14,763	45.1	54.9	0.0	6,655	96.4	2.6	1.0
7 Total hospitalization costs - Next of kin (SD5)	1,209	19.3	80.1	0.6	233	82.4	12.0	5.6
8 Medical visits pay in-kind - Next of kin (SD8)	1,209	41.5	58.5	0.0	502	86.5	9.8	3.8
9 Medications costs - Next of kin (SD10a)	1,209	58.7	41.3	0.0	710	87.9	9.3	2.8
10 Economic Help to Parents (F41)	14,763	12.3	87.7	0.0	1,819	90.2	7.6	2.2
11 Family help given_1 (G8b_1)	9,399	22.9	77.0	0.1	2,149	93.7	4.2	2.1
12 Family help given_1 (G8b_2)	9,399	9.8	90.2	0.0	924	92.9	4.3	2.8
13 Family help given_1 (G8b_3)	9,399	3.3	96.7	0.0	311	89.4	7.1	3.5
14 Family help given_1 (G8b_4)	9,399	1.0	99.0	0.0	93	82.8	9.7	7.5
15 Family help given_1 (G8b_5)	9,399	0.4	99.6	0.0	34	79.4	11.8	8.8
16 Family help given_1 (G8b_6)	9,399	0.2	99.8	0.0	15	60.0	20.0	20.0
17 Family help given_1 (G8b_7)	9,399	0.1	99.9	0.0	11	72.7	9.1	18.2
18 Monthly rent houses/apartments (J20)	9,921	4.2	95.8	0.0	412	99.0	0.2	0.7
19 Consumo (K88)	9,921	100.0	0.0	0.0	9,921	93.5	4.2	2.3
20 Pensions income before death (K101)	639	5.3	78.2	16.4	34	100.0	0.0	0.0
21 Pensions income after death (K103)	639	19.9	63.7	16.4	127	95.3	2.4	2.4
22 Death expenditures (K111)	639	93.7	6.3	0.0	599	64.4	11.2	24.4

(*) Numbers in parentheses are the corresponding question numbers in the MHAS/ENASEM 2015 questionnaire.

Table 4. Groups of Variables and Names Used in the Imputation Procedure

Table 4.1. GROUP 1. Respondent's Total Income Components (Own or Joint Income)

	Income component	Question number	Derived variable	Imputed variable	If imputed value
1	Family help income_1	G19_1	amg19_1_15	imamg19_1_15	g19_1_imp_15
2	Family help income_2	G19_2	amg19_2_15	imamg19_2_15	g19_2_imp_15
3	Family help income_3	G19_3	amg19_3_15	imamg19_3_15	g19_3_imp_15
4	Family help income_4	G19_4	amg19_4_15	imamg19_4_15	g19_4_imp_15
5	Family help income_5	G19_5	amg19_5_15	imamg19_5_15	g19_5_imp_15
6	Family help income_6	G19_6	amg19_6_15	imamg19_6_15	g19_6_imp_15
7	Family help income_7	G19_7	amg19_7_15	imamg19_7_15	g19_7_imp_15
8	Business income-1	K11_1	amk11_1_15	imamk11_1_15	k11_1_imp_15
9	Business income-2	K11_2	amk11_2_15	imamk11_2_15	k11_2_imp_15
10	Business expenditures-1	K13_1	amk13_1_15	imamk13_1_15	k13_1_imp_15
11	Business expenditures-2	K13_2	amk13_2_15	imamk13_2_15	k13_2_imp_15
12	Business profits-1	K15_1	amk15_1_15	imamk15_1_15	k15_1_imp_15
13	Business profits-2	K15_2	amk15_2_15	imamk15_2_15	k15_2_imp_15
14	Rent from residence	J36b	amj36b_15	imamj36b_15	j36b_imp_15
15	Property rent income-1	K27_1	amk27_1_15	imamk27_1_15	k27_1_imp_15
16	Property rent income-2	K27_2	amk27_2_15	imamk27_2_15	k27_2_imp_15
17	Property expenditures-1	K29_1	amk29_1_15	imamk29_1_15	k29_1_imp_15
18	Property expenditures-2	K29_2	amk29_2_15	imamk29_2_15	k29_2_imp_15
19	Capital assets income-1	K36_1	amk36_1_15	imamk36_1_15	k36_1_imp_15
20	Capital assets income-2	K36_2	amk36_2_15	imamk36_2_15	k36_2_imp_15
21	Capital assets income-3	K36_3	amk36_3_15	imamk36_3_15	k36_3_imp_15
22	Own earned income-1	K47a	amk47a_15	imamk47a_15	k47a_imp_15
23	Own earned income-2	K48a	amk48a_15	imamk48a_15	k48a_imp_15
24	Own earned income-3	K50a	amk50a_15	imamk50a_15	k50a_imp_15
25	Own earned income-4	K51a	amk51a_15	imamk51a_15	k51a_imp_15
26	Own pension income -retirement -1	K61a1	amk61_1_1_15	imamk61_1_1_15	k61_1_1_imp_15
27	Own pension income -retirement -2	K61a2	amk61_1_2_15	imamk61_1_2_15	k61_1_2_imp_15
28	Own pension income -retirement -3	K61a3	amk61_1_3_15	imamk61_1_3_15	k61_1_3_imp_15
29	Own pension income -widow -1	K61b1	amk61_2_1_15	imamk61_2_1_15	k61_2_1_imp_15
30	Own pension income -widow -2	K61b2	amk61_2_2_15	imamk61_2_2_15	k61_2_2_imp_15
31	Own pension income -widow -3	K61b3	amk61_2_3_15	imamk61_2_3_15	k61_2_3_imp_15
32	Own pension income -disability -1	K61c1	amk61_3_1_15	imamk61_3_1_15	k61_3_1_imp_15
33	Own pension income -disability -2	K61c2	amk61_3_2_15	imamk61_3_2_15	k61_3_2_imp_15
34	Own pension income -disability -3	K61c3	amk61_3_3_15	imamk61_3_3_15	k61_3_3_imp_15
35	Own other pension income -1	K61d1	amk61_4_1_15	imamk61_4_1_15	k61_4_1_imp_15
36	Own other pension income -2	K61d2	amk61_4_2_15	imamk61_4_2_15	k61_4_2_imp_15
37	Own other pension income -3	K61d3	amk61_4_3_15	imamk61_4_3_15	k61_4_3_imp_15
38	Own transfer income from institutions	K80a	amk80_1_15	imamk80_1_15	k80_1_imp_15
39	Own transfer income from individuals	K80b	amk80_2_15	imamk80_2_15	k80_2_imp_15
40	Own transfer income from properties	K80c	amk80_3_15	imamk80_3_15	k80_3_imp_15

Note: In the following cases the Question Number (from the questionnaire) and the corresponding variable name in the data files are different: K61a1, K61b1, K61c1, K61d1, K80a, K80b, and K80c. For example: Question Number in the questionnaires is K61a1, however in the data file the variable name is k61_1_1_15.

Table 4.2. GROUP 2. Spouse's Total Income Components

	Income component	Question number	Derived variable	Imputed variable	Flag variable
1	Spouse's earned income-1	K53a	amk53a_15	imamk53a_15	k53a_imp_15
2	Spouse's earned income-2	K54a	amk54a_15	imamk54a_15	k54a_imp_15
3	Spouse's earned income-3	K56a	amk56a_15	imamk56a_15	k56a_imp_15
4	Spouse's earned income-4	K57a	amk57a_15	imamk57a_15	k57a_imp_15
5	Spouse's pension income - retirement -1	K67c1	amk67_1_1_15	imamk67_1_1_15	k67_1_1_imp_15
6	Spouse's pension income - retirement -2	K67c2	amk67_1_2_15	imamk67_1_2_15	k67_1_2_imp_15
7	Spouse's pension income - retirement -3	K67c3	amk67_1_3_15	imamk67_1_3_15	k67_1_3_imp_15
8	Spouse's pension income - widow -1	K67d1	amk67_2_1_15	imamk67_2_1_15	k67_2_1_imp_15
9	Spouse's pension income - widow -2	K67d2	amk67_2_2_15	imamk67_2_2_15	k67_2_2_imp_15
10	Spouse's pension income - widow -3	K67d3	amk67_2_3_15	imamk67_2_3_15	k67_2_3_imp_15
11	Spouse's pension income - disability -1	K67e1	amk67_3_1_15	imamk67_3_1_15	k67_3_1_imp_15
12	Spouse's pension income - disability -2	K67e2	amk67_3_2_15	imamk67_3_2_15	k67_3_2_imp_15
13	Spouse's pension income - disability -3	K67e3	amk67_3_3_15	imamk67_3_3_15	k67_3_3_imp_15
14	Spouse's other pension income -1	K67f1	amk67_4_1_15	imamk67_4_1_15	k67_4_1_imp_15
15	Spouse's other pension income -2	K67f2	amk67_4_2_15	imamk67_4_2_15	k67_4_2_imp_15
16	Spouse's other pension income -3	K67f3	amk67_4_3_15	imamk67_4_3_15	k67_4_3_imp_15
17	Spouse's transfer income from institutions	K83c	amk83_1_15	imamk83_1_15	k83_1_imp_15
18	Spouse's transfer income from individuals	K83d	amk83_2_15	imamk83_2_15	k83_2_imp_15
19	Spouse's transfer income from properties	K83e	amk83_3_15	imamk83_3_15	k83_3_imp_15

Note: In the following cases the Question Number (from the questionnaire) and the corresponding variable name in the data files are different: K67c1, K67d1, K67e1, K67f1, K83c, K83d, and K83e. For example: Question Number in the questionnaires is K67c1, however in the data file the variable name is k67_1_1_15.

Table 4.3. GROUP 3. Components of Individual (or Couple) Total Net Worth and Household Consumption

	Concept	Question number	Derived variable	Imputed variable	Flag variable
1	Gross value houses/apartments	J31	amj31_15	imamj31_15	j31_imp_15
2	Total debt houses/apartments	J28	amj28_15	imamj28_15	j28_imp_15
3	Total debt mortgages/loans	J26	amj26_15	imamj26_15	j26_imp_15
4	Net value other houses/apartments	J34	amj34_15	imamj34_15	j34_imp_15
5	Gross value business_1	K8_1	amk8_1_15	imamk8_1_15	k8_1_imp_15
6	Gross value business_2	K8_2	amk8_2_15	imamk8_2_15	k8_2_imp_15
7	Total debt business_1	K4_1	amk4_1_15	imamk4_1_15	k4_1_imp_15
8	Total debt business_2	K4_2	amk4_2_15	imamk4_2_15	k4_2_imp_15
9	Gross value other real estate properties_1	K24_1	amk24_1_15	imamk24_1_15	k24_1_imp_15
10	Gross value other real estate properties_2	K24_2	amk24_2_15	imamk24_2_15	k24_2_imp_15
11	Total debt other real estate properties_1	K20_1	amk20_1_15	imamk20_1_15	k20_1_imp_15
12	Total debt other real estate properties_2	K20_2	amk20_2_15	imamk20_2_15	k20_2_imp_15
13	Net value capital assets_1	K33a	amk33_1_15	imamk33_1_15	k33_1_imp_15
14	Net value capital assets_2	K33b	amk33_2_15	imamk33_2_15	k33_2_imp_15
15	Net value capital assets_3	K33c	amk33_3_15	imamk33_3_15	k33_3_imp_15
16	Gross value vehicles	K42	amk42_15	imamk42_15	k42_imp_15
17	Total debt vehicles	K40	amk40_15	imamk40_15	k40_imp_15
18	Net value other assets	K44	amk44_15	imamk44_15	k44_imp_15
19	Other debts	K86	amk86_15	imamk86_15	k86_imp_15
20	Total cost household consumption	K88	amk88_15	imamk88_15	k88_imp_15

Note: In the following cases the Question Number (from the questionnaire) and the corresponding variable name in the data files are different: K33a, K33b, and K33c. For example: Question Number in the questionnaires is K33a, however in the data file the variable name is k33_1_15.

Table 4.4. GROUP 4. Hospitalizations and other utilization of services

	Concept	Question number	Derived variable	Imputed variable	Flag variable
1	Total hospitalization costs	D6	amd6_15	imamd6_15	d6_imp_15
2	Total curandero"/ homeopath costs "	D9_1	amd9_1_15	imamd9_1_15	d9_1_imp_15
3	Total dentist costs	D9_2	amd9_2_15	imamd9_2_15	d9_2_imp_15
4	Total outpatient procedure costs	D9_3	amd9_3_15	imamd9_3_15	d9_3_imp_15
5	Total medical visits costs	D9_4	amd9_4_15	imamd9_4_15	d9_4_imp_15
6	Medications costs	D12a	amd12a_15	imamd12a_15	d12a_imp_15
7	Total hospitalization costs - Next of kin	SD5	amsd5_15	imamsd5_15	sd5_imp_15
8	Medical visits pay in-kind - Next of kin	SD8	amsd8_15	imamsd8_15	sd8_imp_15
9	Medications costs - Next of kin	SD10a	amsd10a_15	imamsd10a_15	sd10a_imp_15

Table 4.5. GROUP 5. Household Monthly Rent

	Concept	Question number	Derived variable	Imputed variable	Flag variable
1	Total cost of monthly rent	J20	amj20_15	imamj20_15	j20_imp_15

Table 4.6. GROUP 6. Pensions Income

	Concept	Question number	Derived variable	Imputed variable	Flag variable
1	Pensions income before death	K101	amk101_15	imamk101_15	k101_imp_15
2	Pensions income after death	K103	amk103_15	imamk103_15	k103_imp_15
3	Death expenditures ⁶	K111	amk111_15	imamk111_15	k111_imp_15

⁶ Expenditures associated with the death of the spouse such as funeral costs, legal fees, etc., medical costs are excluded.

Table 4.7. GROUP 7. Help Given

	Concept	Question number	Derived variable	Imputed variable	Flag variable
1	Financial assistance given_1	G8_1	amg8b1_15	imamg8b1_15	g8b1_imp_15
2	Financial assistance given_2	G8_2	amg8b2_15	imamg8b2_15	g8b2_imp_15
3	Financial assistance given_3	G8_3	amg8b3_15	imamg8b3_15	g8b3_imp_15
4	Financial assistance given_4	G8_4	amg8b4_15	imamg8b4_15	g8b4_imp_15
5	Financial assistance given_5	G8_5	amg8b5_15	imamg8b5_15	g8b5_imp_15
6	Financial assistance given_6	G8_6	amg8b6_15	imamg8b6_15	g8b6_imp_15
7	Financial assistance given_7	G8_7	amg8b7_15	imamg8b7_15	g8b7_imp_15

Table 4.8. GROUP 8. Economic Help

	Concept	Question number	Derived variable	Imputed variable	Flag variable
1	Economic Help to Parents	F41	amf41_15	imamf41_15	f41_imp_15

Tables 5. Distribution of Select Derived and Imputed Variables by Range of Amount

SELECT INCOME SOURCES

Table 5.1. Own earned Income-1

Amount	Derived Variable		Imputed Variable	
	Freq.	%	Freq.	%
1 – 2,700	231	20.2	232	19.5
2,701 – 4,000	275	24.1	277	23.3
4,001 – 6,000	240	21.0	243	20.4
6,001 – 10,000	212	18.6	223	18.7
>10,000	184	16.1	216	18.1
Sub-total	1,142	100.0	1,191	100.0
0	8,762	88.5	8,730	88.0
Total	9,904		9,921	

Table 5.2. Spouse's earned income-1

Amount	Derived Variable		Imputed Variable	
	Freq.	%	Freq.	%
1 – 2,500	158	20.3	175	18.9
2,501 – 4,000	197	25.3	211	22.7
4,001 – 6,000	171	21.9	189	20.4
6,001 – 9,000	98	12.6	119	12.8
>9,000	156	20.0	234	25.2
Sub-total	780	100.0	928	100.0
0	4,583	85.5	4,591	83.2
Total	5,363		5,519	

Table 5.3. Business income-1

Amount	Derived Variable		Imputed Variable	
	Freq.	%	Freq.	%
1 – 1,400	200	20.3	205	17.7
1,401 – 3,000	195	19.8	201	17.4
3,001 – 7,000	197	20.0	216	18.7
7,001 – 20,000	221	22.5	268	23.2
>20,000	170	17.3	267	23.1
Sub-total	983	100.0	1,157	100.0
0	8,724	89.9	8,764	88.3
Total	9,707		9,921	

Table 5.4. Business expenditures-1

Amount	Derived Variable		Imputed Variable	
	Freq.	%	Freq.	%
1 – 600	243	20.6	243	18.0
601 – 1,500	230	19.5	238	17.6
1,501 – 4,000	273	23.1	279	20.7
4,001 – 10,000	227	19.2	256	19.0
>10,000	209	17.7	334	24.7
Sub-total	1,182	100.0	1,350	100.0
0	8,506	87.8	8,571	86.4
Total	9,688		9,921	

Table 5.5. Own pension income retirement-1

Amount	Derived Variable		Imputed Variable	
	Freq.	%	Freq.	%
1 – 2,000	526	26.5	540	25.5
2,001 – 2,400	328	16.5	330	15.6
2,401 – 4,000	372	18.7	388	18.4
4,001 – 9,000	370	18.6	411	19.4
>9,000	391	19.7	445	21.1
Sub-total	1,987	100.0	2,114	100.0
0	7,819	79.7	7,807	78.7
Total	9,806		9,921	

Table 5.6. Family help income-1

Amount	Derived Variable		Imputed Variable	
	Freq.	%	Freq.	%
1 – 200	723	20.6	753	20.5
201 – 500	841	23.9	873	23.8
501 – 1000	838	23.9	854	23.3
1000 – 2,000	710	20.2	737	20.1
>2,000	400	11.4	449	12.2
Sub-total	3,512	100.0	3,666	100.0
0	5,757	62.1	5,733	61.0
Total	9,269		9,399	

Table 5.7. Family help income-2

Amount	Derived Variable		Imputed Variable	
	Freq.	%	Freq.	%
1 – 200	469	24.7	497	25.1
200 – 417	309	16.3	321	16.2
417 – 800	440	23.1	443	22.3
801 – 1,200	305	16.0	313	15.8
>1,200	378	19.9	410	20.7
Sub-total	1,901	100.0	1,984	100.0
0	7,448	79.7	7,415	78.9
Total	9,349		9,399	

SELECT NET WORTH COMPONENTS

Tables 5.8. Gross value houses

Amount	Derived Variable		Imputed Variable	
	Freq.	%	Freq.	%
1 – 150,000	1,014	21.3	1,297	16.8
150,000 – 300,000	971	20.4	1,224	15.9
300,001 – 500,000	966	20.3	1,297	16.8
500,001 – 1,000,000	1,162	24.4	1,730	22.4
>1,000,000	647	13.6	2,171	28.1
Sub-total	4,760	100.0	7,719	100.0
0	2,158	31.2	2,202	22.2
Total	6,918		9,921	

Table 5.9. Gross value business-1

Amount	Derived Variable		Imputed Variable	
	Freq.	%	Freq.	%
1 – 10,000	220	20.3	245	14.8
10,001 – 60,000	223	20.6	331	20.0
60,000 – 200,000	261	24.1	373	22.5
200,001 – 600,000	183	16.9	279	16.8
>600,000	198	18.2	428	25.8
Sub-total	1,085	100.0	1,656	100.0
0	8,238	88.4	8,265	83.3
Total	9,323		9,921	

Table 5.10. Net value capital assets

Amount	Derived Variable		Imputed Variable	
	Freq.	%	Freq.	%
1 – 10,000	124	27.7	151	23.5
10,001 – 25,000	59	13.2	80	12.5
25,001 – 60,000	100	22.3	126	19.6
60,001 – 200,000	94	21.0	112	17.4
>200,000	71	15.8	173	26.9
Sub-total	448	100.0	642	100.0
0	9,237	95.4	9,279	93.5
Total	9,685		9,921	

Table 5.11. Gross value vehicles

Amount	Derived Variable		Imputed Variable	
	Freq.	%	Freq.	%
1 – 20,000	706	28.9	743	26.2
20,001 – 30,000	402	16.4	414	14.6
30,001 – 50,000	468	19.1	509	17.9
50,001 – 100,000	452	18.5	539	19.0
>100,000	416	17.0	635	22.4
Sub-total	2,444	100.0	2,840	100.0
0	7,063	74.3	7,081	71.4
Total	9,507		9,921	

Table 5.12. Net value other assets

Amount	Derived Variable		Imputed Variable	
	Freq.	%	Freq.	%
1 – 2,000	1084	20.4	1095	15.8
2,001 – 5,000	1153	21.7	1162	16.7
5,001 – 12,000	970	18.3	993	14.3
12,001 – 40,000	1084	20.4	1177	17.0
>40,000	1014	19.1	2,516	36.2
Sub-total	5,305	100.0	6,943	100.0
0	2,283	30.1	2,978	30.0
Total	7,588		9,921	

Tables 6. Variables Used in the Calculation of Total Net Worth and Total Income

Table 6.1 Total (Individual or Couple) Net Worth Components

List of variables according to treatment given for the calculation of total net worth

Type of Net Assets and Variable Name	Constructed variable	Question number	Derived variable	Imputed variable
Total net worth	net_assets_15			
Net value of houses (Added)	net_house_15			
<i>Added</i>				
Gross value houses/apartments		J31	amj31_15	imamj31_15
Net value other houses/apartments		J34	amj34_15	imamj34_15
<i>Deducted</i>				
Total debt houses/apartments		J28	amj28_15	imamj28_15
Net value of business (Added)	net_business_15			
<i>Added</i>				
Gross value business_1		K8_1	amk8_1_15	imamk8_1_15
Gross value business_2		K8_2	amk8_2_15	imamk8_2_15
<i>Deducted</i>				
Total debt business_1		K4_1	amk4_1_15	imamk4_1_15
Total debt business_2		K4_2	amk4_2_15	imamk4_2_15
Net value of other properties (Added)	net_otherprop_15			
<i>Added</i>				
Gross value other real estate properties_1		K24_1	amk24_1_15	imamk24_1_15
Gross value other real estate properties_2		K24_2	amk24_2_15	imamk24_2_15
<i>Deducted</i>				
Total debt other real estate properties_1		K20_1	amk20_1_15	imamk20_1_15
Total debt other real estate properties_2		K20_2	amk20_2_15	imamk20_2_15
Net value of capital assets (Added)	net_capital_15			
<i>Added</i>				
Net value capital assets_1		K33a	amk33_1_15	imamk33_1_15
Net value capital assets_2		K33b	amk33_2_15	imamk33_2_15
Net value capital assets_3		K33c	amk33_3_15	imamk33_3_15
Net value of vehicles (Added)	net_vehicle_15			
<i>Added</i>				
Gross value vehicles		K42	amk42_15	imamk42_15
<i>Deducted</i>				
Total debt vehicles		K40	amk40_15	imamk40_15
Net value of other assets (Added)	net_others_15			
Net value other assets		K44	amk44_15	imamk44_15
Other debts (Deducted)	net_debts_15			
Other debts		K86	amk86_15	imamk86_15

Table 6.2 Total (Individual or Couple) Income Components

List of variables according to treatment given for the calculation of total income

Income Sources and Variable Name	Income variable	Question number	Derived variable	Imputed variable
Total income	income_15			
Family help income	inc_family_15			
<i>Added variables</i>				
Family help income_1		G19_1	amg19_1_15	imamg19_1_15
Family help income_2		G19_2	amg19_2_15	imamg19_2_15
Family help income_3		G19_3	amg19_3_15	imamg19_3_15
Family help income_4		G19_4	amg19_4_15	imamg19_4_15
Family help income_5		G19_5	amg19_5_15	imamg19_5_15
Family help income_6		G19_6	amg19_6_15	imamg19_6_15
Family help income_7		G19_7	amg19_7_15	imamg19_7_15
Business income	inc_business_15			
<i>Added variables</i>				
Business profits-1		K15_1	amk15_1_15	imamk15_1_15
Business profits-2		K15_2	amk15_2_15	imamk15_2_15
Property rent income	inc_property_15			
<i>Added variables</i>				
Rent from residence		J36b	amj36b_15	imamj36b_15
Property rent income-1		K27_1	amk27_1_15	imamk27_1_15
Property rent income-2		K27_2	amk27_2_15	imamk27_2_15
<i>Deducted variables</i>				
Property expeditures-1		K29_1	amk29_1_15	imamk29_1_15
Property expeditures-2		K29_2	amk29_2_15	imamk29_2_15
Capital assets income	inc_capital_15			
<i>Added variables</i>				
Capital assets income-1		K36_1	amk36_1_15	imamk36_1_15
Capital assets income-2		K36_2	amk36_2_15	imamk36_2_15
Capital assets income-3		K36_3	amk36_3_15	imamk36_3_15
Earned income	inc_earned_15			
<i>Added variables</i>				
Own earned income-1		K47a	amk47a_15	imamk47a_15
Own earned income-2		K48a	amk48a_15	imamk48a_15
Own earned income-3		K50a	amk50a_15	imamk50a_15
Own earned income-4		K51a	amk51a_15	imamk51a_15
<i>Added variables</i>				
Spouse's earned income-1		K53a	amk53a_15	imamk53a_15
Spouse's earned income-2		K54a	amk54a_15	imamk54a_15
Spouse's earned income-3		K56a	amk56a_15	imamk56a_15
Spouse's earned income-4		K57a	amk57a_15	imamk57a_15

Continue...

Table 6.2 Total (Individual or Couple) Income Components

List of variables according to treatment given for the calculation of total income

Income Sources and Variable Name	Income variable	Question number	Derived variable	Imputed variable
Pension income	inc_pension_15			
<i>Added variables</i>				
Own pension income -retirement -1		K61a1	amk61_1_1_15	imamk61_1_1_15
Own pension income -retirement -2		K61a2	amk61_1_2_15	imamk61_1_2_15
Own pension income -retirement -3		K61a3	amk61_1_3_15	imamk61_1_3_15
Own pension income -widow -1		K61b1	amk61_2_1_15	imamk61_2_1_15
Own pension income -widow -2		K61b2	amk61_2_2_15	imamk61_2_2_15
Own pension income -widow -3		K61b3	amk61_2_3_15	imamk61_2_3_15
Own pension income -disability -1		K61c1	amk61_3_1_15	imamk61_3_1_15
Own pension income -disability -2		K61c2	amk61_3_2_15	imamk61_3_2_15
Own pension income -disability -3		K61c3	amk61_3_3_15	imamk61_3_3_15
Own other pension income -1		K61d1	amk61_4_1_15	imamk61_4_1_15
Own other pension income -2		K61d2	amk61_4_2_15	imamk61_4_2_15
Own other pension income -3		K61d3	amk61_4_3_15	imamk61_4_3_15
<i>Added variables</i>				
Spouse's pension income - retirement -1		K67c1	amk67_1_1_15	imamk67_1_1_15
Spouse's pension income - retirement -2		K67c2	amk67_1_2_15	imamk67_1_2_15
Spouse's pension income - retirement -3		K67c3	amk67_1_3_15	imamk67_1_3_15
Spouse's pension income - widow -1		K67d1	amk67_2_1_15	imamk67_2_1_15
Spouse's pension income - widow -2		K67d2	amk67_2_2_15	imamk67_2_2_15
Spouse's pension income - widow -3		K67d3	amk67_2_3_15	imamk67_2_3_15
Spouse's pension income - disability -1		K67e1	amk67_3_1_15	imamk67_3_1_15
Spouse's pension income - disability -2		K67e2	amk67_3_2_15	imamk67_3_2_15
Spouse's pension income - disability -3		K67e3	amk67_3_3_15	imamk67_3_3_15
Spouse's other pension income -1		K67f1	amk67_4_1_15	imamk67_4_1_15
Spouse's other pension income -2		K67f2	amk67_4_2_15	imamk67_4_2_15
Spouse's other pension income -3		K67f3	amk67_4_3_15	imamk67_4_3_15
Transfer income	inc_trans_15			
<i>Added variables</i>				
Own transfer income from institutions		K80a	amk80_1_15	imamk80_1_15
Own transfer income from individuals		K80b	amk80_2_15	imamk80_2_15
Own transfer income from properties		K80c	amk80_3_15	imamk80_3_15
<i>Added variables</i>				
Spouse's transfer income from institutions		K83c	amk83_1_15	imamk83_1_15
Spouse's transfer income from individuals		K83d	amk83_2_15	imamk83_2_15
Spouse's transfer income from properties		K83e	amk83_3_15	imamk83_3_15

Tables 7. Distribution of Income and Assets (Derived and Imputed) by Range of Amount

Table 7.1. Total Individual Income

Amount	Derived Variable		Imputed Variable	
	Freq.	%	Freq.	%
1 – 700	2,052	20.1	2,206	19.1
701 – 1,780	2,037	19.9	2,179	18.9
1,781 – 3,150	2,050	20.1	2,254	19.5
3,151 – 7,500	2,045	20.0	2,506	21.7
>7,500	2,030	19.9	2,412	20.9
Sub-total	10,214	100.0	11,557	100.0
0	2,520	19.8	2,600	18.4
Total	12,734		14,157	

Table 7.2. Total Net Worth (Individual or Couple)

Amount	Derived Variable		Imputed Variable	
	Freq.	%	Freq.	%
1 – 71,000	952	20.0	1,115	12.2
71,001 – 275,200	952	20.0	1,426	15.6
275,201 – 510,000	963	20.2	1,538	16.8
510,001 – 1,014,000	941	19.8	1,830	20.0
>1,014,000	952	20.0	3,240	35.4
Sub-total	4,760	100.0	9,149	100.0
0	643	11.9	772	7.8
Total	5,403		9,921	

Table 8. Mean Total Income at the Individual Level and Total Net Worth at the Household Level, and Distribution across Income Sources and Type of Assets by Key Characteristics.

Table 8.1. Mean total income (monthly pesos) and distribution of income sources by characteristics for 2015 MHAS

Variables	Total income	% Distribution across income sources							
		Earned	Pension	Transfer	Business	Property rent	Capital	Family help	
Total (n=14,157)	7,182	100.0	19.6	39.9	12.2	12.0	4.1	4.7	7.4
Gender									
Male	7,730	100.0	29.1	31.1	11.9	12.9	5.1	5.2	4.7
Female	6,787	100.0	11.9	47.1	12.4	11.4	3.3	4.3	9.5
Age									
Less than 50	6,046	100.0	37.6	3.8	41.7	10.4	3.1	0.9	2.6
50-59	6,537	100.0	42.9	12.8	14.7	13.0	2.6	9.5	4.6
60-69	9,378	100.0	13.7	58.9	6.9	10.6	4.0	0.4	5.4
70 and more	5,586	100.0	6.5	36.5	15.3	13.8	5.9	8.3	13.7
Urban/Rural									
Less urban	4,725	100.0	19.1	20.9	21.9	23.2	2.9	0.9	11.1
More urban	8,997	100.0	19.8	47.3	8.4	7.7	4.6	6.2	5.9

Table 8.2. Total net value of assets and distribution of type of assets by key characteristics for 2015 MHAS.

Variables	Total net value of assets	Distribution across income sources							
		Housing	Business	Real estate	Financial assets	Vehicle	Assets not listed	(-) Debts	
Total (n=9,921)	1,458,816	100.0	69.6	14.0	6.6	2.2	1.9	6.2	0.4
Number_15									
Oner person	1,165,880	100.0	75.7	9.7	4.9	1.8	1.0	7.3	0.3
Couple	1,692,464	100.0	66.2	16.4	7.5	2.4	2.3	5.6	0.4

Appendix A

*Descriptive Statistics of Derived (Un-imputed)
and Imputed Variables*

APPENDIX A- DESCRIPTIVE STATISTICS OF ORIGINAL AND IMPUTED VARIABLES

Appendix A1 MHAS/ENASEM 2015
Total Sampled's Income Components
(Including zeros)

Variable	N	Mean	Std. Dev.	Minimum	Maximum
amk11_1_15	9,707	2,329.02	39,587.24	0.00	3,000,000.00
imamk11_1_15	9,921	3,271.71	40,846.88	0.00	3,000,000.00
amk11_2_15	9,911	62.55	1,851.77	0.00	150,000.00
imamk11_2_15	9,921	83.32	2,150.49	0.00	150,000.00
amk13_1_15	9,688	1,331.09	22,479.94	0.00	2,000,000.00
imamk13_1_15	9,921	2,026.04	23,590.41	0.00	2,000,000.00
amk13_2_15	9,914	57.88	1,471.43	0.00	90,000.00
imamk13_2_15	9,921	76.93	2,113.83	0.00	150,000.00
amk15_1_15	9,704	918.59	9,142.65	0.00	400,000.00
imamk15_1_15	9,921	1,249.75	9,689.21	0.00	400,000.00
amk15_2_15	9,913	46.82	3,042.48	0.00	300,000.00
imamk15_2_15	9,921	59.39	3,099.89	0.00	300,000.00
amk27_1_15	9,867	247.94	10,500.97	0.00	1,000,000.00
imamk27_1_15	9,921	331.25	10,929.23	0.00	1,000,000.00
amk27_2_15	9,919	102.78	5,455.34	0.00	400,000.00
imamk27_2_15	9,921	109.41	5,477.02	0.00	400,000.00
amk29_1_15	9,838	74.49	1,535.25	0.00	100,000.00
imamk29_1_15	9,921	98.65	1,638.93	0.00	100,000.00
amk29_2_15	9,915	5.53	363.00	0.00	35,000.00
imamk29_2_15	9,921	7.06	372.37	0.00	35,000.00
amk36_1_15	9,771	29.81	763.22	0.00	60,000.00
imamk36_1_15	9,921	59.99	918.94	0.00	60,000.00
amk36_2_15	9,876	2.86	135.56	0.00	10,000.00
imamk36_2_15	9,921	6.47	200.08	0.00	10,000.00
amk36_3_15	9,873	425.20	40,282.59	0.00	4,000,000.00
imamk36_3_15	9,921	425.46	40,185.51	0.00	4,000,000.00
amk47a_15	9,872	894.60	6,398.49	0.00	500,000.00
imamk47a_15	9,921	988.31	6,752.84	0.00	500,000.00
amk48a_15	9,846	120.49	1,872.74	0.00	166,666.70
imamk48a_15	9,921	174.68	2,012.42	0.00	166,666.70
amk50a_15	9,920	23.38	647.27	0.00	40,000.00
imamk50a_15	9,921	24.14	651.73	0.00	40,000.00
amk51a_15	9,918	0.36	13.69	0.00	833.33
imamk51a_15	9,921	0.58	23.62	0.00	1,895.18
amk61_1_1_15	9,774	1,244.84	4,591.64	0.00	200,000.00
imamk61_1_1_15	9,921	1,341.92	4,696.49	0.00	200,000.00

amk61_1_2_15	9,912	38.63	759.70	0.00	42,000.00
imamk61_1_2_15	9,921	45.11	839.10	0.00	42,000.00
amk61_1_3_15	9,920	0.06	5.52	0.00	550.00
imamk61_1_3_15	9,921	0.11	7.81	0.00	550.00
amk61_2_1_15	9,857	1,159.47	90,657.52	0.00	9,000,000.00
imamk61_2_1_15	9,921	1,189.46	90,368.18	0.00	9,000,000.00
amk61_2_2_15	9,919	2.40	90.28	0.00	4,800.00
imamk61_2_2_15	9,921	6.63	431.20	0.00	42,000.00
amk61_2_3_15	9,921	0.00	0.00	0.00	0.00
imamk61_2_3_15	9,921	0.00	0.00	0.00	0.00
amk61_3_1_15	9,887	24.16	441.25	0.00	24,000.00
imamk61_3_1_15	9,921	24.84	445.81	0.00	24,000.00
amk61_3_2_15	9,921	0.00	0.00	0.00	0.00
imamk61_3_2_15	9,921	0.00	0.00	0.00	0.00
amk61_3_3_15	9,921	0.00	0.00	0.00	0.00
imamk61_3_3_15	9,921	0.00	0.00	0.00	0.00
amk61_4_1_15	9,889	72.92	533.64	0.00	28,000.00
imamk61_4_1_15	9,921	72.76	532.82	0.00	28,000.00
amk61_4_2_15	9,921	0.47	24.32	0.00	2,000.00
imamk61_4_2_15	9,921	0.47	24.32	0.00	2,000.00
amk61_4_3_15	9,921	0.00	0.00	0.00	0.00
imamk61_4_3_15	9,921	0.00	0.00	0.00	0.00
amk80_1_15	9,845	201.55	1,001.70	0.00	50,000.00
imamk80_1_15	9,921	209.98	1,009.14	0.00	50,000.00
amk80_2_15	9,890	8.40	174.91	0.00	8,600.00
imamk80_2_15	9,921	8.55	174.94	0.00	8,600.00
amk80_3_15	9,889	715.78	19,266.06	0.00	1,200,000.00
imamk80_3_15	9,921	824.11	19,966.41	0.00	1,200,000.00
amj36b_15	9,877	97.97	3,152.89	0.00	300,000.00
imamj36b_15	9,921	113.93	3,242.98	0.00	300,000.00
amg19_1_15	9,238	454.96	1,272.79	0.00	50,000.00
imamg19_1_15	9,399	471.06	1,282.17	0.00	50,000.00
amg19_2_15	9,316	195.27	757.57	0.00	24,000.00
imamg19_2_15	9,399	203.20	767.02	0.00	24,000.00
amg19_3_15	9,348	82.83	1,093.38	0.00	100,000.00
imamg19_3_15	9,399	93.23	1,108.43	0.00	100,000.00
amg19_4_15	9,360	27.49	247.78	0.00	12,000.00
imamg19_4_15	9,399	30.88	259.40	0.00	12,000.00
amg19_5_15	9,381	14.91	429.48	0.00	40,000.00
imamg19_5_15	9,399	18.23	439.99	0.00	40,000.00
amg19_6_15	9,390	5.07	77.23	0.00	2,800.00
imamg19_6_15	9,399	5.79	82.46	0.00	2,800.00
amg19_7_15	9,395	4.24	100.70	0.00	7,500.00

imamg19_7_15	9,399	4.92	107.05	0.00	7,500.00
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Note: The difference between the maximum value of the derived and imputed variable is because in most cases the imputation of each variable used the maximum value based on the range (excluding outliers). However, for some variables the maximum value is lower than the upper range of the bracket. In these cases, we used as reference the maximum value of a similar variable. Example: k13_1_15 and k13_2_15.

Appendix A2 MHAS/ENASEM 2015

Total Spouse's Income Components

(Including zeros)

Variable	N	Mean	Std. Dev.	Minimum	Maximum
amk53a_15	5,363	1,136.65	6,184.25	0.00	300,000.00
imamk53a_15	5,519	1,446.96	6,679.89	0.00	300,000.00
amk54a_15	5,345	104.19	752.23	0.00	20,000.00
imamk54a_15	5,519	220.43	1,148.54	0.00	20,000.00
amk56a_15	5,513	28.86	679.65	0.00	30,000.00
imamk56a_15	5,519	49.48	994.11	0.00	30,000.00
amk57a_15	5,514	0.94	41.23	0.00	2,500.00
imamk57a_15	5,519	3.12	166.69	0.00	12,000.00
amk67_1_1_15	5,374	2,295.99	102,425.30	0.00	7,500,000.00
imamk67_1_1_15	5,519	2,736.84	101,165.70	0.00	7,500,000.00
amk67_1_2_15	5,516	12.16	416.30	0.00	20,000.00
imamk67_1_2_15	5,519	18.92	514.97	0.00	20,000.00
amk67_1_3_15	5,519	0.00	0.00	0.00	0.00
imamk67_1_3_15	5,519	0.00	0.00	0.00	0.00
amk67_2_1_15	5,483	4.19	121.57	0.00	7,000.00
imamk67_2_1_15	5,519	4.45	123.11	0.00	7,000.00
amk67_2_2_15	5,519	0.00	0.00	0.00	0.00
imamk67_2_2_15	5,519	0.00	0.00	0.00	0.00
amk67_2_3_15	5,519	0.00	0.00	0.00	0.00
imamk67_2_3_15	5,519	0.00	0.00	0.00	0.00
amk67_3_1_15	5,478	22.01	421.21	0.00	20,000.00
imamk67_3_1_15	5,519	23.21	427.76	0.00	20,000.00
amk67_3_2_15	5,519	0.00	0.00	0.00	0.00
imamk67_3_2_15	5,519	0.00	0.00	0.00	0.00
amk67_3_3_15	5,519	0.00	0.00	0.00	0.00
imamk67_3_3_15	5,519	0.00	0.00	0.00	0.00
amk67_4_1_15	5,484	50.64	428.10	0.00	14,000.00
imamk67_4_1_15	5,519	51.24	428.70	0.00	14,000.00
amk67_4_2_15	5,517	1.19	81.12	0.00	6,000.00
imamk67_4_2_15	5,519	1.19	81.10	0.00	6,000.00
amk67_4_3_15	5,519	0.00	0.00	0.00	0.00
imamk67_4_3_15	5,519	0.00	0.00	0.00	0.00

amk83_1_15	5,459	127.26	828.95	0.00	53,000.00
imamk83_1_15	5,519	136.86	843.75	0.00	53,000.00
amk83_2_15	5,480	0.00	0.00	0.00	0.00
imamk83_2_15	5,519	0.00	0.00	0.00	0.00
amk83_3_15	5,481	341.82	11,124.20	0.00	650,000.00
imamk83_3_15	5,519	339.46	11,085.87	0.00	650,000.00

Appendix A3 MHAS/ENASEM 2015
Total Assets and Household Components
(Including zeros)

Variable	N	Mean	Std. Dev.	Minimum	Maximum
amj31_15	6,918	611,452.80	1,888,787.00	0.00	40,000,000.00
imamj31_15	9,921	895,401.00	1,822,677.00	0.00	40,000,000.00
amj28_15	9,856	4,132.03	38,255.88	0.00	1,000,000.00
imamj28_15	9,921	6,727.93	48,479.86	0.00	1,000,000.00
amj26_15	9,911	89.15	1,721.18	0.00	150,000.00
imamj26_15	9,921	112.63	1,845.46	0.00	150,000.00
amj34_15	9,606	75,257.07	1,042,195.00	0.00	70,000,000.00
imamj34_15	9,921	126,306.10	1,117,313.00	0.00	70,000,000.00
amj20_15	9,917	85.35	605.10	0.00	18,000.00
imamj20_15	9,921	88.07	624.84	0.00	18,000.00
amk8_1_15	9,323	105,899.50	1,544,697.00	0.00	70,000,000.00
imamk8_1_15	9,921	203,195.90	1,681,951.00	0.00	70,000,000.00
amk8_2_15	9,902	2,159.91	87,263.58	0.00	8,000,000.00
imamk8_2_15	9,921	3,033.35	93,073.02	0.00	8,000,000.00
amk4_1_15	9,875	1,108.99	34,519.77	0.00	3,000,000.00
imamk4_1_15	9,921	1,375.47	36,225.96	0.00	3,000,000.00
amk4_2_15	9,921	28.53	1,773.49	0.00	160,000.00
imamk4_2_15	9,921	28.53	1,773.49	0.00	160,000.00
amk24_1_15	9,729	45,189.64	938,097.00	0.00	80,000,000.00
imamk24_1_15	9,921	86,793.92	1,051,272.00	0.00	80,000,000.00
amk24_2_15	9,905	9,085.31	545,642.20	0.00	50,000,000.00
imamk24_2_15	9,921	9,292.41	545,265.80	0.00	50,000,000.00
amk20_1_15	9,883	480.28	30,804.46	0.00	3,000,000.00
imamk20_1_15	9,921	486.00	30,754.52	0.00	3,000,000.00
amk20_2_15	9,921	20.16	2,007.95	0.00	200,000.00
imamk20_2_15	9,921	20.16	2,007.95	0.00	200,000.00
amk33_1_15	9,685	10,234.14	174,226.30	0.00	10,000,000.00
imamk33_1_15	9,921	21,599.28	246,125.70	0.00	10,000,000.00
amk33_2_15	9,871	1,251.34	100,774.70	0.00	10,000,000.00
imamk33_2_15	9,921	1,343.50	100,584.20	0.00	10,000,000.00
amk33_3_15	9,865	4,452.53	356,795.20	0.00	35,000,000.00

imamk33_3_15	9,921	8,488.48	383,007.90	0.00	35,000,000.00
amk42_15	9,507	23,716.55	150,408.20	0.00	9,000,000.00
imamk42_15	9,921	29,518.28	152,988.70	0.00	9,000,000.00
amk40_15	9,860	1,662.46	17,465.89	0.00	500,000.00
imamk40_15	9,921	2,521.61	25,866.74	0.00	500,000.00
amk44_15	7,588	51,862.57	292,635.60	0.00	8,000,000.00
imamk44_15	9,921	90,474.69	289,713.80	0.00	8,000,000.00
amk86_15	9,815	5,044.69	45,731.99	0.00	3,500,000.00
imamk86_15	9,921	5,471.59	46,160.59	0.00	3,500,000.00
amk88_15	9,273	5,052.28	54,054.30	100.00	5,000,000.00
imamk88_15	9,921	4,885.00	52,268.41	1.00	5,000,000.00

Note: The difference between the minimum value of the derived and imputed variable is because the minimum value (not zero) in the mixed imputation is “1”.

Appendix A4 MHAS/ENASEM 2015

Hospital and other utilization of services

(Including zeros)

Variable	N	Mean	Std. Dev.	Minimum	Maximum
amd6_15	14,661	1,042.18	11,741.46	0.00	500,000.00
imamd6_15	14,763	1,301.86	12,628.88	0.00	500,000.00
amd9_1_15	14,737	63.22	568.94	0.00	40,000.00
imamd9_1_15	14,763	66.01	656.87	0.00	40,000.00
amd9_2_15	14,636	776.32	3,086.63	0.00	100,000.00
imamd9_2_15	14,763	780.45	3,084.68	0.00	100,000.00
amd9_3_15	14,754	196.89	2,557.90	0.00	120,000.00
imamd9_3_15	14,763	207.57	2,623.97	0.00	120,000.00
amd9_4_15	14,635	610.34	3,107.84	0.00	100,000.00
imamd9_4_15	14,763	621.36	3,113.48	0.00	100,000.00
amd12a_15	14,521	456.98	2,083.57	0.00	120,000.00
imamd12a_15	14,763	476.23	2,098.57	0.00	120,000.00
amsd5_15	1,161	4,660.54	19,774.07	0.00	240,000.00
imamsd5_15	1,209	4,785.29	19,926.78	0.00	240,000.00
amsd8_15	1,141	3,730.25	14,553.16	0.00	200,000.00
imamsd8_15	1,209	3,997.66	14,585.43	0.00	200,000.00
amsd10a_15	1,123	2,574.28	8,650.98	0.00	100,000.00
imamsd10a_15	1,209	2,821.58	8,676.47	0.00	100,000.00

Appendix A5 MHAS/ENASEM 2015
Pension Income and Death Expenditures
(Including zeros)

Variable	N	Mean	Std. Dev.	Minimum	Maximum
amk101_15	534	141.64	758.36	0.00	9,000.00
imamk101_15	639	142.66	729.86	0.00	9,000.00
amk103_15	528	943.76	3,168.95	0.00	42,000.00
imamk103_15	639	1,025.21	3,212.29	0.00	42,000.00
amk111_15	426	22,053.78	25,512.19	0.00	300,000.00
imamk111_15	639	25,298.99	32,667.11	0.00	300,000.00

Appendix A6 MHAS/ENASEM 2015
Help Given
(Including zeros)

Variable	N	Mean	Std. Dev.	Minimum	Maximum
amg8b1_15	9,254	301.82	1,530.81	0.00	60,000.00
imamg8b1_15	9,399	318.79	1,541.99	0.00	60,000.00
amg8b2_15	9,333	107.26	858.81	0.00	41,666.67
imamg8b2_15	9,399	118.40	885.65	0.00	41,666.67
amg8b3_15	9,366	27.15	318.32	0.00	16,666.67
imamg8b3_15	9,399	32.12	351.12	0.00	16,666.67
amg8b4_15	9,383	5.47	120.48	0.00	8,333.33
imamg8b4_15	9,399	8.03	155.63	0.00	8,333.33
amg8b5_15	9,392	2.30	100.12	0.00	8,333.33
imamg8b5_15	9,399	3.21	115.96	0.00	8,333.33
amg8b6_15	9,393	0.28	13.10	0.00	1,000.00
imamg8b6_15	9,399	0.46	16.02	0.00	1,000.00
amg8b7_15	9,396	0.38	19.60	0.00	1,500.00
imamg8b7_15	9,399	0.55	22.30	0.00	1,500.00

Appendix A7 MHAS/ENASEM 2015
Economic Help to Parents
(Including zeros)

Variable	N	Mean	Std. Dev.	Minimum	Maximum
amf41_15	14,582	1,034.97	6,768.29	0.00	220,000.00
imamf41_15	14,763	1,192.28	6,993.97	0.00	220,000.00

Appendix A8 MHAS/ENASEM 2015
Total Income Components for Selected Person
(Without zeros)

Variable	N	Mean	Std. Dev.	Minimum	Maximum
amk11_1_15	983	22,998.78	122,530.40	25.00	3,000,000.00
imamk11_1_15	1,157	28,054.15	116,712.50	13.65	3,000,000.00
amk11_2_15	51	12,154.73	23,015.64	100.00	150,000.00
imamk11_2_15	61	13,550.34	24,064.04	100.00	150,000.00
amk13_1_15	1,182	10,910.00	63,564.58	100.00	2,000,000.00
imamk13_1_15	1,350	14,889.12	62,455.32	100.00	2,000,000.00
amk13_2_15	61	9,407.15	16,379.77	50.00	90,000.00
imamk13_2_15	67	11,391.91	23,253.90	50.00	150,000.00
amk15_1_15	1,036	8,604.27	26,784.95	100.00	400,000.00
imamk15_1_15	1,197	10,358.16	26,158.21	100.00	400,000.00
amk15_2_15	49	9,471.76	42,665.77	100.00	300,000.00
imamk15_2_15	56	10,522.27	40,262.60	100.00	300,000.00
amk27_1_15	162	15,101.20	80,818.39	150.00	1,000,000.00
imamk27_1_15	178	18,462.78	79,736.05	150.00	1,000,000.00
amk27_2_15	15	67,966.67	127,048.80	1,000.00	400,000.00
imamk27_2_15	17	63,848.96	119,476.10	1,000.00	400,000.00
amk29_1_15	200	3,664.29	10,163.19	50.00	100,000.00
imamk29_1_15	232	4,218.76	9,894.11	2.72	100,000.00
amk29_2_15	12	4,565.83	9,800.35	90.00	35,000.00
imamk29_2_15	17	4,122.78	8,242.71	90.00	35,000.00
amk36_1_15	114	2,554.95	6,622.27	50.00	60,000.00
imamk36_1_15	200	2,975.61	5,777.20	1.00	60,000.00
amk36_2_15	8	3,525.00	3,425.43	300.00	10,000.00
imamk36_2_15	14	4,585.71	2,816.67	300.00	10,000.00
amk36_3_15	6	699,666.70	1,617,637.00	1,000.00	4,000,000.00
imamk36_3_15	11	383,727.50	1,200,068.00	1.00	4,000,000.00
amk47a_15	1,142	7,733.32	17,356.64	100.00	500,000.00
imamk47a_15	1,191	8,232.63	17,900.96	100.00	500,000.00
amk48a_15	825	1,438.04	6,325.00	8.33	166,666.70
imamk48a_15	900	1,925.57	6,427.50	8.33	166,666.70
amk50a_15	36	6,441.67	8,729.70	200.00	40,000.00
imamk50a_15	37	6,473.81	8,609.82	200.00	40,000.00
amk51a_15	10	353.33	260.41	33.33	833.33
imamk51a_15	12	476.91	505.23	33.33	1,895.18
amk61_1_1_15	1,987	6,123.33	8,594.26	250.00	200,000.00
imamk61_1_1_15	2,114	6,297.62	8,504.61	250.00	200,000.00
amk61_1_2_15	60	6,381.78	7,468.82	500.00	42,000.00
imamk61_1_2_15	69	6,486.01	7,766.78	431.13	42,000.00
amk61_1_3_15	1	550.00		550.00	550.00

imamk61_1_3_15	2	6,000.00	2,828.43	4,000.00	8,000.00
amk61_2_1_15	736	15,528.43	331,642.30	200.00	9,000,000.00
imamk61_2_1_15	772	15,285.81	323,815.70	1.00	9,000,000.00
amk61_2_2_15	9	2,644.44	1,498.43	500.00	4,800.00
imamk61_2_2_15	10	6,580.00	12,525.25	500.00	42,000.00
amk61_2_3_15	0				
imamk61_2_3_15	0				
amk61_3_1_15	64	3,732.58	4,060.89	500.00	24,000.00
imamk61_3_1_15	66	3,733.67	4,033.82	500.00	24,000.00
amk61_3_2_15	0				
imamk61_3_2_15	0				
amk61_3_3_15	0				
imamk61_3_3_15	0				
amk61_4_1_15	857	841.47	1,625.46	140.00	28,000.00
imamk61_4_1_15	859	840.40	1,623.72	140.00	28,000.00
amk61_4_2_15	5	923.00	634.84	500.00	2,000.00
imamk61_4_2_15	5	923.00	634.84	500.00	2,000.00
amk61_4_3_15	0				
imamk61_4_3_15	0				
amk80_1_15	2,453	808.92	1,880.65	100.00	50,000.00
imamk80_1_15	2,510	829.98	1,873.91	35.71	50,000.00
amk80_2_15	38	2,185.92	1,813.46	400.00	8,600.00
imamk80_2_15	41	2,069.88	1,793.55	400.00	8,600.00
amk80_3_15	62	114,166.10	216,802.50	950.00	1,200,000.00
imamk80_3_15	68	120,235.10	210,839.80	950.00	1,200,000.00
amj36b_15	230	4,207.07	20,281.69	200.00	300,000.00
imamj36b_15	245	4,613.63	20,167.47	200.00	300,000.00
amg19_1_15	3,512	1,196.73	1,836.85	0.67	50,000.00
imamg19_1_15	3,666	1,207.73	1,823.62	0.67	50,000.00
amg19_2_15	1,901	956.92	1,443.75	8.33	24,000.00
imamg19_2_15	1,984	962.64	1,434.16	3.43	24,000.00
amg19_3_15	884	875.92	3,458.22	4.17	100,000.00
imamg19_3_15	935	937.22	3,401.56	4.17	100,000.00
amg19_4_15	380	677.04	1,036.90	4.17	12,000.00
imamg19_4_15	419	692.64	1,026.35	1.00	12,000.00
amg19_5_15	188	743.99	2,950.71	4.17	40,000.00
imamg19_5_15	206	831.98	2,862.60	4.17	40,000.00
amg19_6_15	95	501.40	586.69	8.33	2,800.00
imamg19_6_15	104	523.01	589.26	8.33	2,800.00
amg19_7_15	65	612.63	1,053.52	8.33	7,500.00
imamg19_7_15	69	670.59	1,063.45	8.33	7,500.00

Appendix A9 MHAS/ENASEM 2015

Total Income Components for Spouse of Selected Person

(Without zeros)

Variable	N	Mean	Std. Dev.	Minimum	Maximum
amk53a_15	780	7,815.20	14,525.34	100.00	300,000.00
imamk53a_15	928	8,605.37	14,280.77	57.38	300,000.00
amk54a_15	434	1,283.12	2,338.26	8.33	20,000.00
imamk54a_15	592	2,055.02	2,922.31	8.33	20,000.00
amk56a_15	20	7,955.00	8,224.13	300.00	30,000.00
imamk56a_15	26	10,503.85	10,194.37	300.00	30,000.00
amk57a_15	6	865.28	988.27	25.00	2,500.00
imamk57a_15	9	1,910.41	3,881.51	1.00	12,000.00
amk67_1_1_15	907	13,603.78	249,122.80	240.00	7,500,000.00
imamk67_1_1_15	1,025	14,736.19	234,463.90	240.00	7,500,000.00
amk67_1_2_15	10	6,710.00	7,500.84	550.00	20,000.00
imamk67_1_2_15	13	8,034.00	7,223.96	550.00	20,000.00
amk67_1_3_15	0				
imamk67_1_3_15	0				
amk67_2_1_15	10	2,295.00	1,778.02	550.00	7,000.00
imamk67_2_1_15	11	2,233.33	1,699.13	550.00	7,000.00
amk67_2_2_15	0				
imamk67_2_2_15	0				
amk67_2_3_15	0				
imamk67_2_3_15	0				
amk67_3_1_15	35	3,444.74	4,054.99	400.00	20,000.00
imamk67_3_1_15	39	3,284.05	3,947.07	5.92	20,000.00
amk67_3_2_15	0				
imamk67_3_2_15	0				
amk67_3_3_15	0				
imamk67_3_3_15	0				
amk67_4_1_15	306	907.51	1,585.69	250.00	14,000.00
imamk67_4_1_15	310	912.31	1,579.21	114.19	14,000.00
amk67_4_2_15	2	3,275.00	3,853.73	550.00	6,000.00
imamk67_4_2_15	4	1,638.00	2,919.49	1.00	6,000.00
amk67_4_3_15	0				
imamk67_4_3_15	0				
amk83_1_15	912	761.77	1,906.04	100.00	53,000.00
imamk83_1_15	939	804.38	1,910.61	100.00	53,000.00
amk83_2_15	0				
imamk83_2_15	0				
amk83_3_15	16	117,093.80	175,005.40	2,500.00	650,000.00
imamk83_3_15	18	104,083.40	168,693.60	1.00	650,000.00

Appendix A10 MHAS/ENASEM 2015
Total Assets and Household Components
(Without zeros)

Variable	N	Mean	Std. Dev.	Minimum	Maximum
amj31_15	4,760	888,661.90	2,222,348.00	100.00	40,000,000.00
imamj31_15	7,719	1,150,832.00	1,993,988.00	100.00	40,000,000.00
amj28_15	221	184,277.10	179,474.70	400.00	1,000,000.00
imamj28_15	318	209,898.90	175,410.60	400.00	1,000,000.00
amj26_15	276	3,201.21	9,836.53	125.00	150,000.00
imamj26_15	302	3,699.95	9,946.08	125.00	150,000.00
amj34_15	687	1,052,284.00	3,765,418.00	150.00	70,000,000.00
imamj34_15	962	1,302,581.00	3,369,393.00	150.00	70,000,000.00
amj20_15	408	2,074.51	2,187.25	100.00	18,000.00
imamj20_15	412	2,120.64	2,258.91	100.00	18,000.00
amk8_1_15	1,085	909,954.60	4,448,276.00	100.00	70,000,000.00
imamk8_1_15	1,656	1,217,335.00	3,965,017.00	100.00	70,000,000.00
amk8_2_15	62	344,958.10	1,056,315.00	300.00	8,000,000.00
imamk8_2_15	81	371,529.50	967,234.40	153.32	8,000,000.00
amk4_1_15	100	109,512.60	326,889.90	45.00	3,000,000.00
imamk4_1_15	113	120,761.00	318,885.90	45.00	3,000,000.00
amk4_2_15	5	56,600.00	61,626.29	3,000.00	160,000.00
imamk4_2_15	5	56,600.00	61,626.29	3,000.00	160,000.00
amk24_1_15	451	974,833.70	4,256,283.00	1,000.00	80,000,000.00
imamk24_1_15	607	1,418,587.00	4,024,786.00	1,000.00	80,000,000.00
amk24_2_15	27	3,332,963.00	10,100,000.00	30,000.00	50,000,000.00
imamk24_2_15	43	2,143,954.00	8,095,514.00	1.00	50,000,000.00
amk20_1_15	20	237,330.00	659,064.10	600.00	3,000,000.00
imamk20_1_15	22	219,163.70	629,752.80	1.00	3,000,000.00
amk20_2_15	1	200,000.00		200,000.00	200,000.00
imamk20_2_15	1	200,000.00		200,000.00	200,000.00
amk33_1_15	448	221,244.70	781,556.30	100.00	10,000,000.00
imamk33_1_15	642	333,779.60	912,759.70	1.00	10,000,000.00
amk33_2_15	62	199,225.80	1,266,140.00	500.00	10,000,000.00
imamk33_2_15	75	177,717.70	1,150,861.00	500.00	10,000,000.00
amk33_3_15	8	5,490,525.00	12,000,000.00	4,200.00	35,000,000.00
imamk33_3_15	21	4,010,200.00	7,477,347.00	4,200.00	35,000,000.00
amk42_15	2,444	92,255.81	285,834.90	100.00	9,000,000.00
imamk42_15	2,840	103,116.50	272,381.20	100.00	9,000,000.00
amk40_15	186	88,128.23	92,713.62	150.00	500,000.00
imamk40_15	213	117,450.00	133,215.10	150.00	500,000.00
amk44_15	5,305	74,181.55	347,620.10	100.00	8,000,000.00
imamk44_15	6,943	129,281.20	339,002.60	98.62	8,000,000.00
amk86_15	1,269	39,017.82	121,903.30	115.00	3,500,000.00

imamk86_15	1,343	40,419.66	119,737.70	115.00	3,500,000.00
amk88_15	9,273	5,052.28	54,054.30	100.00	5,000,000.00
imamk88_15	9,921	4,885.00	52,268.41	1.00	5,000,000.00

Appendix A11 MHAS/ENASEM 2015
Hospital and other utilization of services
(Without zeros)

Variable	N	Mean	Std. Dev.	Minimum	Maximum
amd6_15	494	30,930.04	56,331.11	3.00	500,000.00
imamd6_15	587	32,741.70	54,649.29	3.00	500,000.00
amd9_1_15	897	1,038.61	2,075.89	1.00	40,000.00
imamd9_1_15	900	1,082.84	2,445.97	1.00	40,000.00
amd9_2_15	3,691	3,078.36	5,540.58	1.00	100,000.00
imamd9_2_15	3,722	3,095.60	5,529.95	1.00	100,000.00
amd9_3_15	258	11,259.54	15,828.62	12.00	120,000.00
imamd9_3_15	267	11,477.13	15,883.18	12.00	120,000.00
amd9_4_15	3,882	2,300.96	5,703.40	2.00	100,000.00
imamd9_4_15	3,919	2,340.68	5,700.72	2.00	100,000.00
amd12a_15	6,413	1,034.73	3,038.56	1.00	120,000.00
imamd12a_15	6,528	1,077.00	3,051.77	1.00	120,000.00
amsd5_15	192	28,181.69	41,332.89	14.00	240,000.00
imamsd5_15	200	28,927.08	41,334.42	14.00	240,000.00
amsd8_15	434	9,806.94	22,313.23	50.00	200,000.00
imamsd8_15	462	10,461.40	22,128.75	50.00	200,000.00
amsd10a_15	624	4,632.89	11,190.64	5.00	100,000.00
imamsd10a_15	671	5,083.88	11,145.05	5.00	100,000.00

Appendix A12 MHAS/ENASEM 2015
Pension Income and Death Expenditures
(Without zeros)

Variable	N	Mean	Std. Dev.	Minimum	Maximum
amk101_15	34	2,224.56	2,124.83	375.00	9,000.00
imamk101_15	45	2,025.81	1,955.13	375.00	9,000.00
amk103_15	121	4,118.22	5,560.57	375.00	42,000.00
imamk103_15	145	4,517.97	5,461.53	342.67	42,000.00
amk111_15	386	24,339.15	25,743.48	300.00	300,000.00
imamk111_15	566	28,561.94	33,341.53	96.91	300,000.00

Appendix A13 MHAS/ENASEM 2015**Help Given**

(Without zeros)

Variable	N	Mean	Std. Dev.	Minimum	Maximum
amg8b1_15	2,014	1,386.80	3,044.05	1.25	60,000.00
imamg8b1_15	2,151	1,392.99	2,982.69	1.25	60,000.00
amg8b2_15	858	1,166.74	2,606.50	1.33	41,666.67
imamg8b2_15	924	1,204.41	2,584.00	1.33	41,666.67
amg8b3_15	278	914.69	1,615.88	4.17	16,666.67
imamg8b3_15	311	970.76	1,680.28	2.73	16,666.67
amg8b4_15	77	666.23	1,160.16	8.33	8,333.33
imamg8b4_15	93	811.95	1,347.01	8.33	8,333.33
amg8b5_15	27	798.86	1,720.33	4.17	8,333.33
imamg8b5_15	34	888.70	1,737.36	4.17	8,333.33
amg8b6_15	9	289.17	327.98	8.33	1,000.00
imamg8b6_15	15	288.65	288.34	4.59	1,000.00
amg8b7_15	8	447.19	536.18	8.33	1,500.00
imamg8b7_15	11	468.94	475.04	8.33	1,500.00

Appendix A14 MHAS/ENASEM 2015**Economic Help to Parents**

(Without zeros)

Variable	N	Mean	Std. Dev.	Minimum	Maximum
amf41_15	1,641	9,196.80	18,225.80	2.00	220,000.00
imamf41_15	1,820	9,671.21	17,746.14	2.00	220,000.00