THE MEXICAN HEALTH AND AGING STUDY

(MHAS/ENASEM)

simpleMHAS/ENASEMsimple

Project Document
Version 1
September 8, 2022

I.   Study Description

The Mexican Health and Aging Study (MHAS or ENASEM in Spanish) is a national longitudinal study of adults over the age of 50 with a broad socioeconomic perspective, with five waves completed in 2001, 2003, 2012, 2015, and 2018. The study protocols and survey instruments are highly comparable to the U.S. Health and Retirement Study (HRS). Households with at least one resident age 50 or older were eligible to be part of the MHAS baseline sample. If more than one person was age-eligible in the selected households, then one person was selected at random for the study. If the selected MHAS person was married or in a civil union, with the spouse residing in the same household, then the spouse or partner was also recruited to be part of the MHAS regardless of his/her age. Direct interviews were attempted for all participants, but proxy interviews were conducted whenever direct interviews were not possible. Starting in Wave 2 (2003), the study protocol included a next-of-kin interview regarding deceased participants.

In the first wave (2001), subjects born in 1951 or earlier were selected. The study design included the selection of a new sample in Waves 3 (2012) and 5 (2018). In addition to giving follow-up interviews to participants from previous waves, individuals born 1952–1962 and 1963–1968 were selected for the 2012 and 2018 waves, respectively, in order to represent the population of people aged 50 years and older in said waves.

For more information about the MHAS we recommend you read the cohort profile by Wong, Michaels-Obregón, and Palloni[1] and the study website www.MHASweb.org (www.ENASEM.org for the Spanish-language website).

II.   simpleMHAS (ENASEMsimple) Structure and Contents

The simpleMHAS (ENASEMsimple) is a longitudinal dataset that includes every person interviewed at least once for MHAS and a reduced selection of variables (81 excluding identifiers, information about the interview, and sampling weights) versus the full MHAS datasets. It includes a smaller selection of

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[1] Rebeca Wong, Alejandra Michaels-Obregon, Alberto Palloni, Cohort Profile: The Mexican Health and Aging Study (MHAS), *International Journal of Epidemiology*, Volume 46, Issue 2, April 2017, Page e2, https://doi.org/10.1093/ije/dyu263 (Retrieved July 28, 2022)

variables for ease of use by two groups in particular: students and researchers new to MHAS. We hope that educators will find this a useful tool to introduce students to analysis of large, longitudinal datasets.

a. Data file structure

The simpleMHAS data file is arranged in a long format, with every observation corresponding to an interview completed by or on behalf of a given individual for a given wave. Each unique participant appears once per wave in which they completed a direct interview or in which a proxy or next-of-kin interview was completed on their behalf. Thus, the total observations included in the data file corresponds to all 82,138 direct, proxy, and next-of-kin interviews completed in any wave (see Table 1).

Table 1. Mexican Health and Aging Study (MHAS) Sample Size Across Waves

	2001	2003	2012	2015	2018	Total
Total Sample	**15,186**	**14,250**	**18,465**	**15,988**	**18,249**	**82,138**
Direct and Proxy Interviews	15,186	13,704	15,723	14,779	17,114	76,506
Direct Interviews, Follow-up	0	12,363	8,868	13,254	11,183	70,764
Direct Interviews, New sample	14,154	163	5,580	596	4,603	
Proxy Interviews, Follow-up	0	1,134	959	884	1,122	5,742
Proxy Interviews, New sample	1,032	44	316	45	206	
Next-of-Kin Interviews	**-**	**546**	**2,742**	**1,209**	**1,135**	**5,632**

Finally, the simpleMHAS data file in STATA include variable labels and value labels in both English and Spanish. It is important to note that this feature is only available when using STATA. To change the language of the labels in STATA, the user can use the following codes:

- To use the labels in Spanish

```
label language es
```

- To use the labels in English

```
label language en
```

For more information about `label language,` please refer to the STATA manual (https://www.stata.com/manuals/dlabellanguage.pdf)

b. Contents

The variables in Table 2 are constant across waves within individual participants (identified by `cunicah` and `np`). Identifiers are thus kept constant to allow simpleMHAS to be merged with other MHAS data. The sampling weights (`factori_xx` and `factorh_xx`) are specific to each wave. In both this table and the one below it, the right-hand column lists from which MHAS dataset the variable was obtained; variables with the source "simpleMHAS" were newly created for simpleMHAS.

Table 2: Contents (part 1)

Variable Name	Variable Label (English)	Source of Variable
cunicah	Unique Household ID (=unhhid)	MHAS Master Follow-Up File 2018
np	Person Number	MHAS Master Follow-Up File 2018
codent01	Person identification code 2001 (=ps3)	MHAS Master Follow-Up File 2018
codent03	Person identification code 2003 (=ent2)	MHAS Master Follow-Up File 2018
acthog	2003 Update household code	MHAS Master Follow-Up File 2018
subhog_01	2001 sub-household identifier	MHAS Master Follow-Up File 2018
subhog_03	2003 sub-household identifier	MHAS Master Follow-Up File 2018
subhog_12	2012 sub-household identifier	MHAS Master Follow-Up File 2018
subhog_15	2015 sub-household identifier	MHAS Master Follow-Up File 2018
subhog_18	2018 sub-household identifier	MHAS Master Follow-Up File 2018
factorh_01	2001 Household weight	MHAS Master Follow-Up File 2018
factori_01	2001 Individual weight	MHAS Master Follow-Up File 2018
factorh_03	2003 Household weight	MHAS Master Follow-Up File 2018
factori_03	2003 Individual weight	MHAS Master Follow-Up File 2018
factorh_12	2012 Household weight	MHAS Master Follow-Up File 2018
factori_12	2012 Individual weight	MHAS Master Follow-Up File 2018
factorh_15	2015 Household weight	MHAS Master Follow-Up File 2018
factori_15	2015 Individual weight	MHAS Master Follow-Up File 2018
factorh_18	2018 Household weight	MHAS Master Follow-Up File 2018
factori_18	2018 Individual weight	MHAS Master Follow-Up File 2018
ron_pat	Pattern of participation in waves of MHAS	simpleMHAS
educacion[1]	Years of education as of first interview	MHAS Created Variables
edu_gru[1]	Years of education as of first interview (groups)	MHAS Created Variables

[1]These variables had conflicting values within individual respondents across waves in the created variables datasets, due to some respondents being misassigned new respondent interviews. In such cases the earliest available value was used.

The variables in Table 3 can vary across waves. For example, a subject who participated in Waves 1 and 2 only would have two observations, each with a possibly different value of `tipent`, `urbano`, `diabetes` etc.

Table 3: Contents (part 2)

Variable Name	Variable Label (English)	Source of Variable
ronda	Wave of MHAS in which data were collected	simpleMHAS
tipent	Type of interview	MHAS Master Follow-Up File 2018
mes_ent	Month of interview	simpleMHAS
a_o_ent	Year of interview	simpleMHAS
fallecido	Interviewee had died since the last interview	MHAS Master Follow-Up File 2018
sexo	Sex (1 = Male)	MHAS Created Variables
mes_nac	Month of birth	simpleMHAS

`a_o_nac`	Year of birth	simpleMHAS
`edad`	Age in full years	MHAS Created Variables
`edad_gru`	Age in full years (groups)	MHAS Created Variables
`urbano`	Locality size (urban or rural)	MHAS Created Variables
`n_res`	Number of residents in the household	Harmonized MHAS
`n_suj_hog`	Number of interviewed subjects in the household	simpleMHAS
`par_ent`	Spouse interview available	simpleMHAS
`madre_viva`	Mother is alive	simpleMHAS
`padre_vivo`	Father is alive	simpleMHAS
`hermanos_vivos`	Number of living siblings	simpleMHAS
`n_hijos_vivos`	Number of living children	simpleMHAS
`hijos_vivos_gru`	Number of living children (categorical)	simpleMHAS
`nietos`	Number of grandchildren	Harmonized MHAS
`hijo_en_hog`	1+ children of interviewee/spouse live in household	Harmonized MHAS
`cuida_adulto`	Use of time: Cares for sick or disabled adult	MHAS Created Variables
`cuida_menor`	Use of time: Cares for children under 12 years of age	MHAS Created Variables
`voluntario`	Use of time: Does volunteer work	MHAS Created Variables
`asiste_cursos`	Use of time: Attends training course, lecture, or class	MHAS Created Variables
`asiste_club`	Use of time: Attends sport or social club	MHAS Created Variables
`lee`	Use of time: Reads books, magazines, or periodicals	MHAS Created Variables
`cruci_rompe`	Use of time: Does crosswords, jigsaw puzzles, number games	MHAS Created Variables
`juegos_mesa`	Use of time: Plays tabletop games	MHAS Created Variables
`comu_telef_comp`	Use of time: Talks on telephone, sends messages on computer, or uses internet	MHAS Created Variables
`act_mant`	Use of time: Does household maintenance activities	MHAS Created Variables
`ve_tv`	Use of time: Watches television	MHAS Created Variables
`cose`	Use of time: Sews, embroiders, weaves, or does other handicrafts	MHAS Created Variables
`compras`	Use of time: Makes purchases	MHAS Created Variables
`med_farm`	Use of time: Visits doctor or pharmacies	MHAS Created Variables
`salud_glob`	Self-report of global health	MHAS Created Variables
`hipertension`	Doctor/medical personnel has told R that R has hypertension/high blood pressure	MHAS Created Variables
`diabetes`	Doctor/medical personnel has told R that R has diabetes	MHAS Created Variables
`enf_pulm`	Doctor/medical personnel has told R that R has respiratory illness	MHAS Created Variables
`artritis`	Doctor/medical personnel has told R that R has arthritis	MHAS Created Variables
`infarto`	Doctor/medical personnel has told R that R has had heart attack	MHAS Created Variables
`embolia`	Doctor/medical personnel has told R that R has had stroke	MHAS Created Variables
`cancer`	Doctor/medical personnel has told R that R has cancer	MHAS Created Variables
`n_enf`	Number of chronic illnesses	MHAS Created Variables
`enf_cat`	Number of chronic illnesses (categorical)	MHAS Created Variables
`deprimido`	During the past week: Has felt depressed	MHAS Created Variables
`esfuerzo`	During the past week: Has felt that everything they did was an effort	MHAS Created Variables
`intranquilo`	During the past week: Has felt that their sleep was restless	MHAS Created Variables
`feliz`	During the past week: Has felt happy	MHAS Created Variables
`solo`	During the past week: Has felt lonely	MHAS Created Variables
`disf_vida`	During the past week: Has felt that they enjoyed life	MHAS Created Variables
`triste`	During the past week: Has felt sad	MHAS Created Variables
`cansado`	During the past week: Has felt tired	MHAS Created Variables
`energia`	During the past week: Has felt that they had a lot of energy	MHAS Created Variables
`n_sint_depr`	Number of CES-D depressive symptoms (0–9)	MHAS Created Variables
`cesd_deprimido`	Has 5+ CES-D depressive symptoms	MHAS Created Variables
`visita_medica`	Last 12 months: Had visits to doctor (at least one)	MHAS Created Variables

`hospitalizacion`	Last 12 months: Was hospitalized (at least one night)	MHAS Created Variables
`n_abvd_wh`	Number of limitations with ADL's (Wallace & Herzog index)	Harmonized MHAS
`n_abvd`	Number of limitations with ADL's (0–5)	MHAS Created Variables
`abvd_gru`	Number of limitations with ADL's (categorical)	MHAS Created Variables
`n_aivd`	Number of limitations with IADL's (0–4)	MHAS Created Variables
`aivd_gru`	Number of limitations with IADL's (categorical)	MHAS Created Variables
`n_mov`	Number of limitations with mobility (0–4)	Harmonized MHAS
`n_img`	Number of limitations with large muscles index activities (0–4)	Harmonized MHAS
`motoras_gruesas`	Number of limitations with gross motor skills (0–4)	Harmonized MHAS
`motoras_finas`	Number of limitations with fine motor skills (0–4)	Harmonized MHAS
`recuerdo1`	MHAS Verbal Learning (0–8) IMPUTED	simpleMHAS
`recuerdo1_flag`	MHAS Verbal Learning – FLAG if imputed	simpleMHAS
`recuerdo2`	MHAS Delayed Verbal Recall (0–8) IMPUTED	simpleMHAS
`recuerdo2_flag`	MHAS Delayed Verbal Recall – FLAG if imputed	simpleMHAS
`copiafiguras1`	MHAS Constructional Praxis (0–2) IMPUTED	simpleMHAS
`copiafiguras1_flag`	MHAS Constructional Praxis – FLAG if imputed	simpleMHAS
`copiafiguras2`	MHAS Constructional Praxis Recall (0–2) IMPUTED	simpleMHAS
`copiafiguras2_flag`	MHAS Constructional Praxis Recall – FLAG if imputed	simpleMHAS
`visualscan`	MHAS Visual Scanning (0–60) IMPUTED	simpleMHAS
`visualscan_flag`	MHAS Visual Scanning – FLAG if imputed	simpleMHAS
`orientacion`	MHAS Orientation (0–3) IMPUTED	simpleMHAS
`orientacion_flag`	MHAS Orientation – FLAG if imputed	simpleMHAS
`serial7`	MHAS Series of subtractions 7 from 100 (0-5) IMPUTED	simpleMHAS
`memoria`	Self-report or report by proxy of memory	MHAS Created Variables
`bmi_imp`	Mean of body mass index (kg/m^2) across 10 imputations	MHAS Height and Weight Imputations
`imc_imp_cat`	Body mass index (5 categories)	simpleMHAS
`bmi_flag`	MHAS BMI - FLAG if imputed	simpleMHAS
`tabaco`	Currently smokes tobacco	MHAS Created Variables
`fumado`	Has ever smoked tobacco	Harmonized MHAS
`alcohol`	Currently drinks alcoholic beverages	MHAS Created Variables
`ejer_3_por_sem`	Does exercise or heavy physical labor 3+ times per week	MHAS Created Variables
`ocupacion`	Current employment status	MHAS Created Variables
`autoem`	R is employed or self-employed, if they work	simpleMHAS
`horas_trabajadas`	Hours worked per week	simpleMHAS
`imp_neto`	Net worth of interviewee and spouse (if any)	MHAS Imputed Economic Variables

c. Codebook and Special Missing Values

Appendix 1 contains the "MHAS Created Variables" codebooks by wave. The created variables incorporate the use of special missing values to indicate the reason for the missing information. The primary reasons include interviews by proxy, refusals, and not valid values. It is important to note that special missing values are available for STATA and SAS users only but are NOT visible in SPSS.

The following is a list of special missing values used to explain missingness in the raw variables:

".p" Interview was complete by a proxy respondent (question not asked as part of proxy interviews)

".f" Subject is deceased at said wave and forward

".r" Subject refused to answer the question

".d" Subject answered "Don't Know"

".s" Skipped question due to a previous answer or set of answers

".i" Incomplete interview, subject interrupted interview and did not continue

".m" Missing information, subject did not complete the question but did complete the rest of the interview

".x" Subject answered "Don't Do", this only applies for the ADLs and IADLs questions

Appendix 1. Codebook

```
--------------------------------------------------------------------------------
cunicah            in en: Unique Household ID (=unhhid)
                   in es: Clave Unica del Hogar (=unhhid)
--------------------------------------------------------------------------------

* not tabulated *

--------------------------------------------------------------------------------
np                 in en:  Person Number
                   in es:  Numero de Persona
--------------------------------------------------------------------------------

* not tabulated *

--------------------------------------------------------------------------------
codent01           in en: 2001 Person identification code (=ps3)
                   in es: Numero de identificación de la persona 2001 (=ps3)
--------------------------------------------------------------------------------

* not tabulated *

--------------------------------------------------------------------------------
codent03           in en: 2003 Person identification code (=ent2)
                   in es: Numero de identificación de la persona 2003 (=ent2)
--------------------------------------------------------------------------------

* not tabulated *

--------------------------------------------------------------------------------
acthog             in en: 2003 Update household code
                   in es: Numero de actualización del hogar 2003
--------------------------------------------------------------------------------

* not tabulated *

--------------------------------------------------------------------------------
subhog_01          in en: 2001 Sub-household identifier
                   in es: Numero de identificación del subhogar 2001
--------------------------------------------------------------------------------

* not tabulated *

--------------------------------------------------------------------------------
subhog_03          in en: 2003 sub-household identifier
                   in es: Numero de identificación del subhogar 2003
--------------------------------------------------------------------------------

* not tabulated *

--------------------------------------------------------------------------------
subhog_12          in en: 2012 sub-household identifier
                   in es: Numero de identificación del subhogar 2012
--------------------------------------------------------------------------------

* not tabulated *
```

```
--------------------------------------------------------------------------
subhog_15          in en: 2015 sub-household identifier
                   in es: Numero de identificación del subhogar 2015
--------------------------------------------------------------------------

* not tabulated *

--------------------------------------------------------------------------
subhog_18          in en: 2018 sub-household identifier
                   in es: Numero de identificación del subhogar 2018
--------------------------------------------------------------------------

* not tabulated *

--------------------------------------------------------------------------
ronda              in en:  Wave of MHAS in which data were collected
                   in es:  Ronda de ENASEM en cual datos fueron recogidos
--------------------------------------------------------------------------

    Wave of |
    MHAS in |
 which data |
       were |
  collected |     Freq.      Percent         Cum.
------------+-----------------------------------------
     1.2001 |    15,186        18.49        18.49
     2.2003 |    14,250        17.35        35.84
     3.2012 |    18,465        22.48        58.32
     4.2015 |    15,988        19.46        77.78
     5.2018 |    18,249        22.22       100.00
------------+-----------------------------------------
      Total |    82,138       100.00
```

```
--------------------------------------------------------------------------
tipent             in en:  Type of interview
                   in es:  Tipo de entrevista
--------------------------------------------------------------------------
```

Type of interview	Wave of MHAS in which data were collected					Total
	1.2001	2.2003	3.2012	4.2015	5.2018	
1.Direct, follow-up	0	12,363	8,868	13,254	11,183	45,668
2.Direct, new sample	14,154	163	5,580	596	4,603	25,096
3.Proxy, follow-up	0	1,134	959	884	1,122	4,099
4.Proxy, new sample	1,032	44	316	45	206	1,643
5.Next-of-kin	0	546	2,742	1,209	1,135	5,632
Total	15,186	14,250	18,465	15,988	18,249	82,138

```
--------------------------------------------------------------------------
factorh_01         in en:  Household weight 2001
                   in es:  Household weight 2001
--------------------------------------------------------------------------
```

* not tabulated *

```
--------------------------------------------------------------------------
factori_01        in en: Individual weight 2001
                  in es: Factor de expansión del individuo 2001
--------------------------------------------------------------------------

* not tabulated *

--------------------------------------------------------------------------
factorh_03        in en: Household weight 2003
                  in es: Factor de expansión del hogar 2003
--------------------------------------------------------------------------

* not tabulated *

--------------------------------------------------------------------------
factori_03        in en: Individual weight 2003
                  in es: Factor de expansión del individuo 2003
--------------------------------------------------------------------------

* not tabulated *

--------------------------------------------------------------------------
factorh_12        in en: Household weight 2012
                  in es: Factor de expansión del hogar 2012
--------------------------------------------------------------------------

* not tabulated *

--------------------------------------------------------------------------
factori_12        in en: Individual weight 2012
                  in es: Factor de expansión del individuo 2012
--------------------------------------------------------------------------

* not tabulated *

--------------------------------------------------------------------------
factorh_15        in en: Household weight 2015
                  in es: Factor de expansión del hogar 2015
--------------------------------------------------------------------------

* not tabulated *

--------------------------------------------------------------------------
factori_15        in en: Individual weight 2015
                  in es: Factor de expansión del individuo 2015
--------------------------------------------------------------------------

* not tabulated *

--------------------------------------------------------------------------
factorh_18        in en: Household weight 2018
                  in es: Factor de expansión del hogar 2018
--------------------------------------------------------------------------

* not tabulated *
```

```
------------------------------------------------------------------------
factori_18        in en: Individual weight 2018
                  in es: Factor de expansión del individuo 2018
------------------------------------------------------------------------

* not tabulated *

------------------------------------------------------------------------
ron_pat           in en:  Pattern of participation in waves of MHAS
                  in es:  Patrón de participación en rondas de ENASEM
------------------------------------------------------------------------

* not tabulated *

------------------------------------------------------------------------
mes_ent           in en:  Month of interview
                  in es:  Mes de entrevista
------------------------------------------------------------------------
```

Month of interview	Wave of MHAS in which data were collected					Total
	1.2001	2.2003	3.2012	4.2015	5.2018	
1	2	0	13	0	332	347
2	1	0	1	0	77	79
3	1	0	0	0	0	1
5	945	0	0	0	0	945
6	7,492	5,394	0	0	0	12,886
7	5,037	6,316	0	0	0	11,353
8	1,526	1,967	0	0	0	3,493
9	118	27	3	0	0	148
10	64	0	6,968	6,282	0	13,314
11	0	0	8,098	7,646	8,688	24,432
12	0	0	638	851	8,017	9,506
.e	0	0	1	0	0	1
.f	0	546	2,742	1,209	1,135	5,632
.i	0	0	1	0	0	1
Total	15,186	14,250	18,465	15,988	18,249	82,138

```
------------------------------------------------------------------------
a_o_ent           in en:  Year of interview
                  in es:  Año de entrevista
------------------------------------------------------------------------
```

Year of interview	Wave of MHAS in which data were collected					Total
	1.2001	2.2003	3.2012	4.2015	5.2018	
2001	15,186	0	0	0	0	15,186
2003	0	13,704	0	0	0	13,704
2012	0	0	15,707	0	0	15,707
2013	0	0	14	0	0	14
2015	0	0	0	14,779	0	14,779
2018	0	0	0	0	16,705	16,705
2019	0	0	0	0	409	409
.e	0	0	1	0	0	1
.f	0	546	2,742	1,209	1,135	5,632
.i	0	0	1	0	0	1
Total	15,186	14,250	18,465	15,988	18,249	82,138

```
--------------------------------------------------------------------------
fallecido         in en:  Interviewee had died since the last interview
                  in es:  Entrevistado había muerto desde la entrevista pasada
--------------------------------------------------------------------------


Interview- |
    ee had |
died since |
  the last |     Wave of MHAS in which data were collected
 interview |   1.2001    2.2003    3.2012    4.2015    5.2018 |     Total
-----------+-------------------------------------------------------+----------
     0.No |   15,186    13,704    15,723    14,779    17,114 |    76,506
    1.Yes |        0       546     2,742     1,209     1,135 |     5,632
-----------+-------------------------------------------------------+----------
   Total  |   15,186    14,250    18,465    15,988    18,249 |    82,138
```

```
--------------------------------------------------------------------------
sexo              in en:  Sex (1 = Male)
                  in es:  Sexo (1 = Hombre)
--------------------------------------------------------------------------


  Sex (1 = |     Wave of MHAS in which data were collected
    Male)  |   1.2001    2.2003    3.2012    4.2015    5.2018 |     Total
-----------+-------------------------------------------------------+----------
 0.Female |    8,682     8,142    10,459     9,249    10,488 |    47,020
   1.Male |    6,504     6,108     8,006     6,739     7,761 |    35,118
-----------+-------------------------------------------------------+----------
   Total  |   15,186    14,250    18,465    15,988    18,249 |    82,138
```

```
--------------------------------------------------------------------------
mes_nac           in en:  Month of birth
                  in es:  Mes de nacimiento
--------------------------------------------------------------------------


 Month of |     Wave of MHAS in which data were collected
    birth |   1.2001    2.2003    3.2012    4.2015    5.2018 |     Total
-----------+-------------------------------------------------------+----------
        1 |    1,211     1,154     1,501     1,305     1,465 |     6,636
        2 |    1,216     1,128     1,428     1,222     1,397 |     6,391
        3 |    1,312     1,242     1,577     1,360     1,531 |     7,022
        4 |    1,228     1,164     1,481     1,294     1,501 |     6,668
        5 |    1,335     1,252     1,610     1,412     1,597 |     7,206
        6 |    1,452     1,348     1,688     1,375     1,598 |     7,461
        7 |    1,224     1,147     1,582     1,375     1,579 |     6,907
        8 |    1,296     1,195     1,545     1,315     1,557 |     6,908
        9 |    1,154     1,080     1,431     1,243     1,450 |     6,358
       10 |    1,248     1,150     1,470     1,289     1,413 |     6,570
       11 |    1,199     1,116     1,510     1,338     1,500 |     6,663
       12 |    1,255     1,184     1,571     1,368     1,560 |     6,938
       .d |       56        58        52        87       100 |       353
       .f |        0        21        18         4         0 |        43
       .i |        0        11         0         0         0 |        11
       .r |        0         0         1         1         1 |         3
-----------+-------------------------------------------------------+----------
   Total  |   15,186    14,250    18,465    15,988    18,249 |    82,138
```

```
--------------------------------------------------------------------------------
a_o_nac          in en:  Year of birth
                 in es:  Año de nacimiento
--------------------------------------------------------------------------------

  Year of |       Wave of MHAS in which data were collected
    birth |   1.2001      2.2003      3.2012      4.2015      5.2018 |      Total
----------+---------------------------------------------------------+---------
    1895 |         2           2           1           0           0 |         5
    1896 |         1           1           0           1           0 |         3
    1898 |         1           1           1           0           0 |         3
    1899 |         1           1           0           0           0 |         2
    1900 |         3           3           1           0           0 |         7
    1901 |         3           3           1           0           0 |         7
    1902 |         4           4           2           1           1 |        12
    1903 |         2           2           0           0           0 |         4
    1904 |         5           5           4           0           0 |        14
    1905 |         7           7           3           1           1 |        19
    1906 |        11          11           7           2           0 |        31
    1907 |        14          14           7           0           0 |        35
    1908 |        11          10           6           1           0 |        28
    1909 |        18          17           9           0           0 |        44
    1910 |        29          29          16           1           1 |        76
    1911 |        36          36          28           3           2 |       105
    1912 |        31          31          18           1           1 |        82
    1913 |        54          51          35           6           3 |       149
    1914 |        59          58          42           6           1 |       166
    1915 |        75          75          54           9           2 |       215
    1916 |        61          59          40          14           6 |       180
    1917 |        51          51          41          11           6 |       160
    1918 |        64          63          49          13           7 |       196
    1919 |       103          95          76          20          12 |       306
    1920 |       171         165         136          59          26 |       557
    1921 |       147         137         106          39          22 |       451
    1922 |       143         139         119          57          29 |       487
    1923 |       168         159         138          70          44 |       579
    1924 |       227         214         176          84          49 |       750
    1925 |       232         217         194          88          49 |       780
    1926 |       209         202         167          82          51 |       711
    1927 |       224         217         190         101          62 |       794
    1928 |       242         233         199         123          80 |       877
    1929 |       276         272         236         149         107 |     1,040
    1930 |       369         354         313         202         140 |     1,378
    1931 |       305         293         260         188         145 |     1,191
    1932 |       338         331         300         222         171 |     1,362
    1933 |       360         342         294         219         170 |     1,385
    1934 |       414         393         349         261         216 |     1,633
    1935 |       418         406         368         305         243 |     1,740
    1936 |       428         414         392         314         258 |     1,806
    1937 |       421         397         372         297         244 |     1,731
    1938 |       437         413         383         326         276 |     1,835
    1939 |       480         454         424         354         298 |     2,010
    1940 |       517         486         454         370         326 |     2,153
    1941 |       499         480         442         372         321 |     2,114
    1942 |       569         536         515         468         400 |     2,488
    1943 |       553         526         494         450         399 |     2,422
    1944 |       610         567         560         510         441 |     2,688
    1945 |       644         594         572         525         457 |     2,792
    1946 |       635         609         586         561         491 |     2,882
    1947 |       709         667         633         582         522 |     3,113
    1948 |       694         654         652         625         549 |     3,174
    1949 |       711         664         668         644         563 |     3,250
```

1950	653	593	643	593	517	2,999
1951	318	247	370	364	328	1,627
1952	273	233	534	526	487	2,053
1953	184	148	452	458	429	1,671
1954	172	143	510	510	474	1,809
1955	126	113	479	463	439	1,620
1956	130	110	485	496	474	1,695
1957	89	73	512	501	464	1,639
1958	84	71	455	446	445	1,501
1959	77	67	510	501	502	1,657
1960	52	42	496	480	507	1,577
1961	41	36	450	457	529	1,513
1962	43	37	452	448	578	1,558
1963	22	22	199	194	758	1,195
1964	18	17	143	145	751	1,074
1965	12	10	110	116	699	947
1966	23	22	90	101	683	919
1967	7	7	75	79	648	816
1968	14	13	71	79	458	635
1969	8	7	35	38	154	242
1970	7	7	42	44	125	225
1971	5	4	36	38	124	207
1972	4	5	28	29	90	156
1973	6	6	24	21	74	131
1974	8	6	27	30	56	127
1975	2	1	14	14	39	70
1976	2	3	12	14	49	80
1977	2	2	8	10	26	48
1978	3	2	6	6	22	39
1979	1	1	6	8	21	37
1980	1	1	7	7	19	35
1981	2	1	6	5	12	26
1982	1	1	2	2	6	12
1983	0	0	3	3	6	12
1984	0	0	2	2	8	12
1985	0	0	3	2	6	11
1986	0	0	3	3	4	10
1987	0	0	1	2	3	6
1988	0	0	0	1	2	3
1989	0	0	1	1	3	5
1990	0	0	0	1	2	3
1991	0	0	1	1	0	2
1992	0	0	2	2	3	7
1993	0	0	0	0	1	1
1995	0	0	0	0	2	2
1996	0	0	0	0	4	4
1998	0	0	0	0	2	2
1999	0	0	0	0	2	2
2001	0	0	0	0	1	1
2018	0	0	0	0	1	1
.d	0	3	9	6	20	38
.f	0	1	0	4	0	5
.i	0	29	18	0	0	47
.m	0	2	0	0	0	2
Total	15,186	14,250	18,465	15,988	18,249	82,138

----
edad   in en: Age in full years
                  in es: Edad en años cumplidos

```
      Wave |        Obs        Mean    Std. Dev.         Min         Max
-----------+------------------------------------------------------------
      2001 |     15,186    60.79014    10.84555          18         106
      2003 |     13,693    62.68166    10.51752          21         108
      2012 |     15,701    63.97408    11.07508          20         115
      2015 |     14,775     66.1288     10.6204          23         113
      2018 |     17,094    64.15538     11.5132          17         107
```

```
    Age in |   Wave of MHAS in which data were collected
full years |    2.2003      3.2012      4.2015      5.2018 |      Total
-----------+--------------------------------------------------+----------
       .d |        10          22           4          15 |         51
       .e |         1           0           0           0 |          1
       .f |       546       2,742       1,209       1,135 |      5,632
       .r |         0           0           0           5 |          5
-----------+--------------------------------------------------+----------
    Total |       557       2,764       1,213       1,155 |      5,689
```

----
edad_gru   in en: Age in full years (groups)
                  in es: Edad en años cumplidos (grupos)

```
   Age in full |       Wave of MHAS in which data were collected
years (groups) |    1.2001      2.2003      3.2012      4.2015      5.2018 |      Total
---------------+----------------------------------------------------------------+----------
0. 49 or under |     1,553         882       1,037         560         895 |      4,927
     1. 50-59  |     6,217       5,120       4,778       3,799       6,086 |     26,000
     2. 60-69  |     4,207       4,304       5,229       5,092       4,430 |     23,262
     3. 70-79  |     2,307       2,415       3,178       3,619       3,839 |     15,358
       4. 80+  |       902         972       1,479       1,705       1,844 |      6,902
          .d   |         0          10          22           4          15 |         51
          .e   |         0           1           0           0           0 |          1
          .f   |         0         546       2,742       1,209       1,135 |      5,632
          .r   |         0           0           0           0           5 |          5
---------------+----------------------------------------------------------------+----------
        Total  |    15,186      14,250      18,465      15,988      18,249 |     82,138
```

----
urbano   in en: Locality size (urban or rural)
                  in es: Tamaño de localidad (urbano o rural)

```
Locality size (urban |       Wave of MHAS in which data were collected
         or rural)   |    1.2001      2.2003      3.2012      4.2015      5.2018 |      Total
---------------------+----------------------------------------------------------------+---------
0. < 100,000 resident |     6,229       5,777       6,600       6,329       7,590 |     32,525
1. 100,000+ residents |     8,957       7,927       9,123       8,450       9,524 |     43,981
                 .f  |         0         546       2,742       1,209       1,135 |      5,632
---------------------+----------------------------------------------------------------+---------
             Total   |    15,186      14,250      18,465      15,988      18,249 |     82,138
```

----
educacion   in en: Years of education as of first interview
                  in es: Años de educación a partir de primera entrevista
----

```
      Wave |        Obs        Mean    Std. Dev.         Min         Max
-----------+------------------------------------------------------------
```

```
         2001 |      15,167     4.6377    4.454809           0         19
         2003 |      14,151   4.497915    4.372333           0         19
         2012 |      18,371   5.329215    4.706595           0         22
         2015 |      15,808   5.628669     4.73405           0         22
         2018 |      18,089   6.427663    4.877103           0         22
```

```
   Years of |
  education |
      as of |
      first |        Wave of MHAS in which data were collected
  interview |    1.2001     2.2003     3.2012     4.2015     5.2018 |     Total
------------+---------------------------------------------------------+----------
         .d |        18         22         14        122         96 |       272
         .f |         0          9         30          7          6 |        52
         .m |         0         67         50         51         51 |       219
         .r |         1          1          0          0          7 |         9
------------+---------------------------------------------------------+----------
      Total |        19         99         94        180        160 |       552
```

```
--------------------------------------------------------------------------------
edu_gru             in en:  Years of education as of first interview (groups)
                    in es:  Años de educación a partir de primera entrevista
                            (grupos)
--------------------------------------------------------------------------------
```

```
Years of education as |
   of first interview |        Wave of MHAS in which data were collected
              (groups) |    1.2001     2.2003     3.2012     4.2015     5.2018 |     Total
----------------------+---------------------------------------------------------+----------
 0. Ninguna educación |     3,652      3,517      3,699      2,847      2,657 |    16,372
          1. 1-5 años |     5,239      4,945      5,728      4,757      4,620 |    25,289
            2. 6 años |     2,788      2,611      3,694      3,310      3,801 |    16,204
          3. 7-9 años |     1,988      1,774      2,938      2,732      3,676 |    13,108
         4. 10+ años |     1,500      1,304      2,312      2,162      3,335 |    10,613
                   .d |         7         10         12        121         96 |       246
                   .f |        12         44         39         13          6 |       114
                   .m |         0         45         43         46         51 |       185
                   .r |         0          0          0          0          7 |         7
----------------------+---------------------------------------------------------+----------
                Total |    15,186     14,250     18,465     15,988     18,249 |    82,138
```

```
--------------------------------------------------------------------------------
est_conyugal        in en:  Current marital status
                    in es:  Estado conyugal actual
--------------------------------------------------------------------------------
```

```
   Current marital |        Wave of MHAS in which data were collected
            status |    1.2001     2.2003     3.2012     4.2015     5.2018 |     Total
------------------+---------------------------------------------------------+----------
1.Married or in civil |    10,512      9,689     10,910      9,862     11,838 |    52,811
  2.Separated or di- |     1,144        947      1,231      1,473      1,325 |     6,120
vorced
         3.Widowed |     2,535      2,545      2,860      2,829      3,047 |    13,816
 4.Never married nor |       539        522        722        615        904 |     3,302
in civil union
                .d |         0          1          0          0          0 |         1
                .f |         0        546      2,742      1,209      1,135 |     5,632
                .m |       456          0          0          0          0 |       456
------------------+---------------------------------------------------------+----------
            Total |    15,186     14,250     18,465     15,988     18,249 |    82,138
```

```
--------------------------------------------------------------------------
n_res              in en:  Number of residents in the household
                   in es:  Número de residentes en el hogar
--------------------------------------------------------------------------

      Wave |        Obs        Mean    Std. Dev.        Min        Max
-----------+-----------------------------------------------------------
      2001 |     15,186    4.110892    2.285619          1         19
      2003 |     13,704    3.093549    2.238597          1         19
      2012 |     15,723     2.99911    2.199964          1         19
      2015 |     14,779    2.450098    1.741984          1         19
      2018 |     17,114    2.398972    1.653285          1         17

Number of |
residents |
   in the |  Wave of MHAS in which data were collected
household |   2.2003     3.2012     4.2015     5.2018 |     Total
-----------+--------------------------------------------+----------
       .f |      546      2,742      1,209      1,135 |     5,632
-----------+--------------------------------------------+----------
    Total |      546      2,742      1,209      1,135 |     5,632


--------------------------------------------------------------------------
n_suj_hog          in en:  Number of interviewed subjects in the household
                   in es:  Numero de sujetos entrevistados en el hogar
--------------------------------------------------------------------------

Number of |
   inter- |
   viewed |
 subjects |
   in the |       Wave of MHAS in which data were collected
household |   1.2001     2.2003     3.2012     4.2015     5.2018 |     Total
-----------+-------------------------------------------------------+----------
        1 |    4,322      4,140      5,131      5,127      5,728 |    24,448
        2 |   10,864      9,564     10,592      9,652     11,386 |    52,058
       .f |        0        546      2,742      1,209      1,135 |     5,632
-----------+-------------------------------------------------------+----------
    Total |   15,186     14,250     18,465     15,988     18,249 |    82,138


--------------------------------------------------------------------------
par_ent            in en:  Spouse interview available
                   in es:  Entrevista de pareja disponible
--------------------------------------------------------------------------

   Spouse |
interview |       Wave of MHAS in which data were collected
available |   1.2001     2.2003     3.2012     4.2015     5.2018 |     Total
-----------+-------------------------------------------------------+----------
     0.No |    4,322      4,140      5,131      5,127      5,728 |    24,448
    1.Yes |   10,864      9,564     10,592      9,652     11,386 |    52,058
       .f |        0        546      2,742      1,209      1,135 |     5,632
-----------+-------------------------------------------------------+----------
    Total |   15,186     14,250     18,465     15,988     18,249 |    82,138
```

```
--------------------------------------------------------------------------------
madre_viva          in en:  Mother is alive
                    in es:  Madre está viva
--------------------------------------------------------------------------------

Mother is |        Wave of MHAS in which data were collected
    alive |   1.2001     2.2003     3.2012     4.2015     5.2018 |     Total
----------+----------------------------------------------------------+----------
     0.No |   10,860     10,436     11,687     11,673     12,721 |    57,377
    1.Yes |    4,185      3,224      3,958      3,076      4,365 |    18,808
       .d |      103         32         68         15         16 |       234
       .f |        0        546      2,742      1,209      1,135 |     5,632
       .i |       34          0          0         15          9 |        58
       .m |        0         11          0          0          0 |        11
       .r |        4          1         10          0          3 |        18
----------+----------------------------------------------------------+----------
    Total |   15,186     14,250     18,465     15,988     18,249 |    82,138


--------------------------------------------------------------------------------
padre_vivo          in en:  Father is alive
                    in es:  Padre está vivo
--------------------------------------------------------------------------------

Father is |        Wave of MHAS in which data were collected
    alive |   1.2001     2.2003     3.2012     4.2015     5.2018 |     Total
----------+----------------------------------------------------------+----------
     0.No |   12,603     11,943     13,421     13,184     14,561 |    65,712
    1.Yes |    2,249      1,635      2,022      1,495      2,389 |     9,790
       .d |      296        113        169         89        152 |       819
       .f |        0        546      2,742      1,209      1,135 |     5,632
       .i |       34          0          0         10          8 |        52
       .m |        0          9          0          0          0 |         9
       .r |        4          4        111          1          4 |       124
----------+----------------------------------------------------------+----------
    Total |   15,186     14,250     18,465     15,988     18,249 |    82,138


--------------------------------------------------------------------------------
hermanos_vivos      in en:  Number of living siblings
                    in es:  Número de hermanos vivos
--------------------------------------------------------------------------------

     Wave |        Obs       Mean    Std. Dev.       Min        Max
----------+-------------------------------------------------------------
     2001 |     14,826   4.714083    3.066866          0         21
     2003 |     13,413   4.642064     3.02535          0         21
     2012 |     14,383    5.00584    3.123156          0         24
     2015 |     13,474   4.912943    3.047642          0         23
     2018 |     15,568   5.141765    3.036746          0         24

Number of |
   living |        Wave of MHAS in which data were collected
  siblings |   1.2001     2.2003     3.2012     4.2015     5.2018 |     Total
----------+----------------------------------------------------------+----------
       .d |      290        234        135        193        143 |       995
       .f |        0        546      2,742      1,209      1,135 |     5,632
       .i |       34         23          0         39         16 |       112
       .m |        0          0          2          0          0 |         2
       .p |        0          0      1,172        929      1,328 |     3,429
       .r |       36         34         31        144         59 |       304
----------+----------------------------------------------------------+----------
```

```
         Total |        360         837       4,082       2,514       2,681 |     10,474


----------------------------------------------------------------------------------
n_hijos_vivos     in en:  Number of living children
                  in es:  Número de hijos vivos
----------------------------------------------------------------------------------


      Wave |        Obs        Mean    Std. Dev.         Min         Max
-----------+-----------------------------------------------------------
      2001 |     15,150    5.089505     3.05278           0          21
      2003 |     13,595      5.1516    3.057015           0          21
      2012 |     15,577    4.572832    2.841648           0          21
      2015 |     14,130    4.719816    2.655801           0          22
      2018 |     17,080    4.119731    2.631652           0          22

Number of |
   living |      Wave of MHAS in which data were collected
 children |    1.2001      2.2003      3.2012      4.2015      5.2018 |      Total
-----------+--------------------------------------------------------+----------
       .d |         29          35         135           7          23 |        229
       .f |          0         546       2,742       1,209       1,135 |      5,632
       .i |          0          67           0           0           0 |         67
       .r |          7           7          11           1          11 |         37
       .s |          0           0           0         641           0 |        641
-----------+--------------------------------------------------------+----------
    Total |         36         655       2,888       1,858       1,169 |      6,606


----------------------------------------------------------------------------------
hijos_vivos_gru   in en:  Number of living children (categorical)
                  in es:  Número de hijos vivos (categórico)
----------------------------------------------------------------------------------


  Number of |
    living |
  children |      Wave of MHAS in which data were collected
(categorical)|    1.2001      2.2003      3.2012      4.2015      5.2018 |      Total
------------+--------------------------------------------------------+----------
     0.  0 |        842         710         774          47         879 |      3,252
  1. 1 or 2 |      2,220       1,953       2,924       2,820       3,841 |     13,758
  2. 3 or 4 |      4,125       3,679       5,189       5,003       6,360 |     24,356
  3. 5 or 6 |      3,382       3,042       3,121       3,068       3,162 |     15,775
     4. 7+ |      4,581       4,211       3,569       3,192       2,838 |     18,391
       .d |         29          35         135           7          23 |        229
       .f |          0         546       2,742       1,209       1,135 |      5,632
       .i |          0          67           0           0           0 |         67
       .r |          7           7          11           1          11 |         37
       .s |          0           0           0         641           0 |        641
------------+--------------------------------------------------------+----------
    Total |     15,186      14,250      18,465      15,988      18,249 |     82,138


----------------------------------------------------------------------------------
nietos            in en:  Number of grandchildren
                  in es:  Número de nietos
----------------------------------------------------------------------------------


      Wave |        Obs        Mean    Std. Dev.         Min         Max
-----------+-----------------------------------------------------------
      2001 |     15,186    9.370473    10.39223           0          89
      2003 |     13,704    10.27445    10.48631           0          79
```

```
     2012 |       15,723    8.004834    8.534349             0            50
     2015 |       14,779    9.117126     8.78527             0            50
     2018 |       17,114    7.347143    8.069697             0            50

Number of |
grandchil- |  Wave of MHAS in which data were collected
    dren |    2.2003      3.2012      4.2015      5.2018 |      Total
----------+----------------------------------------------+----------
      .f |       546       2,742       1,209       1,135 |      5,632
----------+----------------------------------------------+----------
   Total |       546       2,742       1,209       1,135 |      5,632
```

```
--------------------------------------------------------------------------
hijo_en_hog      in en:  1+ children of interviewee/spouse live in household
                 in es:  Algún hijo reside en el hogar
--------------------------------------------------------------------------

   1+ children |
of interviewee |
  /spouse live |        Wave of MHAS in which data were collected
 in household |    1.2001      2.2003      3.2012      4.2015      5.2018 |      Total
---------------+------------------------------------------------------------+----------
        0.No |     3,686       2,954       3,135       3,873       8,082 |     21,730
        1.Yes |    10,760      10,177      11,938      10,356       8,214 |     51,445
          .f |         0         546       2,742       1,209       1,135 |      5,632
          .k |       740         573         650         550         818 |      3,331
---------------+------------------------------------------------------------+----------
       Total |    15,186      14,250      18,465      15,988      18,249 |     82,138
```

```
--------------------------------------------------------------------------
cuida_adulto     in en:  Use of time: Cares for sick or disabled adult
                 in es:  Uso del tiempo: Cuida a adulto enfermo o discapacitado
--------------------------------------------------------------------------

   Use of |
   time: |
Cares for |
  sick or |
 disabled |        Wave of MHAS in which data were collected
   adult |    1.2001      2.2003      3.2012      4.2015      5.2018 |      Total
----------+------------------------------------------------------------+----------
    0.No |         0           0      11,832      11,166      12,881 |     35,879
    1.Yes |         0           0       2,607       2,659       2,896 |      8,162
      .d |         0           0           2           1           2 |          5
      .f |         0         546       2,742       1,209       1,135 |      5,632
      .i |         0           0           0          23           0 |         23
      .p |         0           0       1,275         929       1,328 |      3,532
      .r |         0           0           7           1           7 |         15
      .w |    15,186      13,704           0           0           0 |     28,890
----------+------------------------------------------------------------+----------
   Total |    15,186      14,250      18,465      15,988      18,249 |     82,138
```

```
--------------------------------------------------------------------------
cuida_menor      in en:  Use of time: Cares for children under 12 years of age
                 in es:  Uso del tiempo: Cuida a niños menores de 12 años
--------------------------------------------------------------------------

   Use of |
   time: |
```

```
Cares for |
children |
under 12 |
years of |       Wave of MHAS in which data were collected
     age |   1.2001      2.2003      3.2012      4.2015      5.2018 |     Total
----------+-------------------------------------------------------+---------
    0.No |        0           0      10,506       9,995      11,442 |    31,943
   1.Yes |        0           0       3,937       3,827       4,335 |    12,099
      .d |        0           0           2           1           2 |         5
      .f |        0         546       2,742       1,209       1,135 |     5,632
      .i |        0           0           0          23           0 |        23
      .p |        0           0       1,275         929       1,328 |     3,532
      .r |        0           0           3           4           7 |        14
      .w |   15,186      13,704           0           0           0 |    28,890
----------+-------------------------------------------------------+---------
   Total |   15,186      14,250      18,465      15,988      18,249 |    82,138


-----------------------------------------------------------------------------
voluntario        in en:  Use of time: Does volunteer work
                  in es:  Uso del tiempo: Hace trabajo de voluntariado o apoyo
-----------------------------------------------------------------------------

    Use of |
time: Does |
 volunteer |       Wave of MHAS in which data were collected
      work |   1.2001      2.2003      3.2012      4.2015      5.2018 |     Total
----------+-------------------------------------------------------+---------
    0.No |        0           0      13,117      12,503      14,048 |    39,668
   1.Yes |        0           0       1,317       1,318       1,726 |     4,361
      .d |        0           0           2           2           2 |         6
      .f |        0         546       2,742       1,209       1,135 |     5,632
      .i |        0           0           0          23           0 |        23
      .p |        0           0       1,275         929       1,328 |     3,532
      .r |        0           0          12           4          10 |        26
      .w |   15,186      13,704           0           0           0 |    28,890
----------+-------------------------------------------------------+---------
   Total |   15,186      14,250      18,465      15,988      18,249 |    82,138


-----------------------------------------------------------------------------
asiste_cursos     in en:  Use of time: Attends training course, lecture, or
                          class
                  in es:  Uso del tiempo: Asiste a curso de capacitación,
                          plática informativa o clase
-----------------------------------------------------------------------------

    Use of |
     time: |
   Attends |
  training |
   course, |
  lecture, |       Wave of MHAS in which data were collected
  or class |   1.2001      2.2003      3.2012      4.2015      5.2018 |     Total
----------+-------------------------------------------------------+---------
    0.No |        0           0      12,064      11,751      13,754 |    37,569
   1.Yes |        0           0       2,373       2,064       2,020 |     6,457
      .d |        0           0           2           1           1 |         4
      .f |        0         546       2,742       1,209       1,135 |     5,632
      .i |        0           0           0          23           0 |        23
      .p |        0           0       1,275         929       1,328 |     3,532
      .r |        0           0           9          11          11 |        31
```

```
       .w |    15,186      13,704          0          0          0 |   28,890
----------+-------------------------------------------------------+----------
    Total |    15,186      14,250     18,465     15,988     18,249 |   82,138


-------------------------------------------------------------------------------
asiste_club        in en:  Use of time: Attends sport or social club
                   in es:  Uso del tiempo: Asiste a deportivo o club social
-------------------------------------------------------------------------------

   Use of |
    time: |
  Attends |
 sport or |
   social |          Wave of MHAS in which data were collected
     club |    1.2001      2.2003     3.2012     4.2015     5.2018 |    Total
----------+-------------------------------------------------------+----------
     0.No |         0           0     13,406     12,767     14,650 |   40,823
    1.Yes |         0           0      1,035      1,057      1,123 |    3,215
       .d |         0           0          2          1          1 |        4
       .f |         0         546      2,742      1,209      1,135 |    5,632
       .i |         0           0          0         23          0 |       23
       .p |         0           0      1,275        929      1,328 |    3,532
       .r |         0           0          5          2         12 |       19
       .w |    15,186      13,704          0          0          0 |   28,890
----------+-------------------------------------------------------+----------
    Total |    15,186      14,250     18,465     15,988     18,249 |   82,138


-------------------------------------------------------------------------------
lee                in en:  Use of time: Reads books, magazines, or periodicals
                   in es:  Uso del tiempo: Lee libro, revista o periódico
-------------------------------------------------------------------------------

     Use of |
      time: |
      Reads |
     books, |
 magazines, |
         or |
    periodi- |          Wave of MHAS in which data were collected
       cals |    1.2001      2.2003     3.2012     4.2015     5.2018 |    Total
----------+-------------------------------------------------------+----------
     0.No |         0           0      5,840      5,276      7,391 |   18,507
    1.Yes |         0           0      8,570      8,503      8,359 |   25,432
       .d |         0           0         37         47         23 |      107
       .f |         0         546      2,742      1,209      1,135 |    5,632
       .i |         0           0          0         23          0 |       23
       .p |         0           0      1,275        929      1,328 |    3,532
       .r |         0           0          1          1         13 |       15
       .w |    15,186      13,704          0          0          0 |   28,890
----------+-------------------------------------------------------+----------
    Total |    15,186      14,250     18,465     15,988     18,249 |   82,138


-------------------------------------------------------------------------------
cruci_rompe        in en:  Use of time: Does crosswords, jigsaw puzzles, number
                           games
                   in es:  Uso del tiempo: Hace crucigramas, rompecabezas, juegos
                           de números
-------------------------------------------------------------------------------
```

```
      Use of |
 time: Does |
     cross- |
     words, |
     jigsaw |
   puzzles, |
     number |        Wave of MHAS in which data were collected
      games |   1.2001     2.2003     3.2012     4.2015     5.2018 |    Total
 -----------+-------------------------------------------------------+----------
       0.No |        0          0     11,926     11,047     12,487 |   35,460
      1.Yes |        0          0      2,500      2,759      3,283 |    8,542
         .d |        0          0         15         14          8 |       37
         .f |        0        546      2,742      1,209      1,135 |    5,632
         .i |        0          0          0         23          0 |       23
         .p |        0          0      1,275        929      1,328 |    3,532
         .r |        0          0          7          7          8 |       22
         .w |   15,186     13,704          0          0          0 |   28,890
 -----------+-------------------------------------------------------+----------
      Total |   15,186     14,250     18,465     15,988     18,249 |   82,138


 -------------------------------------------------------------------------------
 juegos_mesa        in en:  Use of time: Plays tabletop games
                    in es:  Uso del tiempo: Juega juegos de mesa
 -------------------------------------------------------------------------------

      Use of |
      time: |
      Plays |
   tabletop |        Wave of MHAS in which data were collected
      games |   1.2001     2.2003     3.2012     4.2015     5.2018 |    Total
 -----------+-------------------------------------------------------+----------
       0.No |        0          0     12,090     11,620     13,142 |   36,852
      1.Yes |        0          0      2,335      2,195      2,623 |    7,153
         .d |        0          0          9          8          7 |       24
         .f |        0        546      2,742      1,209      1,135 |    5,632
         .i |        0          0          0         23          0 |       23
         .p |        0          0      1,275        929      1,328 |    3,532
         .r |        0          0         14          4         14 |       32
         .w |   15,186     13,704          0          0          0 |   28,890
 -----------+-------------------------------------------------------+----------
      Total |   15,186     14,250     18,465     15,988     18,249 |   82,138


 -------------------------------------------------------------------------------
 comu_telef_comp  in en:  Use of time: Talks on telephone, sends messages on
                          computer, or uses internet
                  in es:  Uso del tiempo: Habla por teléfono, envía mensajes por
                          computadora o usa Interne
 -------------------------------------------------------------------------------

      Use of |
      time: |
   Talks on |
 telephone, |
      sends |
   messages |
         on |
 computer, |
    or uses |        Wave of MHAS in which data were collected
   internet |   1.2001     2.2003     3.2012     4.2015     5.2018 |    Total
 -----------+-------------------------------------------------------+----------
```

```
       0.No |         0          0      4,495      3,035      3,213 |    10,743
       1.Yes |         0          0      9,945     10,781     12,564 |    33,290
         .d |         0          0          3          9          3 |        15
         .f |         0        546      2,742      1,209      1,135 |     5,632
         .i |         0          0          0         23          0 |        23
         .p |         0          0      1,275        929      1,328 |     3,532
         .r |         0          0          5          2          6 |        13
         .w |    15,186     13,704          0          0          0 |    28,890
----------+-------------------------------------------------------+----------
      Total |    15,186     14,250     18,465     15,988     18,249 |    82,138


----------------------------------------------------------------------------
act_mant              in en:   Use of time: Does household maintenance activities
                      in es:   Uso del tiempo: Hace actividades de mantenimiento del
                               hogar
----------------------------------------------------------------------------

    Use of |
time: Does |
 household |
  mainte-  |
    nance  |          Wave of MHAS in which data were collected
activities |    1.2001     2.2003     3.2012     4.2015     5.2018 |     Total
----------+-------------------------------------------------------+----------
       0.No |         0          0      6,560      5,385      6,775 |    18,720
       1.Yes |         0          0      7,879      8,436      8,997 |    25,312
         .d |         0          0          2          2          2 |         6
         .f |         0        546      2,742      1,209      1,135 |     5,632
         .i |         0          0          0         23          0 |        23
         .p |         0          0      1,275        929      1,328 |     3,532
         .r |         0          0          7          4         12 |        23
         .w |    15,186     13,704          0          0          0 |    28,890
----------+-------------------------------------------------------+----------
      Total |    15,186     14,250     18,465     15,988     18,249 |    82,138


----------------------------------------------------------------------------
ve_tv                 in en:   Use of time: Watches television
                      in es:   Uso del tiempo: Ve la televisión
----------------------------------------------------------------------------

    Use of |
     time: |
   Watches |          Wave of MHAS in which data were collected
television |    1.2001     2.2003     3.2012     4.2015     5.2018 |     Total
----------+-------------------------------------------------------+----------
       0.No |         0          0      1,296      1,172      2,141 |     4,609
       1.Yes |         0          0     13,147     12,651     13,636 |    39,434
         .d |         0          0          2          2          1 |         5
         .f |         0        546      2,742      1,209      1,135 |     5,632
         .i |         0          0          0         23          0 |        23
         .p |         0          0      1,275        929      1,328 |     3,532
         .r |         0          0          3          2          8 |        13
         .w |    15,186     13,704          0          0          0 |    28,890
----------+-------------------------------------------------------+----------
      Total |    15,186     14,250     18,465     15,988     18,249 |    82,138
```

```
--------------------------------------------------------------------------------
cose              in en:  Use of time: Sews, embroiders, weaves, or does other
                          handicrafts
                  in es:  Uso del tiempo: Cose, borda, teje o realiza otras
                          manualidades
--------------------------------------------------------------------------------

   Use of |
    time: |
Sews, em- |
broiders, |
weaves, or |
does other |
   handi- |      Wave of MHAS in which data were collected
   crafts | 1.2001    2.2003    3.2012    4.2015    5.2018 |    Total
----------+--------------------------------------------------+----------
   0.No |       0         0    10,245     9,928    11,643 |   31,816
   1.Yes |      0         0     4,197     3,897     4,127 |   12,221
     .d |        0         0         3         1         2 |        6
     .f |        0       546     2,742     1,209     1,135 |    5,632
     .i |        0         0         0        23         0 |       23
     .p |        0         0     1,275       929     1,328 |    3,532
     .r |        0         0         3         1        14 |       18
     .w |   15,186    13,704         0         0         0 |   28,890
----------+--------------------------------------------------+----------
  Total |   15,186    14,250    18,465    15,988    18,249 |   82,138


--------------------------------------------------------------------------------
compras           in en:  Use of time: Makes purchases
                  in es:  Uso del tiempo: Hace compras
--------------------------------------------------------------------------------

   Use of |
    time: |
    Makes |      Wave of MHAS in which data were collected
purchases | 1.2001    2.2003    3.2012    4.2015    5.2018 |    Total
----------+--------------------------------------------------+----------
   0.No |        0         0         0         0     3,653 |    3,653
   1.Yes |       0         0         0         0    12,124 |   12,124
     .d |        0         0         0         0         1 |        1
     .f |        0       546     2,742     1,209     1,135 |    5,632
     .p |        0         0         0         0     1,328 |    1,328
     .r |        0         0         0         0         8 |        8
     .w |   15,186    13,704    15,723    14,779         0 |   59,392
----------+--------------------------------------------------+----------
  Total |   15,186    14,250    18,465    15,988    18,249 |   82,138


--------------------------------------------------------------------------------
med_farm          in en:  Use of time: Visits doctor or pharmacies
                  in es:  Uso del tiempo: Visita al médico o a farmacias
--------------------------------------------------------------------------------

   Use of |
    time: |
   Visits |
doctor or |      Wave of MHAS in which data were collected
pharmacies | 1.2001    2.2003    3.2012    4.2015    5.2018 |    Total
----------+--------------------------------------------------+----------
   0.No |        0         0         0         0     7,447 |    7,447
   1.Yes |       0         0         0         0     8,317 |    8,317
```

```
       .d |         0          0          0          0          5 |          5
       .f |         0        546      2,742      1,209      1,135 |      5,632
       .p |         0          0          0          0      1,328 |      1,328
       .r |         0          0          0          0         17 |         17
       .w |    15,186     13,704     15,723     14,779          0 |     59,392
----------+-------------------------------------------------------+----------
    Total |    15,186     14,250     18,465     15,988     18,249 |     82,138


-------------------------------------------------------------------------------
salud_glob           in en:   Self-report of global health
                     in es:   Auto-reporte de salud global
-------------------------------------------------------------------------------

Self-report |
  of global |          Wave of MHAS in which data were collected
     health |     1.2001     2.2003     3.2012     4.2015     5.2018 |      Total
------------+-------------------------------------------------------+----------
1.Excellent |        271        189        363        342        445 |      1,610
2.Very good |        627        396        646        465        796 |      2,930
     3.Good |      4,495      3,559      4,303      3,710      4,670 |     20,737
     4.Fair |      6,585      6,204      7,316      7,347      8,381 |     35,833
     5.Poor |      2,169      2,173      1,817      1,983      1,491 |      9,633
        .d |          1          4          1          3          1 |         10
        .f |          0        546      2,742      1,209      1,135 |      5,632
        .i |          4          0          0          0          0 |          4
        .p |      1,032      1,178      1,275        929      1,328 |      5,742
        .r |          2          1          2          0          2 |          7
------------+-------------------------------------------------------+----------
    Total |    15,186     14,250     18,465     15,988     18,249 |     82,138


-------------------------------------------------------------------------------
hipertension         in en:   Doctor/medical personnel has told R that R has
                              hypertension/high blood pressure
                     in es:   Alguna vez le han dicho que tiene hipertensión/presión
                              arterial alta
-------------------------------------------------------------------------------

Doctor/me- |
dical per-  |
sonnel has  |
    told R  |
that R has  |
 hyperten-  |
 sion/high  |
     blood  |          Wave of MHAS in which data were collected
  pressure  |     1.2001     2.2003     3.2012     4.2015     5.2018 |      Total
------------+-------------------------------------------------------+----------
     0.No   |      9,153      7,224      8,967      7,757      9,657 |     42,758
     1.Yes  |      5,551      6,474      6,716      6,999      7,436 |     33,176
        .d  |         45          6         37         20         17 |        125
        .f  |          0        546      2,742      1,209      1,135 |      5,632
        .i  |          4          0          0          0          0 |          4
        .r  |         38          0          3          3          4 |         48
        .s  |        395          0          0          0          0 |        395
------------+-------------------------------------------------------+----------
    Total |    15,186     14,250     18,465     15,988     18,249 |     82,138
```

```
--------------------------------------------------------------------------------
diabetes            in en:  Doctor/medical personnel has told R that R has
                            diabetes
                    in es:  Alguna vez le han dicho que tiene diabetes
--------------------------------------------------------------------------------

Doctor/me- |
    dical |
 personnel |
has told R |
that R has |       Wave of MHAS in which data were collected
  diabetes |   1.2001     2.2003     3.2012     4.2015     5.2018 |     Total
-----------+-----------------------------------------------------+----------
    0.No |   12,437     11,099     12,164     11,112     12,891 |   59,703
    1.Yes |    2,284      2,591      3,525      3,647      4,193 |   16,240
      .d |       33         14         29         16         26 |      118
      .f |        0        546      2,742      1,209      1,135 |    5,632
      .i |        4          0          0          0          0 |        4
      .r |       33          0          5          4          4 |       46
      .s |      395          0          0          0          0 |      395
-----------+-----------------------------------------------------+----------
   Total |   15,186     14,250     18,465     15,988     18,249 |   82,138


--------------------------------------------------------------------------------
enf_pulm            in en:  Doctor/medical personnel has told R that R has
                            respiratory illness
                    in es:  Alguna vez le han dicho que tiene enfermedad pulmonar
--------------------------------------------------------------------------------

Doctor/me- |
    dical |
 personnel |
has told R |
that R has |
respirato- |       Wave of MHAS in which data were collected
ry illness |   1.2001     2.2003     3.2012     4.2015     5.2018 |     Total
-----------+-----------------------------------------------------+----------
    0.No |   13,828     12,539     14,774     13,840     16,096 |   71,077
    1.Yes |      914      1,159        921        929      1,005 |    4,928
      .d |       14          6         25          6          7 |       58
      .f |        0        546      2,742      1,209      1,135 |    5,632
      .i |        4          0          0          0          0 |        4
      .r |       31          0          3          4          6 |       44
      .s |      395          0          0          0          0 |      395
-----------+-----------------------------------------------------+----------
   Total |   15,186     14,250     18,465     15,988     18,249 |   82,138


--------------------------------------------------------------------------------
artritis            in en:  Doctor/medical personnel has told R that R has
                            arthritis
                    in es:  Alguna vez le han dicho que tiene artritis
--------------------------------------------------------------------------------

Doctor/me- |
    dical |
 personnel |
has told R |
that R has |       Wave of MHAS in which data were collected
 arthritis |   1.2001     2.2003     3.2012     4.2015     5.2018 |     Total
-----------+-----------------------------------------------------+----------
```

```
      0.No |    11,846      9,919     13,565     12,525     15,058 |    62,913
     1.Yes |     2,881      3,781      2,126      2,231      2,034 |    13,053
        .d |        27          4         27         16         17 |        91
        .f |         0        546      2,742      1,209      1,135 |     5,632
        .i |         4          0          0          1          0 |         5
        .r |        33          0          5          6          5 |        49
        .s |       395          0          0          0          0 |       395
-----------+-------------------------------------------------------+----------
     Total |    15,186     14,250     18,465     15,988     18,249 |    82,138
```

```
--------------------------------------------------------------------------------
infarto              in en:  Doctor/medical personnel has told R that R has had
                             heart attack
                     in es:  Alguna vez le han dicho que ha tenido ataque/infarto
                             al corazón
--------------------------------------------------------------------------------
```

```
Doctor/me- |
     dical |
 personnel |
has told R |
that R has |
 had heart |        Wave of MHAS in which data were collected
    attack |    1.2001     2.2003     3.2012     4.2015     5.2018 |     Total
-----------+-------------------------------------------------------+----------
      0.No |    14,239     13,063     15,128     14,188     16,428 |    73,046
     1.Yes |       488        635        572        579        674 |     2,948
        .d |        24          5         16          9          7 |        61
        .f |         0        546      2,742      1,209      1,135 |     5,632
        .i |         4          0          0          1          0 |         5
        .r |        36          1          7          2          5 |        51
        .s |       395          0          0          0          0 |       395
-----------+-------------------------------------------------------+----------
     Total |    15,186     14,250     18,465     15,988     18,249 |    82,138
```

```
--------------------------------------------------------------------------------
embolia              in en:  Doctor/medical personnel has told R that R has had
                             stroke
                     in es:  Alguna vez le han dicho que ha tenido embolia cerebral
--------------------------------------------------------------------------------
```

```
Doctor/me- |
     dical |
 personnel |
has told R |
that R has |        Wave of MHAS in which data were collected
 had stroke |   1.2001     2.2003     3.2012     4.2015     5.2018 |     Total
-----------+-------------------------------------------------------+----------
      0.No |    14,339     13,272     15,337     14,408     16,668 |    74,024
     1.Yes |       391        430        369        356        437 |     1,983
        .d |        18          2         13         10          5 |        48
        .f |         0        546      2,742      1,209      1,135 |     5,632
        .i |         4          0          0          1          0 |         5
        .r |        39          0          4          4          4 |        51
        .s |       395          0          0          0          0 |       395
-----------+-------------------------------------------------------+----------
     Total |    15,186     14,250     18,465     15,988     18,249 |    82,138
```

```
--------------------------------------------------------------------------------
cancer            in en:  Doctor/medical personnel has told R that R has cancer
                  in es:  Alguna vez le han dicho que ha tenido cáncer
--------------------------------------------------------------------------------

Doctor/me- |
     dical |
 personnel |
has told R |
that R has |       Wave of MHAS in which data were collected
    cancer |  1.2001     2.2003     3.2012     4.2015     5.2018 |     Total
-----------+-------------------------------------------------------+----------
    0.No   |  14,434     13,379     15,354     14,393     16,636 |    74,196
    1.Yes  |     299        316        342        370        462 |     1,789
       .d  |      22          9         22         14         12 |        79
       .f  |       0        546      2,742      1,209      1,135 |     5,632
       .i  |       4          0          0          0          0 |         4
       .r  |      32          0          5          2          4 |        43
       .s  |     395          0          0          0          0 |       395
-----------+-------------------------------------------------------+----------
    Total  |  15,186     14,250     18,465     15,988     18,249 |    82,138


--------------------------------------------------------------------------------
n_enf             in en:   Number of chronic illnesses
                  in es:   Número de enfermedades crónicas
--------------------------------------------------------------------------------

Number of |
  chronic |       Wave of MHAS in which data were collected
illnesses |  1.2001     2.2003     3.2012     4.2015     5.2018 |     Total
-----------+-------------------------------------------------------+----------
        0 |   6,292      4,538      6,307      5,148      6,877 |    29,162
        1 |   5,010      4,719      5,326      4,940      5,591 |    25,586
        2 |   2,393      3,025      2,950      3,109      3,348 |    14,825
        3 |     741      1,113        831      1,042      1,002 |     4,729
        4 |     141        264        154        311        193 |     1,063
        5 |      22         42         30         82         23 |       199
        6 |       1          2          1         11          2 |        17
        7 |       0          0          0          1          0 |         1
       .d |     116          0         92        101         63 |       372
       .f |       0        546      2,742      1,209      1,135 |     5,632
       .i |       4          0          0          1          0 |         5
       .r |      71          1         32         33         15 |       152
       .s |     395          0          0          0          0 |       395
-----------+-------------------------------------------------------+----------
    Total |  15,186     14,250     18,465     15,988     18,249 |    82,138


--------------------------------------------------------------------------------
enf_cat           in en:   Number of chronic illnesses (categorical)
                  in es:   Número de enfermedades crónicas (categórica)
--------------------------------------------------------------------------------

     Number of |
       chronic |
     illnesses |       Wave of MHAS in which data were collected
  (categorical)|  1.2001     2.2003     3.2012     4.2015     5.2018 |     Total
---------------+-------------------------------------------------------+----------
       0. None |   6,292      4,538      6,307      5,148      6,877 |    29,162
 1. One illness |   5,010      4,719      5,326      4,940      5,591 |    25,586
2. 2+ illnesses |   3,298      4,446      3,966      4,556      4,568 |    20,834
```

```
         .d |       116          0         92        101         63 |       372
         .f |         0        546      2,742      1,209      1,135 |     5,632
         .i |         4          0          0          1          0 |                5
         .r |        71          1         32         33         15 |       152
         .s |       395          0          0          0          0 |       395
------------+-------------------------------------------------------+---------
      Total |    15,186     14,250     18,465     15,988     18,249 |    82,138
```

---

deprimido   in en: During the past week: Has felt depressed
                  in es: Durante la semana pasada: Se ha sentido deprimido

---

```
During the |
past week: |
  Has felt |         Wave of MHAS in which data were collected
 depressed |    1.2001     2.2003     3.2012     4.2015     5.2018 |     Total
-----------+-------------------------------------------------------+---------
      0.No |     8,723      7,596      9,416      9,302     10,705 |    45,742
     1.Yes |     5,284      4,907      5,011      4,528      5,065 |    24,795
        .d |        87         17         13         10          8 |       135
        .f |         0        546      2,742      1,209      1,135 |     5,632
        .i |         4          0          0          3          0 |         7
        .p |     1,032      1,178      1,275        929      1,328 |     5,742
        .r |        56          6          8          7          8 |        85
-----------+-------------------------------------------------------+---------
     Total |    15,186     14,250     18,465     15,988     18,249 |    82,138
```

---

esfuerzo   in en: During the past week: Has felt that everything they
                          did was an effort
                  in es: Durante la semana pasada: Ha sentido que todo lo que
                          hacía era esfuerzo

```
During the |
past week: |
  Has felt |
      that |
everything |
  they did |
    was an |         Wave of MHAS in which data were collected
    effort |    1.2001     2.2003     3.2012     4.2015     5.2018 |     Total
-----------+-------------------------------------------------------+---------
      0.No |     8,896      7,942      9,304      8,886     10,580 |    45,608
     1.Yes |     5,088      4,568      5,122      4,947      5,181 |    24,906
        .d |        85         11         15          7         13 |       131
        .f |         0        546      2,742      1,209      1,135 |     5,632
        .i |         4          0          0          3          0 |         7
        .p |     1,032      1,178      1,275        929      1,328 |     5,742
        .r |        81          5          7          7         12 |       112
-----------+-------------------------------------------------------+---------
     Total |    15,186     14,250     18,465     15,988     18,249 |    82,138
```

```
-------------------------------------------------------------------------
intranquilo      in en:  During the past week: Has felt that their sleep was
                         restless
                 in es:  Durante la semana pasada: Ha sentido que su sueño era
                         intranquilo
-------------------------------------------------------------------------

During the |
past week: |
  Has felt |
that their |
 sleep was |      Wave of MHAS in which data were collected
  restless |   1.2001     2.2003     3.2012     4.2015     5.2018 |     Total
-----------+-------------------------------------------------------+---------
     0.No |    8,898      7,620      8,391      8,002      9,218 |    42,129
    1.Yes |    5,136      4,893      6,042      5,841      6,551 |    28,463
       .d |       60          7          7          3          5 |        82
       .f |        0        546      2,742      1,209      1,135 |     5,632
       .i |        4          0          0          3          0 |         7
       .p |    1,032      1,178      1,275        929      1,328 |     5,742
       .r |       56          6          8          1         12 |        83
-----------+-------------------------------------------------------+---------
   Total |   15,186     14,250     18,465     15,988     18,249 |    82,138


-------------------------------------------------------------------------
feliz            in en:  During the past week: Has felt happy
                 in es:  Durante la semana pasada: Se ha sentido feliz
-------------------------------------------------------------------------

During the |
past week: |
  Has felt |      Wave of MHAS in which data were collected
     happy |   1.2001     2.2003     3.2012     4.2015     5.2018 |     Total
-----------+-------------------------------------------------------+---------
     0.No |    3,437      3,382      2,923      2,606      3,064 |    15,412
    1.Yes |   10,559      9,095     11,492     11,208     12,678 |    55,032
       .d |       80         35         19         18         18 |       170
       .f |        0        546      2,742      1,209      1,135 |     5,632
       .i |        4          0          0          3          0 |         7
       .p |    1,032      1,178      1,275        929      1,328 |     5,742
       .r |       74         14         14         15         26 |       143
-----------+-------------------------------------------------------+---------
   Total |   15,186     14,250     18,465     15,988     18,249 |    82,138


-------------------------------------------------------------------------
solo             in en:  During the past week: Has felt lonely
                 in es:  Durante la semana pasada: Se ha sentido solo
-------------------------------------------------------------------------

During the |
past week: |
  Has felt |      Wave of MHAS in which data were collected
    lonely |   1.2001     2.2003     3.2012     4.2015     5.2018 |     Total
-----------+-------------------------------------------------------+---------
     0.No |    9,407      8,409     10,086      9,648     11,153 |    48,703
    1.Yes |    4,605      4,096      4,351      4,191      4,606 |    21,849
       .d |       68         15          3          4         12 |       102
       .f |        0        546      2,742      1,209      1,135 |     5,632
       .i |        4          0          0          3          0 |         7
       .p |    1,032      1,178      1,275        929      1,328 |     5,742
```

```
          .r |        70           6           8           4          15 |       103
-----------+-------------------------------------------------------------+----------
     Total |    15,186      14,250      18,465      15,988      18,249 |    82,138


-------------------------------------------------------------------------------------
disf_vida            in en:   During the past week: Has felt that they enjoyed life
                     in es:   Durante la semana pasada: Ha sentido que disfrutaba de
                              la vida
-------------------------------------------------------------------------------------

During the |
past week: |
  Has felt |
 that they |
   enjoyed |      Wave of MHAS in which data were collected
      life |    1.2001      2.2003      3.2012      4.2015      5.2018 |     Total
-----------+-------------------------------------------------------------+----------
      0.No |     3,975       3,954       3,296       2,888       3,429 |    17,542
     1.Yes |     9,943       8,510      11,117      10,913      12,306 |    52,789
        .d |       128          44          15          31          31 |       249
        .f |         0         546       2,742       1,209       1,135 |     5,632
        .i |         4           0           0           3           0 |         7
        .p |     1,032       1,178       1,275         929       1,328 |     5,742
        .r |       104          18          20          15          20 |       177
-----------+-------------------------------------------------------------+----------
     Total |    15,186      14,250      18,465      15,988      18,249 |    82,138


-------------------------------------------------------------------------------------
triste               in en:   During the past week: Has felt sad
                     in es:   Durante la semana pasada: Se ha sentido triste
-------------------------------------------------------------------------------------

During the |
past week: |
  Has felt |      Wave of MHAS in which data were collected
       sad |    1.2001      2.2003      3.2012      4.2015      5.2018 |     Total
-----------+-------------------------------------------------------------+----------
      0.No |     8,423       7,423       8,594       8,370       9,691 |    42,501
     1.Yes |     5,583       5,091       5,839       5,465       6,069 |    28,047
        .d |        75           7           4           9           8 |       103
        .f |         0         546       2,742       1,209       1,135 |     5,632
        .i |         4           0           0           4           0 |         8
        .p |     1,032       1,178       1,275         929       1,328 |     5,742
        .r |        69           5          11           2          18 |       105
-----------+-------------------------------------------------------------+----------
     Total |    15,186      14,250      18,465      15,988      18,249 |    82,138


-------------------------------------------------------------------------------------
cansado              in en:   During the past week: Has felt tired
                     in es:   Durante la semana pasada: Se ha sentido cansado
-------------------------------------------------------------------------------------

During the |
past week: |
  Has felt |      Wave of MHAS in which data were collected
     tired |    1.2001      2.2003      3.2012      4.2015      5.2018 |     Total
-----------+-------------------------------------------------------------+----------
      0.No |     5,665       5,331       5,906       5,536       6,602 |    29,040
     1.Yes |     8,347       7,184       8,534       8,308       9,165 |    41,538
```

```
            .d |        72          7          5          1          7 |        92
            .f |         0        546      2,742      1,209      1,135 |     5,632
            .i |         4          0          0          4          0 |         8
            .p |     1,032      1,178      1,275        929      1,328 |     5,742
            .r |        66          4          3          1         12 |        86
    -----------+-------------------------------------------------------+---------
         Total |    15,186     14,250     18,465     15,988     18,249 |    82,138
```

----
energia   in en: During the past week: Has felt that they had a lot of
                            energy
                   in es: Durante la semana pasada: Ha sentido que tenía mucha
                            energía

During the past week: Has felt that they had a lot of energy	Wave of MHAS in which data were collected					Total
	1.2001	2.2003	3.2012	4.2015	5.2018	
0.No	7,770	7,512	7,479	7,298	8,433	38,492
1.Yes	6,168	4,958	6,940	6,531	7,305	31,902
.d	122	42	11	9	27	211
.f	0	546	2,742	1,209	1,135	5,632
.i	4	0	0	4	0	8
.p	1,032	1,178	1,275	929	1,328	5,742
.r	90	14	18	8	21	151
Total	15,186	14,250	18,465	15,988	18,249	82,138

----
n_sint_depr   in en: Number of CES-D depressive symptoms (0-9)
                   in es: Número de síntomas depresivos CES-D (0-9)

Wave	Obs	Mean	Std. Dev.	Min	Max
2001	13,911	3.501833	2.665051	0	9
2003	12,475	3.638156	2.705683	0	9
2012	14,327	3.365185	2.641888	0	9
2015	13,792	3.327944	2.644198	0	9
2018	15,716	3.268071	2.603769	0	9

Number of CES-D depressive symptoms (0-9)	Wave of MHAS in which data were collected					Total
	1.2001	2.2003	3.2012	4.2015	5.2018	
.d	53	3	60	1	4	121
.f	0	546	2,742	1,209	1,135	5,632
.i	4	0	0	4	0	8
.p	1,032	1,178	1,275	929	1,328	5,742
.r	186	48	61	53	66	414
Total	1,275	1,775	4,138	2,196	2,533	11,917

```
--------------------------------------------------------------------------------
cesd_deprimido   in en:  Has 5+ CES-D depressive symptoms
                 in es:  Tiene 5+ síntomas depresivos CES-D
--------------------------------------------------------------------------------

    Has 5+ |
    CES-D |
 depressive |        Wave of MHAS in which data were collected
   symptoms |   1.2001     2.2003     3.2012     4.2015     5.2018 |     Total
-----------+-------------------------------------------------------+----------
      0.No |    9,128      7,988      9,720      9,532     11,056 |    47,424
     1.Yes |    4,783      4,487      4,607      4,260      4,660 |    22,797
        .d |       53          3         60          1          4 |       121
        .f |        0        546      2,742      1,209      1,135 |     5,632
        .i |        4          0          0          4          0 |         8
        .p |    1,032      1,178      1,275        929      1,328 |     5,742
        .r |      186         48         61         53         66 |       414
-----------+-------------------------------------------------------+----------
     Total |   15,186     14,250     18,465     15,988     18,249 |    82,138


--------------------------------------------------------------------------------
visita_medica    in en:  Last 12 months: Had visits to doctor (at least one)
                 in es:  Últimos 12 meses: Tuvo visitas al médico (al menos
                         una)
--------------------------------------------------------------------------------

   Last 12 |
   months: |
Had visits |
 to doctor |
 (at least |        Wave of MHAS in which data were collected
      one) |   1.2001     2.2003     3.2012     4.2015     5.2018 |     Total
-----------+-------------------------------------------------------+----------
      0.No |    5,415      4,592      4,237      2,998      4,744 |    21,986
     1.Yes |    9,704      9,063     11,456     11,752     12,287 |    54,262
        .d |       46         46         29         13         26 |       160
        .f |        0        546      2,742      1,209      1,135 |     5,632
        .i |       10          3          0         16          0 |        29
        .r |       11          0          1          0         57 |        69
-----------+-------------------------------------------------------+----------
     Total |   15,186     14,250     18,465     15,988     18,249 |    82,138


--------------------------------------------------------------------------------
hospitalizacion  in en:  Last 12 months: Was hospitalized (at least one night)
                 in es:  Últimos 12 meses: Estuvo hospitalizado (al menos una
                         noche)
--------------------------------------------------------------------------------

   Last 12 |
   months: |
       Was |
  hospita- |
 lized (at |
 least one |        Wave of MHAS in which data were collected
    night) |   1.2001     2.2003     3.2012     4.2015     5.2018 |     Total
-----------+-------------------------------------------------------+----------
      0.No |   13,681     12,147     13,920     12,698     14,714 |    67,160
     1.Yes |    1,469      1,548      1,789      2,055      2,332 |     9,193
        .d |       14          6         13         10         18 |        61
        .f |        0        546      2,742      1,209      1,135 |     5,632
```

```
          .i |        10           3           0          16           0 |        29
          .r |        12           0           1           0          50 |        63
  -----------+-------------------------------------------------------------+----------
       Total |    15,186      14,250      18,465      15,988      18,249 |    82,138


  -------------------------------------------------------------------------------
  n_abvd_wh           in en:  Number of limitations with ADL's in Wallace & Herzog
                              index (0-3)
                      in es:  Número de limitaciones con ABVDs del índice de Wallace
                              y Herzog (0-3)
  -------------------------------------------------------------------------------

  Number of |
   limita-  |
  tions with|
   ADL's in |
   Wallace &|
     Herzog |
      index |          Wave of MHAS in which data were collected
      (0-3) |     1.2001      2.2003      3.2012      4.2015      5.2018 |     Total
  -----------+-------------------------------------------------------------+----------
          0 |    13,043      11,603      12,853      12,025      13,963 |    63,487
          1 |       748         612       1,206       1,216       1,266 |     5,048
          2 |       199         177         264         392         379 |     1,411
          3 |       123         109         123         171         154 |       680
         .d |         1           0           1           5           0 |         7
         .f |         0         546       2,742       1,209       1,135 |     5,632
         .m |        38          25           0          40          17 |       120
         .p |     1,032       1,178       1,275         929       1,328 |     5,742
         .r |         2           0           1           1           7 |        11
  -----------+-------------------------------------------------------------+----------
       Total |    15,186      14,250      18,465      15,988      18,249 |    82,138


  -------------------------------------------------------------------------------
  n_abvd              in en:  Number of limitations with ADL's (0-5)
                      in es:  Número de limitaciones con ABVDs (0-5)
  -------------------------------------------------------------------------------

  Number of |
   limita-  |
  tions with|
     ADL's  |          Wave of MHAS in which data were collected
      (0-5) |     1.2001      2.2003      3.2012      4.2015      5.2018 |     Total
  -----------+-------------------------------------------------------------+----------
          0 |    13,658      12,447      13,350      12,296      14,703 |    66,454
          1 |       539         537       1,179       1,181       1,021 |     4,457
          2 |       257         225         478         467         469 |     1,896
          3 |       172         138         240         254         268 |     1,072
          4 |       147         139         186         260         255 |       987
          5 |       169         155         195         222         256 |       997
         .d |        45           0          33           6           6 |        90
         .f |         0         546       2,742       1,209       1,135 |     5,632
         .i |        40          28           0          40          18 |       126
         .m |         0          19           0           0           0 |        19
         .r |       149           5           4           1          89 |       248
         .x |        10          11          58          52          29 |       160
  -----------+-------------------------------------------------------------+----------
       Total |    15,186      14,250      18,465      15,988      18,249 |    82,138
```

```
--------------------------------------------------------------------------------
abvd_gru          in en:  Number of limitations with ADL's (categorical)
                  in es:  Número de limitaciones con ABVDs (categórica)
--------------------------------------------------------------------------------

      Number of |
limitations with |
          ADL's |      Wave of MHAS in which data were collected
    (categorical) |   1.2001     2.2003     3.2012     4.2015     5.2018 |    Total
-----------------+----------------------------------------------------------+----------
0. No limitations |   13,658     12,447     13,350     12,296     14,703 |    66,454
  1. 1 limitation |      539        537      1,179      1,181      1,021 |     4,457
 2. 2 limitations |      257        225        478        467        469 |     1,896
 3. 3+ limitations |      488        432        621        736        779 |     3,056
              .d |       45          0         33          6          6 |        90
              .f |        0        546      2,742      1,209      1,135 |     5,632
              .i |       40         28          0         40         18 |       126
              .m |        0         19          0          0          0 |        19
              .r |      149          5          4          1         89 |       248
              .x |       10         11         58         52         29 |       160
-----------------+----------------------------------------------------------+----------
          Total |   15,186     14,250     18,465     15,988     18,249 |    82,138


--------------------------------------------------------------------------------
n_aivd            in en:  Number of limitations with IADL's (0-4)
                  in es:  Número de limitaciones con AIVDs (0-4)
--------------------------------------------------------------------------------

    Number of |
  limitations |
 with IADL's |      Wave of MHAS in which data were collected
        (0-4) |   1.2001     2.2003     3.2012     4.2015     5.2018 |    Total
-------------+----------------------------------------------------------+----------
            0 |   12,895     10,865     12,118     12,007     13,851 |    61,736
            1 |      535        428        823      1,032        669 |     3,487
            2 |      259        168        328        405        407 |     1,567
            3 |      117         78        155        207        146 |       703
            4 |      146        124        119        145        128 |       662
           .d |       15          0          1          9          4 |        29
           .f |        0        546      2,742      1,209      1,135 |     5,632
           .i |       38         25          0         40         17 |       120
           .p |    1,032      1,178      1,275        929      1,328 |     5,742
           .r |       44          2          3          1         14 |        64
           .x |      105        836        901          4        550 |     2,396
-------------+----------------------------------------------------------+----------
        Total |   15,186     14,250     18,465     15,988     18,249 |    82,138


--------------------------------------------------------------------------------
aivd_gru          in en:  Number of limitations with IADL's (categorical)
                  in es:  Número de limitaciones con AIVDs (categórica)
--------------------------------------------------------------------------------

      Number of |
limitations with |
          IADL's |      Wave of MHAS in which data were collected
    (categorical) |   1.2001     2.2003     3.2012     4.2015     5.2018 |    Total
-----------------+----------------------------------------------------------+----------
0. No limitations |   12,895     10,865     12,118     12,007     13,851 |    61,736
  1. 1 limitation |      535        428        823      1,032        669 |     3,487
 2. 2 limitations |      259        168        328        405        407 |     1,567
```

```
3. 3+ limitations |       263        202        274        352        274 |      1,365
             .d |        15          0          1          9          4 |                   29
             .f |         0        546      2,742      1,209      1,135 |      5,632
             .i |        38         25          0         40         17 |                  120
             .p |     1,032      1,178      1,275        929      1,328 |      5,742
             .r |        44          2          3          1         14 |                   64
             .x |       105        836        901          4        550 |      2,396
----------------+--------------------------------------------------+----------
         Total |    15,186     14,250     18,465     15,988     18,249 |     82,138


--------------------------------------------------------------------------------
n_mov                in en:  Number of limitations with mobility (0-5)
                     in es:  Número de limitaciones con movilidad (0-5)
--------------------------------------------------------------------------------

Number of |
  limita- |
tions with |
  mobility |     Wave of MHAS in which data were collected
     (0-5) |    1.2001     2.2003     3.2012     4.2015     5.2018 |     Total
----------+--------------------------------------------------+---------
        0 |     8,037      7,259      7,834      6,946      8,694 |    38,770
        1 |     2,335      2,021      2,196      2,290      2,336 |    11,178
        2 |     1,640      1,361      1,880      1,847      1,895 |     8,623
        3 |       922        774      1,042      1,147      1,040 |     4,925
        4 |       802        708        960        961      1,147 |     4,578
        5 |       377        377        534        610        654 |     2,552
       .d |         1          0          1          5          0 |         7
       .f |         0        546      2,742      1,209      1,135 |     5,632
       .m |        38         25          0         40         17 |       120
       .p |     1,032      1,178      1,275        929      1,328 |     5,742
       .r |         1          0          1          1          3 |         6
       .x |         1          1          0          3          0 |         5
----------+--------------------------------------------------+---------
    Total |    15,186     14,250     18,465     15,988     18,249 |    82,138


--------------------------------------------------------------------------------
n_img                in en:  Number of limitations with large muscles index
                             activities (0-4)
                     in es:  Número de limitaciones con actividades del índice
                             músculos grandes (0-4)
--------------------------------------------------------------------------------

Number of |
  limita- |
tions with |
    large |
  muscles |
    index |
activities |     Wave of MHAS in which data were collected
     (0-4) |    1.2001     2.2003     3.2012     4.2015     5.2018 |     Total
----------+--------------------------------------------------+---------
        0 |     7,803      7,297      6,911      5,980      7,659 |    35,650
        1 |     2,114      1,857      2,629      2,595      2,637 |    11,832
        2 |     1,742      1,406      2,063      2,157      2,231 |     9,599
        3 |     1,386      1,087      1,581      1,743      1,769 |     7,566
        4 |     1,064        854      1,262      1,329      1,468 |     5,977
       .d |         3          0          1          5          0 |         9
       .f |         0        546      2,742      1,209      1,135 |     5,632
       .m |        38         25          0         40         17 |       120
       .p |     1,032      1,178      1,275        929      1,328 |     5,742
```

```
       .r |          4           0           1           1           4 |         10
       .x |          0           0           0           0           1 |          1
----------+-------------------------------------------------------------+----------
    Total |     15,186      14,250      18,465      15,988      18,249 |     82,138


-------------------------------------------------------------------------------
motoras_gruesas  in en:   Number of limitations with gross motor skills (0-5)
                 in es:   Número de limitaciones con habilidades motoras gruesas
                          (0-5)
-------------------------------------------------------------------------------

Number of |
  limita- |
tions with |
    gross |
    motor |
   skills |        Wave of MHAS in which data were collected
    (0-5) |   1.2001      2.2003      3.2012      4.2015      5.2018 |     Total
----------+-------------------------------------------------------------+----------
        0 |     10,892       9,669      10,402       9,604      11,492 |     52,059
        1 |      1,797       1,492       2,134       2,083       2,100 |      9,606
        2 |        794         761       1,069       1,084       1,163 |      4,871
        3 |        266         278         427         486         483 |      1,940
        4 |        181         142         253         308         290 |      1,174
        5 |        183         159         161         239         238 |        980
       .d |          1           0           1           5           0 |          7
       .f |          0         546       2,742       1,209       1,135 |      5,632
       .m |         38          25           0          40          17 |        120
       .p |      1,032       1,178       1,275         929       1,328 |      5,742
       .r |          1           0           1           1           3 |          6
       .x |          1           0           0           0           0 |          1
----------+-------------------------------------------------------------+----------
    Total |     15,186      14,250      18,465      15,988      18,249 |     82,138


-------------------------------------------------------------------------------
motoras_finas    in en:   Number of limitations with fine motor skills (0-3)
                 in es:   Número de limitaciones con habilidades motoras finas
                          (0-3)
-------------------------------------------------------------------------------

Number of |
  limita- |
tions with |
fine motor |
   skills |        Wave of MHAS in which data were collected
    (0-3) |   1.2001      2.2003      3.2012      4.2015      5.2018 |     Total
----------+-------------------------------------------------------------+----------
        0 |     12,771      11,326      12,424      11,686      13,498 |     61,705
        1 |        930         805       1,452       1,526       1,500 |      6,213
        2 |        310         284         458         448         632 |      2,132
        3 |        102          86         112         144         132 |        576
       .d |          1           0           1           5           0 |          7
       .f |          0         546       2,742       1,209       1,135 |      5,632
       .m |         38          25           0          40          17 |        120
       .p |      1,032       1,178       1,275         929       1,328 |      5,742
       .r |          2           0           1           1           7 |         11
----------+-------------------------------------------------------------+----------
    Total |     15,186      14,250      18,465      15,988      18,249 |     82,138
```

```
--------------------------------------------------------------------------
recuerdo1        in en:  MHAS Verbal Learning (0-8) IMPUTED
                 in es:  ENASEM Aprendizaje Verbal (0-8) IMPUTADO
--------------------------------------------------------------------------

      Wave |        Obs        Mean    Std. Dev.        Min        Max
-----------+-------------------------------------------------------------
      2001 |     13,962    4.757747    1.287839          0          8
      2003 |     12,495    4.370335    1.488142          0          8
      2012 |     14,448    4.772195    1.249578          0          8
      2015 |     13,725    3.955046    1.435824          0          8
      2018 |     15,544    4.090131     1.41623          0          8

      MHAS |
    Verbal |
  Learning |
     (0-8) |        Wave of MHAS in which data were collected
   IMPUTED |    1.2001     2.2003     3.2012     4.2015     5.2018 |     Total
-----------+-------------------------------------------------------------+---------
       .f  |        0        546      2,742      1,209      1,135 |     5,632
       .i  |       25         20          0          0          0 |        45
       .p  |    1,032      1,178      1,275        929      1,328 |     5,742
       .s  |      167         11          0          0          0 |       178
-----------+-------------------------------------------------------------+---------
     Total |    1,224      1,755      4,017      2,138      2,463 |    11,597


--------------------------------------------------------------------------
recuerdo1_flag   in en:  MHAS Verbal Learning - FLAG if imputed
                 in es:  ENASEM Aprendizaje Verbal - INDICADOR si imputado
--------------------------------------------------------------------------

  MHAS Verbal |
  Learning -  |
     FLAG if  |        Wave of MHAS in which data were collected
     imputed  |    1.2001     2.2003     3.2012     4.2015     5.2018 |     Total
-------------+-------------------------------------------------------------+---------
0.Not Imputed |   13,394     12,128     14,031     13,722     15,544 |    68,819
   1.IMPUTED  |      568        367        417        128        242 |     1,722
          .f  |        0        546      2,742      1,209      1,135 |     5,632
          .i  |       25         20          0          0          0 |        45
          .p  |    1,032      1,178      1,275        929      1,328 |     5,742
          .s  |      167         11          0          0          0 |       178
-------------+-------------------------------------------------------------+---------
       Total  |   15,186     14,250     18,465     15,988     18,249 |    82,138


--------------------------------------------------------------------------
recuerdo2        in en:  MHAS Delayed Verbal Recall (0-8) IMPUTED
                 in es:  ENASEM Evocación de Memoria (0-8) IMPUTADA
--------------------------------------------------------------------------

      Wave |        Obs        Mean    Std. Dev.        Min        Max
-----------+-------------------------------------------------------------
      2001 |     13,987    5.119826    1.872742          0          8
      2003 |     12,515    4.302837    1.890275          0          8
      2012 |     14,448    4.435631    2.048997          0          8
      2015 |     13,850    4.190108    2.139756          0          8
      2018 |     15,786    4.406563    2.009838          0          8
```

```
       MHAS |
    Delayed |
     Verbal |
     Recall |
      (0-8) |        Wave of MHAS in which data were collected
    IMPUTED |    1.2001      2.2003      3.2012      4.2015      5.2018 |      Total
-----------+-------------------------------------------------------------+----------
        .f |         0         546       2,742       1,209       1,135 |      5,632
        .p |     1,032       1,178       1,275         929       1,328 |      5,742
        .s |       167          11           0           0           0 |        178
-----------+-------------------------------------------------------------+----------
     Total |     1,199       1,735       4,017       2,138       2,463 |     11,552


--------------------------------------------------------------------------------
recuerdo2_flag    in en:  MHAS Delayed Verbal Recall - FLAG if imputed
                  in es:  ENASEM Evocación de Memoria - INDICADOR si imputada
--------------------------------------------------------------------------------

MHAS Delayed |
Verbal Recall |
   - FLAG if |        Wave of MHAS in which data were collected
     imputed |    1.2001      2.2003      3.2012      4.2015      5.2018 |      Total
-------------+-------------------------------------------------------------+----------
0.Not Imputed |    13,394      12,128      13,980      13,702      15,544 |     68,748
   1.IMPUTED |       568         367         468         148         242 |      1,793
          .f |         0         546       2,742       1,209       1,135 |      5,632
          .i |        25          20           0           0           0 |         45
          .p |     1,032       1,178       1,275         929       1,328 |      5,742
          .s |       167          11           0           0           0 |        178
-------------+-------------------------------------------------------------+----------
       Total |    15,186      14,250      18,465      15,988      18,249 |     82,138


--------------------------------------------------------------------------------
copiafiguras1     in en:  MHAS Constructional Praxis (0-2) IMPUTED
                  in es:  ENASEM Habilidad Visomotriz (0-2) IMPUTADA
--------------------------------------------------------------------------------

       MHAS |
 Construc- |
      tional |
     Praxis |
      (0-2) |        Wave of MHAS in which data were collected
    IMPUTED |    1.2001      2.2003      3.2012      4.2015      5.2018 |      Total
-----------+-------------------------------------------------------------+----------
         0 |     2,036       1,169         828         588         445 |      5,066
         1 |     2,187       2,360       1,297       1,267       1,444 |      8,555
         2 |     9,739       8,966      12,323      11,995      13,897 |     56,920
        .f |         0         546       2,742       1,209       1,135 |      5,632
        .i |        25          20           0           0           0 |         45
        .p |     1,032       1,178       1,275         929       1,328 |      5,742
        .s |       167          11           0           0           0 |        178
-----------+-------------------------------------------------------------+----------
     Total |    15,186      14,250      18,465      15,988      18,249 |     82,138
```

```
--------------------------------------------------------------------
copiafiguras1_flag in en:  MHAS Constructional Praxis - FLAG if
                               imputed
                    in es:  ENASEM Habilidad Visomotriz - INDICADOR si imputada
--------------------------------------------------------------------

        MHAS |
Constructio- |
nal Praxis - |
     FLAG if |      Wave of MHAS in which data were collected
     imputed |   1.2001     2.2003     3.2012     4.2015     5.2018 |     Total
-------------+------------------------------------------------------+---------
0.Not Imputed |   12,597     10,922     13,116     12,868     14,586 |    64,089
    1.IMPUTED |    1,365      1,573      1,332        982      1,200 |     6,452
          .f |        0        546      2,742      1,209      1,135 |     5,632
          .i |       25         20          0          0          0 |        45
          .p |    1,032      1,178      1,275        929      1,328 |     5,742
          .s |      167         11          0          0          0 |       178
-------------+------------------------------------------------------+---------
       Total |   15,186     14,250     18,465     15,988     18,249 |    82,138


--------------------------------------------------------------------
copiafiguras2     in en:  MHAS Constructional Praxis Recall (0-2) IMPUTED
                  in es:  ENASEM Evocación de Figura (0-2) IMPUTADA
--------------------------------------------------------------------

        MHAS |
Construc-    |
    tional   |
    Praxis   |
    Recall   |
     (0-2)   |      Wave of MHAS in which data were collected
    IMPUTED  |   1.2001     2.2003     3.2012     4.2015     5.2018 |     Total
----------+------------------------------------------------------+---------
         0 |    7,022      6,019      2,006      1,797      1,415 |    18,259
         1 |    3,702      3,511      2,813      2,747      3,505 |    16,278
         2 |    3,238      2,965      9,629      9,306     10,866 |    36,004
        .f |        0        546      2,742      1,209      1,135 |     5,632
        .i |       25         20          0          0          0 |        45
        .p |    1,032      1,178      1,275        929      1,328 |     5,742
        .s |      167         11          0          0          0 |       178
----------+------------------------------------------------------+---------
     Total |   15,186     14,250     18,465     15,988     18,249 |    82,138
```

```
--------------------------------------------------------------------------------
copiafiguras2_flag in en:  MHAS Constructional Praxis Recall - FLAG if
                           imputed
                    in es:  ENASEM Evocación de Figura - INDICADOR si imputada
--------------------------------------------------------------------------------

         MHAS |
Constructio- |
  nal Praxis |
Recall - FLAG |       Wave of MHAS in which data were collected
   if imputed |   1.2001     2.2003     3.2012     4.2015     5.2018 |     Total
-------------+-----------------------------------------------------+---------
0.Not Imputed |   12,486     10,789     12,938     12,757     14,449 |    63,419
    1.IMPUTED |    1,476      1,706      1,510      1,093      1,337 |     7,122
          .f |        0        546      2,742      1,209      1,135 |     5,632
          .i |       25         20          0          0          0 |        45
          .p |    1,032      1,178      1,275        929      1,328 |     5,742
          .s |      167         11          0          0          0 |       178
-------------+-----------------------------------------------------+---------
       Total |   15,186     14,250     18,465     15,988     18,249 |    82,138


--------------------------------------------------------------------------------
orientacion      in en:  MHAS Orientation (0-3) IMPUTED
                 in es:  ENASEM Orientación (0-3) IMPUTADA
--------------------------------------------------------------------------------

       MHAS |
  Orienta- |
 tion (0-3) |       Wave of MHAS in which data were collected
   IMPUTED |   1.2001     2.2003     3.2012     4.2015     5.2018 |     Total
-----------+-----------------------------------------------------+---------
         0 |        0        872        691        786        641 |     2,990
         1 |        0        842        974      1,029        427 |     3,272
         2 |        0      2,626      3,484      3,372      1,872 |    11,354
         3 |        0      8,155      9,299      8,663     12,846 |    38,963
        .f |        0        546      2,742      1,209      1,135 |     5,632
        .i |        0         20          0          0          0 |        20
        .p |        0      1,178      1,275        929      1,328 |     4,710
        .s |        0         11          0          0          0 |        11
        .w |   15,186          0          0          0          0 |    15,186
-----------+-----------------------------------------------------+---------
     Total |   15,186     14,250     18,465     15,988     18,249 |    82,138


--------------------------------------------------------------------------------
orientacion_flag in en:  MHAS Orientation - FLAG if imputed
                 in es:  ENASEM Orientación - INDICADOR si imputada
--------------------------------------------------------------------------------

        MHAS |
Orientation - |
    FLAG if |       Wave of MHAS in which data were collected
    imputed |   1.2001     2.2003     3.2012     4.2015     5.2018 |     Total
-------------+-----------------------------------------------------+---------
0.Not Imputed |        0     12,491     14,096     13,767     15,762 |    56,116
    1.IMPUTED |        0          4        352         83         24 |       463
          .f |        0        546      2,742      1,209      1,135 |     5,632
          .i |        0         20          0          0          0 |        20
```

```
            .p |         0      1,178      1,275        929      1,328 |     4,710
            .s |         0         11          0          0          0 |        11
            .w |    15,186          0          0          0          0 |    15,186
-------------+----------------------------------------------------------+----------
       Total |    15,186     14,250     18,465     15,988     18,249 |    82,138
```

```
--------------------------------------------------------------------------------
serial7           in en:  MHAS Series of subtractions 7 from 100 (0-5) IMPUTED
                  in es:  ENASEM Serie de restas 7 de 100 (0-5) IMPUTADA
--------------------------------------------------------------------------------
```

MHAS Series of subtract- tions 7 from 100 (0-5) IM- PUTED	Wave of MHAS in which data were collected					Total
	1.2001	2.2003	3.2012	4.2015	5.2018	
0	0	0	0	791	951	1,742
1	0	0	0	2,109	2,342	4,451
2	0	0	0	2,294	2,401	4,695
3	0	0	0	2,632	2,834	5,466
4	0	0	0	2,597	2,973	5,570
5	0	0	0	3,427	4,285	7,712
.f	0	546	2,742	1,209	1,135	5,632
.p	0	0	0	929	1,328	2,257
.w	15,186	13,704	15,723	0	0	44,613
Total	15,186	14,250	18,465	15,988	18,249	82,138

```
--------------------------------------------------------------------------------
memoria           in en:  Self-report or report by proxy of memory
                  in es:  Auto-reporte o reporte por sustituto de memoria
--------------------------------------------------------------------------------
```

Self-report or report by proxy of memory	Wave of MHAS in which data were collected					Total
	1.2001	2.2003	3.2012	4.2015	5.2018	
1.Excellent	0	0	469	382	626	1,477
2.Very good	0	0	712	548	1,003	2,263
3.Good	0	0	4,892	4,363	5,341	14,596
4.Fair	0	0	6,951	7,393	7,721	22,065
5.Poor	0	0	1,130	1,053	999	3,182
.d	0	0	11	8	9	28
.f	0	546	2,742	1,209	1,135	5,632
.i	0	0	118	0	0	118
.p	0	0	1,275	929	1,328	3,532
.r	0	0	165	103	87	355
.w	15,186	13,704	0	0	0	28,890
Total	15,186	14,250	18,465	15,988	18,249	82,138

```
--------------------------------------------------------------------------------
bmi_imp           in en:  Mean of body mass index (kg/m^2) across 10 imputations
                  in es:  Media de índice de masa corporal (kg/m^2) entre 10
                          imputaciones
```

```
--------------------------------------------------------------------------------
       Wave |        Obs        Mean    Std. Dev.        Min        Max
------------+-------------------------------------------------------------
       2001 |     15,186    27.12749    4.806369    10.49383         99
       2003 |     13,704    27.12455    4.679973    10.06259   73.33334
       2012 |     15,723    27.40364     4.78724    12.48699   63.23159
       2015 |     14,779    27.35756    4.814841    11.81222   73.86971
       2018 |     17,114    27.63734    4.893118    9.908838   75.02015


    Mean of |
  body mass |
      index |
    (kg/m^2) |
   across 10 |
    imputa- |  Wave of MHAS in which data were collected
      tions |    2.2003      3.2012      4.2015      5.2018 |     Total
------------+-------------------------------------------------+----------
        .f |       546       2,742       1,209       1,135 |     5,632
------------+-------------------------------------------------+----------
      Total |       546       2,742       1,209       1,135 |     5,632


--------------------------------------------------------------------------------
imc_imp_cat       in en:  Body mass index (5 categories)
                  in es:  Índice de masa corporal (5 categorías)
--------------------------------------------------------------------------------

Body mass index |      Wave of MHAS in which data were collected
  (5 categories) |    1.2001      2.2003      3.2012      4.2015      5.2018 |     Total
----------------+------------------------------------------------------------+----------
  1.Underweight |       234         223         213         216         221 |     1,107
2.Normal weight |     4,810       4,298       4,870       4,595       5,034 |    23,607
   3.Overweight |     6,799       6,129       6,738       6,302       7,336 |    33,304
        4.Obese |     3,122       2,875       3,645       3,419       4,211 |    17,272
5.Morbidly obese |      221         179         257         247         312 |     1,216
             .f |         0         546       2,742       1,209       1,135 |     5,632
----------------+------------------------------------------------------------+----------
          Total |    15,186      14,250      18,465      15,988      18,249 |    82,138

--------------------------------------------------------------------------------
bmi_flag          in en:  MHAS BMI - FLAG if imputed
                  in es:  ENASEM IMC - INDICADOR si imputada
--------------------------------------------------------------------------------

   MHAS BMI - |
     FLAG if |      Wave of MHAS in which data were collected
     imputed |    1.2001      2.2003      3.2012      4.2015      5.2018 |     Total
-------------+------------------------------------------------------------+----------
0.Not Imputed |    11,117       8,929      13,104      11,909      14,424 |    59,483
   1.IMPUTED |     4,069       4,775       2,619       2,870       2,690 |    17,023
         .f |         0         546       2,742       1,209       1,135 |     5,632
-------------+------------------------------------------------------------+----------
       Total |    15,186      14,250      18,465      15,988      18,249 |    82,138


--------------------------------------------------------------------------------
tabaco            in en:  Currently smokes tobacco
                  in es:  Actualmente fuma tabaco
--------------------------------------------------------------------------------

 Currently |
```

```
   smokes |      Wave of MHAS in which data were collected
  tobacco |    1.2001     2.2003     3.2012     4.2015     5.2018 |     Total
----------+-------------------------------------------------------+----------
    0.No  |    12,522     11,493     13,841     13,053     15,136 |    66,045
    1.Yes |     2,647      2,200      1,876      1,706      1,960 |    10,389
      .d  |        11          9          4          9         11 |        44
      .f  |         0        546      2,742      1,209      1,135 |     5,632
      .i  |         4          0          0          6          0 |        10
      .r  |         2          2          2          5          7 |        18
----------+-------------------------------------------------------+----------
   Total  |    15,186     14,250     18,465     15,988     18,249 |    82,138
```

```
fumado            in en:   Has ever smoked tobacco
                  in es:   Alguna vez ha fumado tabaco
```

```
 Has ever |
   smoked |      Wave of MHAS in which data were collected
  tabacco |    1.2001     2.2003     3.2012     4.2015     5.2018 |     Total
----------+-------------------------------------------------------+----------
    0.No  |     8,652      8,047      9,957      8,911     10,800 |    46,367
    1.Yes |     6,521      5,648      5,761      5,848      6,300 |    30,078
      .d  |         8          7          4          9          9 |        37
      .f  |         0        546      2,742      1,209      1,135 |     5,632
      .m  |         4          0          0          6          0 |        10
      .r  |         1          2          1          5          5 |        14
----------+-------------------------------------------------------+----------
   Total  |    15,186     14,250     18,465     15,988     18,249 |    82,138
```

```
alcohol           in en:   Currently drinks alcoholic beverages
                  in es:   Actualmente toma bebidas alcohólicas
```

```
Currently |
   drinks |
alcoholic |      Wave of MHAS in which data were collected
beverages |    1.2001     2.2003     3.2012     4.2015     5.2018 |     Total
----------+-------------------------------------------------------+----------
    0.No  |    10,441     10,159     12,147     11,382     12,414 |    56,543
    1.Yes |     4,734      3,541      3,572      3,388      4,691 |    19,926
      .d  |         3          3          2          2          3 |        13
      .f  |         0        546      2,742      1,209      1,135 |     5,632
      .i  |         4          0          0          6          0 |        10
      .r  |         4          1          2          1          6 |        14
----------+-------------------------------------------------------+----------
   Total  |    15,186     14,250     18,465     15,988     18,249 |    82,138
```

```
ejer_3_por_sem    in en:   Does exercise or heavy physical labor 3+ times per
                           week
                  in es:   Hace ejercicio o trabajo físico pesado 3+ veces por
                           semana
```

```
     Does |
 exercise |
 or heavy |
```

```
 physical |
 labor 3+ |
 times per |          Wave of MHAS in which data were collected
     week |    1.2001      2.2003      3.2012      4.2015      5.2018 |      Total
----------+-------------------------------------------------------------+----------
     0.No |     9,268       7,989       8,767       8,526      10,268 |     44,818
    1.Yes |     4,768       4,531       5,675       5,316       5,504 |     25,794
       .d |        42           4           3           1           6 |         56
       .f |         0         546       2,742       1,209       1,135 |      5,632
       .i |         4           0           0           6           0 |         10
       .p |     1,032       1,178       1,275         929       1,328 |      5,742
       .r |        72           2           3           1           8 |         86
----------+-------------------------------------------------------------+----------
    Total |    15,186      14,250      18,465      15,988      18,249 |     82,138


----------------------------------------------------------------------------
ocupacion          in en:  Current employment status
                   in es:  Estado de empleo actual
----------------------------------------------------------------------------


  Current employment |      Wave of MHAS in which data were collected
              status |    1.2001      2.2003      3.2012      4.2015      5.2018 |      Total
---------------------+-------------------------------------------------------------+----------
  1.Currently Working |     6,667       5,782       5,685       5,571       7,051 |     30,756
2.Currently looking f |        60         323         441         242         335 |      1,401
3.Dedicated to house- |     3,069       4,388       5,056       4,221       4,738 |     21,472
         hold chores |                                                             |
4.Retired, incapaci- |     5,298       3,179       4,539       4,694       4,958 |     22,668
              tated |                                                             |
                  .d |        21           3           1           6           3 |         34
                  .f |         0         546       2,742       1,209       1,135 |      5,632
                  .i |        42          28           0          40          18 |        128
                  .r |        29           0           1           5          11 |         46
                  .s |         0           1           0           0           0 |          1
---------------------+-------------------------------------------------------------+----------
               Total |    15,186      14,250      18,465      15,988      18,249 |     82,138


----------------------------------------------------------------------------
autoem             in en:  R is employed or self-employed, if they work
                   in es:  R está empleado o auto-empleado, si actualmente
                           trabaja
----------------------------------------------------------------------------

  R is employed |
            or |
 self-employed, |       Wave of MHAS in which data were collected
  if they work |  1.2001      2.2003      3.2012      4.2015      5.2018      |      Total
---------------+-------------------------------------------------------------+----------
    1.Employed |     2,489       2,360       3,643       3,016       4,301 |     15,809
2.Self-employed |     1,542       1,590       2,039       2,503       2,715 |     10,389
            .d |        89          33           1          50           2 |        175
            .f |         0         546       2,742       1,209       1,135 |      5,632
            .i |        42          67           0          40          18 |        167
            .m |         0           1           0           0           0 |          1
            .r |       154          58           2           2          33 |        249
            .s |    10,870       9,595      10,038       9,168      10,045 |     49,716
---------------+-------------------------------------------------------------+---
         Total |    15,186      14,250      18,465      15,988      18,249 |     82,138
----------------------------------------------------------------------------
```

```
horas_trabajadas in en:  Hours worked per week
                 in es:  Horas trabajadas por semana
-----------------------------------------------------------------------

       Wave |        Obs        Mean    Std. Dev.         Min         Max
-----------+-----------------------------------------------------------
       2003 |      5,717    43.41525     19.56568           1          94
       2012 |      5,655    44.20672     21.18382           0         168
       2015 |      5,553    42.21016     20.90544           0         168
       2018 |      6,993    44.73831     20.81092           0         168

     Hours |
worked per |      Wave of MHAS in which data were collected
      week |    1.2001     2.2003     3.2012     4.2015     5.2018 |     Total
-----------+-----------------------------------------------------------+--------
       .d |         0         58         26         12         25 |       121
       .f |         0        546      2,742      1,209      1,135 |     5,632
       .i |         0         28          0         40         18 |        86
       .m |         0          1          0          0          0 |         1
       .r |         0          7          4          6         33 |        50
       .s |         0      7,893     10,038      9,168     10,045 |    37,144
       .w |    15,186          0          0          0          0 |    15,186
-----------+-----------------------------------------------------------+--------
     Total |    15,186      8,533     12,810     10,435     11,256 |    58,220


-----------------------------------------------------------------------
imp_neto           in en:  Net worth of interviewee and spouse (if any)
                   in es:  Patrimonio neto de entrevistado y cónyuge (si los
                           hay)
-----------------------------------------------------------------------

       Wave |        Obs        Mean    Std. Dev.         Min         Max
-----------+-----------------------------------------------------------
       2001 |     15,127    392579.5     778409.5     -585000    2.61e+07
       2003 |     13,671    472993.6     898311.8    -1655000    2.05e+07
       2012 |     15,723    874499.4     1328058    -3995500    2.40e+07
       2015 |     14,745     1523116     3623269   -499247.1    1.10e+08
       2018 |     17,094     1017702     1406318    -3008000    2.17e+07

Net worth |
       of |
interview- |
  ee and |
spouse (if |      Wave of MHAS in which data were collected
     any) |    1.2001     2.2003     3.2012     4.2015     5.2018 |     Total
-----------+-----------------------------------------------------------+--------
       .f |         0        546      2,742      1,209      1,135 |     5,632
       .i |        59         31          0         34         20 |       144
       .m |         0          2          0          0          0 |         2
-----------+-----------------------------------------------------------+--------
     Total |        59        579      2,742      1,243      1,155 |     5,778
```