Unpaid care and domestic work: valuation, and policy making use

Fifth Global Forum on Gender Statistics
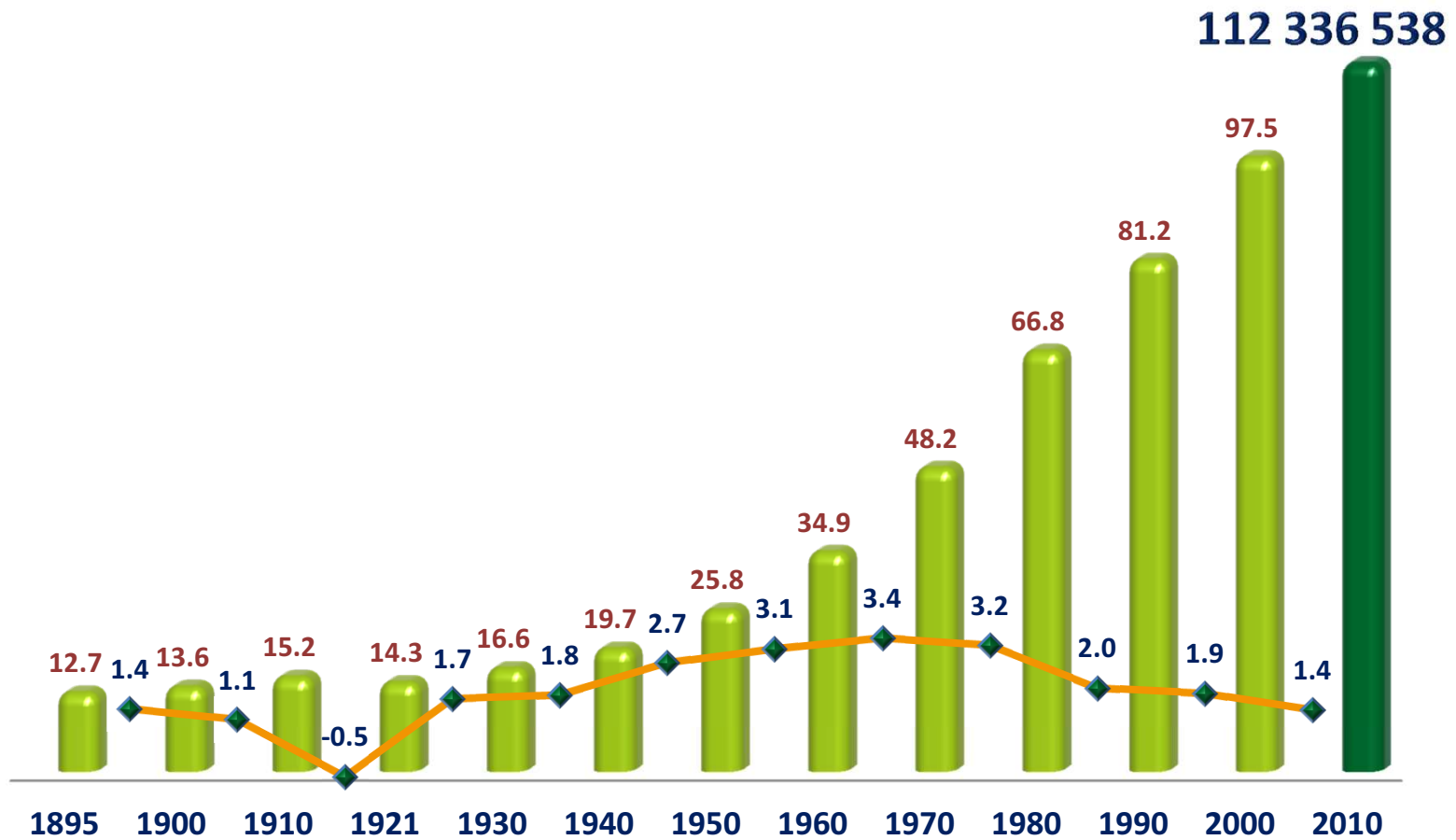Aguascalientes, Mexico, November 3th to 5th, 2014

Session 5: Measurement of time spent in care and domestic work,
its valuation for satellite accounts and the economy of care

Mr. Félix Vélez
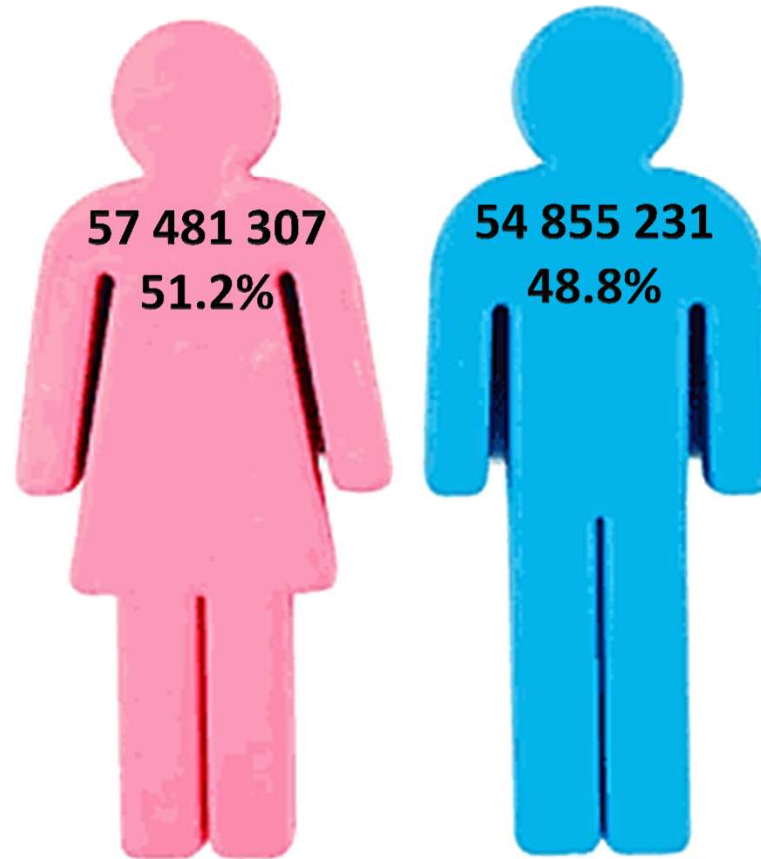INEGI's Vice-President

November 4th, 2014

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1

Mexican context: Total population and annual average rate of growth 1895-2010

112 336 538

Source: Population and Housing Census 2010. INEGI.

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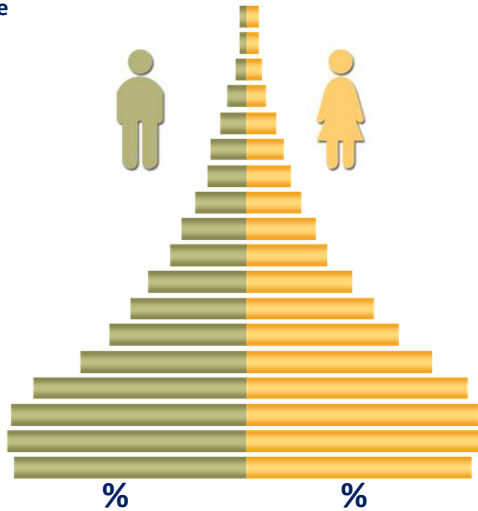DE ESTADÍSTICA Y GEOGRAFÍA

2

Sex distribution of population, 2010

57 481 307
51.2%

54 855 231
48.8%

Source: Population and Housing Census 2010. INEGI.

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Population structure, 1990, 2000 and 2010

Year age groups:
- 85 years old and more
- 80-84
- 75-79
- 70-74
- 65-69
- 60-64
- 55-59
- 50-54
- 45-49
- 40-44
- 35-39
- 30-34
- 25-29
- 20-24
- 15-19
- 10-14
- 5-9
- 0-4

%   %

1990

Year age groups:
- 85 years old and more
- 80-84
- 75-79
- 70-74
- 65-69
- 60-64
- 55-59
- 50-54
- 45-49
- 40-44
- 35-39
- 30-34
- 25-29
- 20-24
- 15-19
- 10-14
- 5-9
- 0-4

%   %

2000

- 85 years old and more
- 80-84
- 75-79
- 70-74
- 65-69
- 60-64
- 55-59
- 50-54
- 45-49
- 40-44
- 35-39
- 30-34
- 25-29
- 20-24
- 15-19
- 10-14
- 5-9
- 0-4

%   **2010**   %

Source: Population and Housing Census 2010. INEGI.

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National Survey of Occupation and Employment

Objective

- To gather statistical information on: 1) occupational characteristics of the national population; and 2) other demographic and economic variables that allow a more thorough understanding of labor supply and demand characteristics.

Geographic coverage

- National

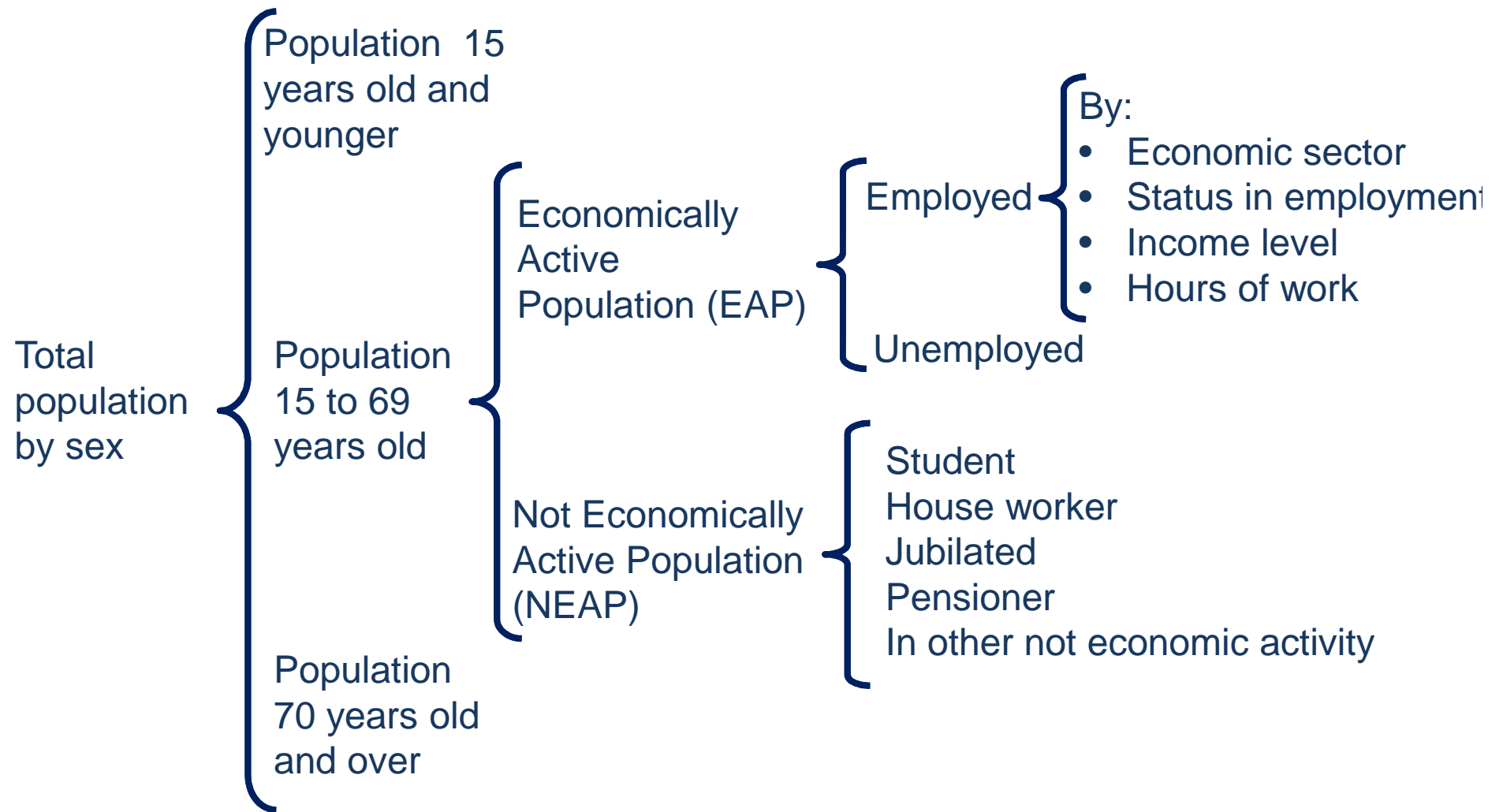- States

- 32 cities self-represented

Sample size

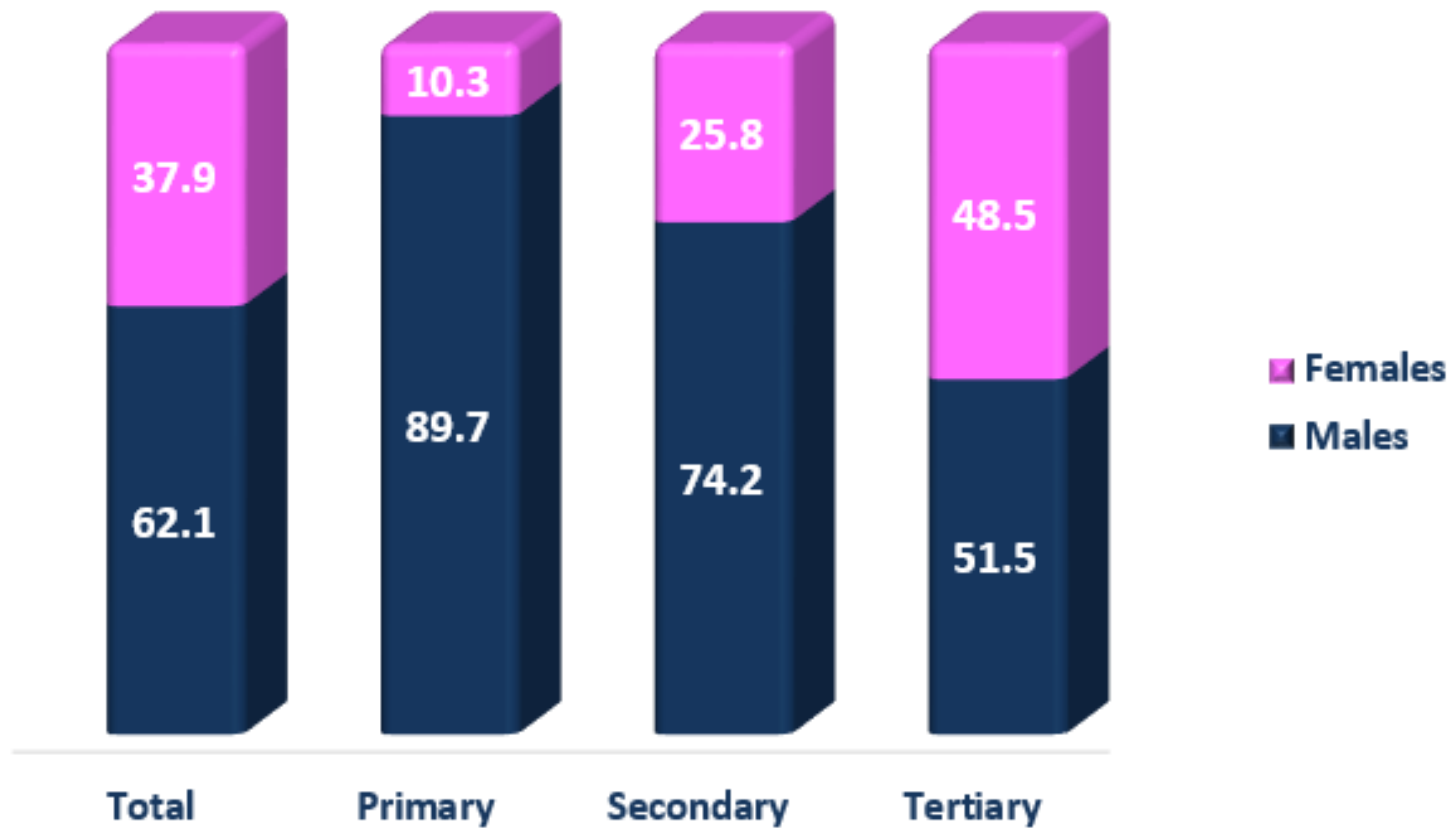- Quarterly sample size is 120 260 dwellings.
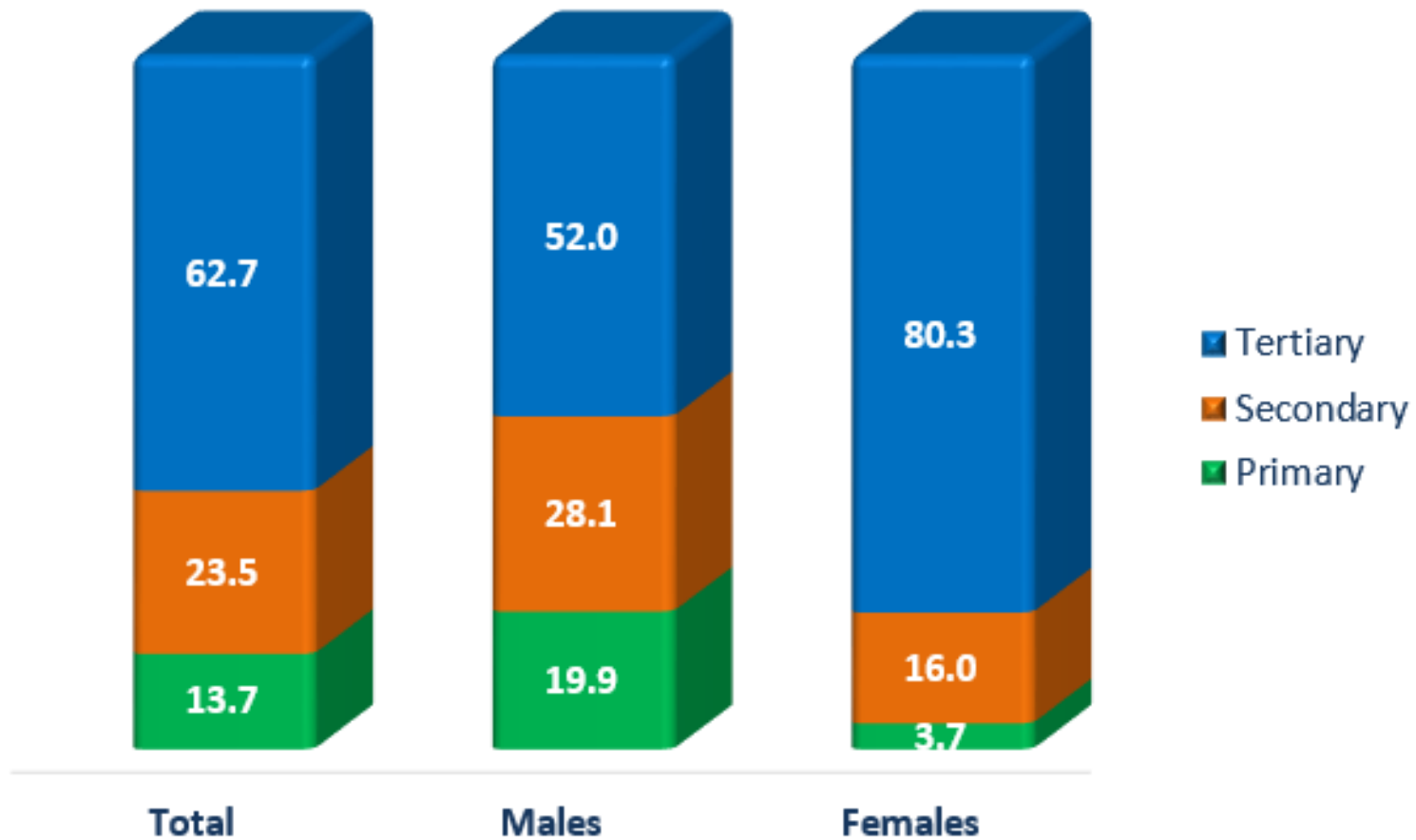
Temporality

- Monthly

- Quarterly

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Sex distribution of Economically Active Population

Total population by sex
- Population 15 years old and younger
- Population 15 to 69 years old
  - Economically Active Population (EAP)
    - Employed
      - By:
        - Economic sector
        - Status in employment
        - Income level
        - Hours of work
    - Unemployed
  - Not Economically Active Population (NEAP)
    - Student
    - House worker
    - Jubilated
    - Pensioner
    - In other not economic activity
- Population 70 years old and over

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Sex distribution of employed population by economic sector of activity, II-2014

Total: Females 37.9, Males 62.1
Primary: Females 10.3, Males 89.7
Secondary: Females 25.8, Males 74.2
Tertiary: Females 48.5, Males 51.5

Females
Males

Sex distribution of employed population by economic sector, II-2014

	Tertiary	Secondary	Primary
Total	62.7	23.5	13.7
Males	52.0	28.1	19.9
Females	80.3	16.0	3.7

Sex distribution of employed population by educational level, II-2014

	Total	Males	Females
High School and tertiary education	32.7	30.6	36.2
Lower Secondary	33.8	33.7	34.0
Completed Primary	19.7	21.0	17.7
Less than primary	13.7	14.7	12.0
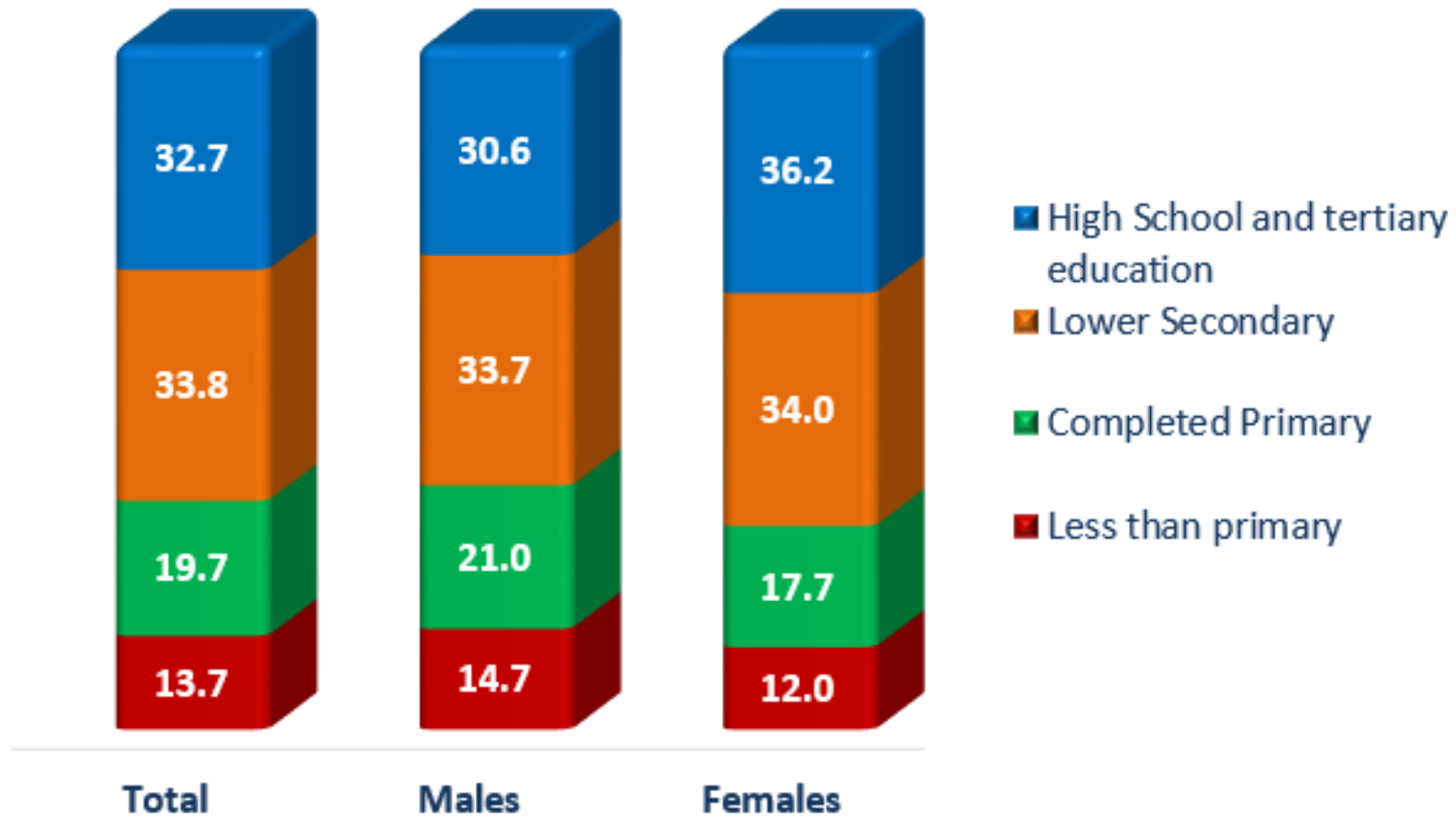
Sex distribution of employed population by status in employment, II-2014

	Total	Subordinate workers	Freelance workers	Unpaid workers
Females	37.9	37.5	35.4	53.8
Males	62.1	62.5	64.6	46.2

Females
Males

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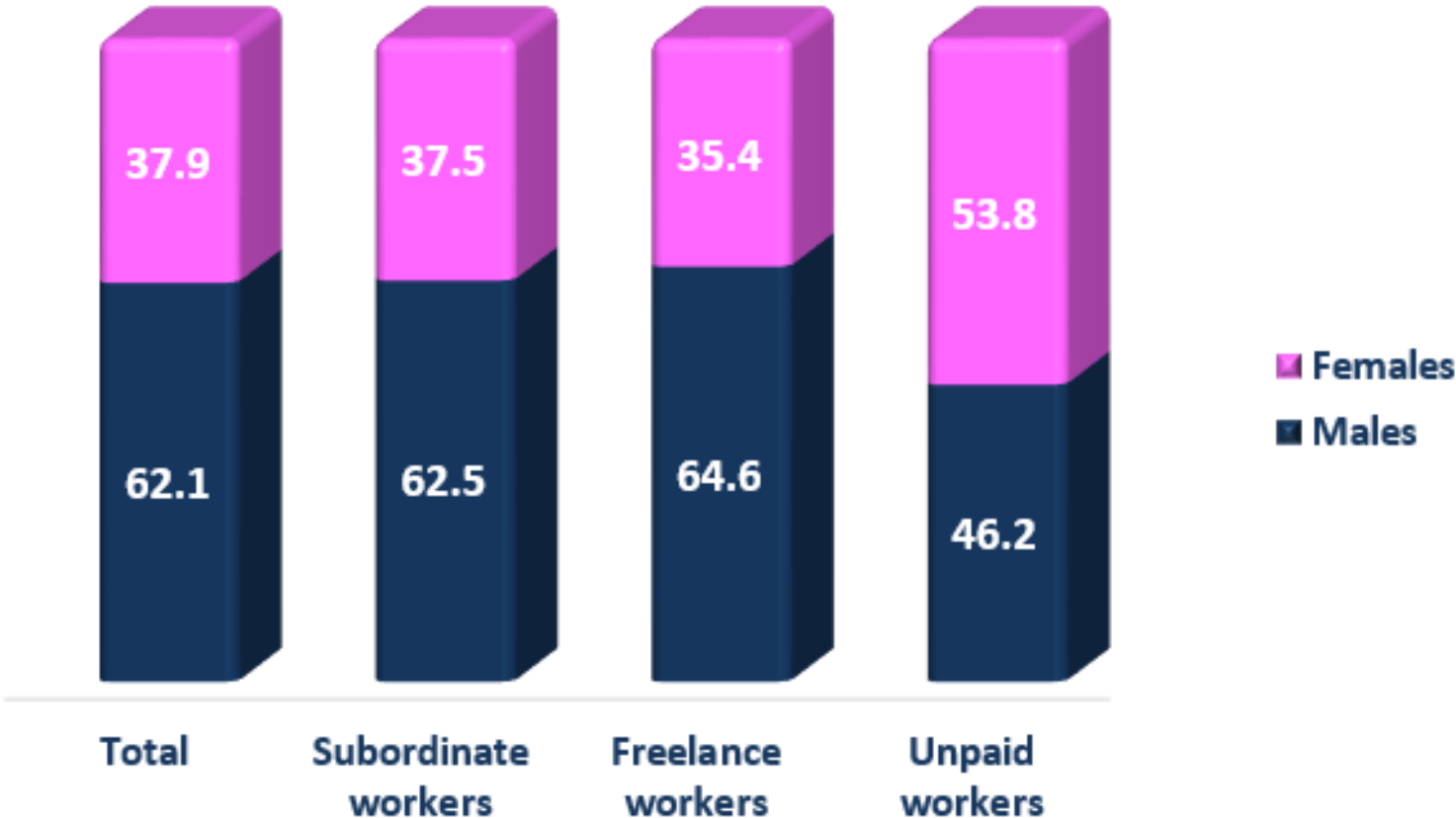
Sex distribution of freelance workers by area and business size, II-2014

	Total	Agricultural	Government	Microbusiness	Small & Medium establishments
Females	37.9	10.3	37.2	40.2	40.8
Males	62.1	89.7	62.8	59.8	59.2
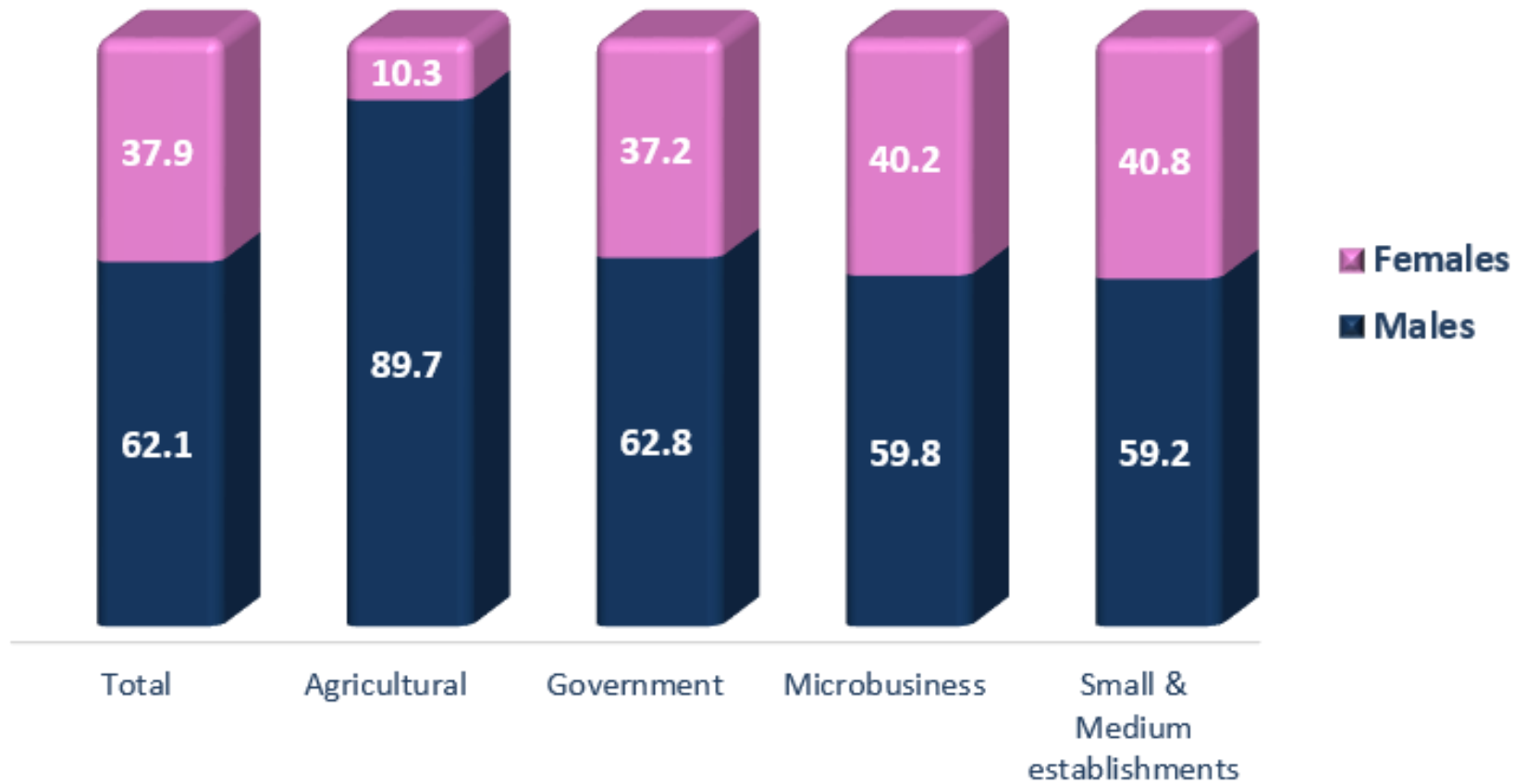
National Time Use Survey

Objective

- To capture time spent by persons 12 years and older on their daily activities and to provide the necessary statistical information inputs to measure all forms of work of individuals, including both: 1) paid and 2) unpaid work in the household.

Geographic coverage

- National.

- Localities with less than 2 500 inhabitants and four regions.

Sample size

- 17 000 dwellings.

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National Time Use Survey

Classifications

- International Classification of Activities for Time Use Statistics (ICATUS)

Thematic coverage

- Cooking, making drinks, setting and serving tables.
- Cleaning and upkeep of dwelling and surroundings.
- Care of textiles: sorting, mending, washing, ironing and ordering clothes and linen.
- Shopping for goods and non-personal services: capital goods, household appliances, equipment, food and various household supplies.
- Household management: planning, supervising, paying bills, etc.
- Physical care of the sick, disabled, elderly household members: washing, dressing, feeding and helping.
- Community services and help to other households.

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National Time Use Surveys

In gender statistics, time use surveys provide numeric evidence about differences in participation of women and men on:

- paid work;

- domestic work;

- family care, including child and adult care;

- personal care and;

- leisure activities.

Comparative analysis of survey data shows not only changes in how people spend their time but also, different patterns of time use associated with gender, which provides clear evidence of the roles played by women and men in family and social life.

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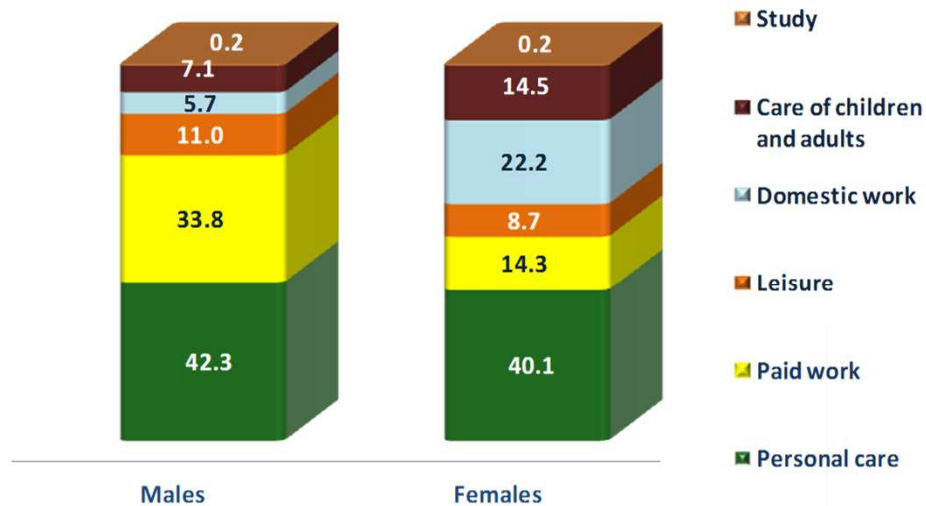DE ESTADÍSTICA Y GEOGRAFÍA

National Time Use Surveys at INEGI

- In 1996, 1998, and 2002, the National Institute of Geography and Statistics (INEGI) carried out time use modules as part of the National Household Income and Expenditure Survey (ENIGH).

- In 2009 INEGI conducted the National Survey of Time Use as a special independent survey.

Sex distribution of weekly time use for population 15 years and older, by kind of activity, 2002-2009
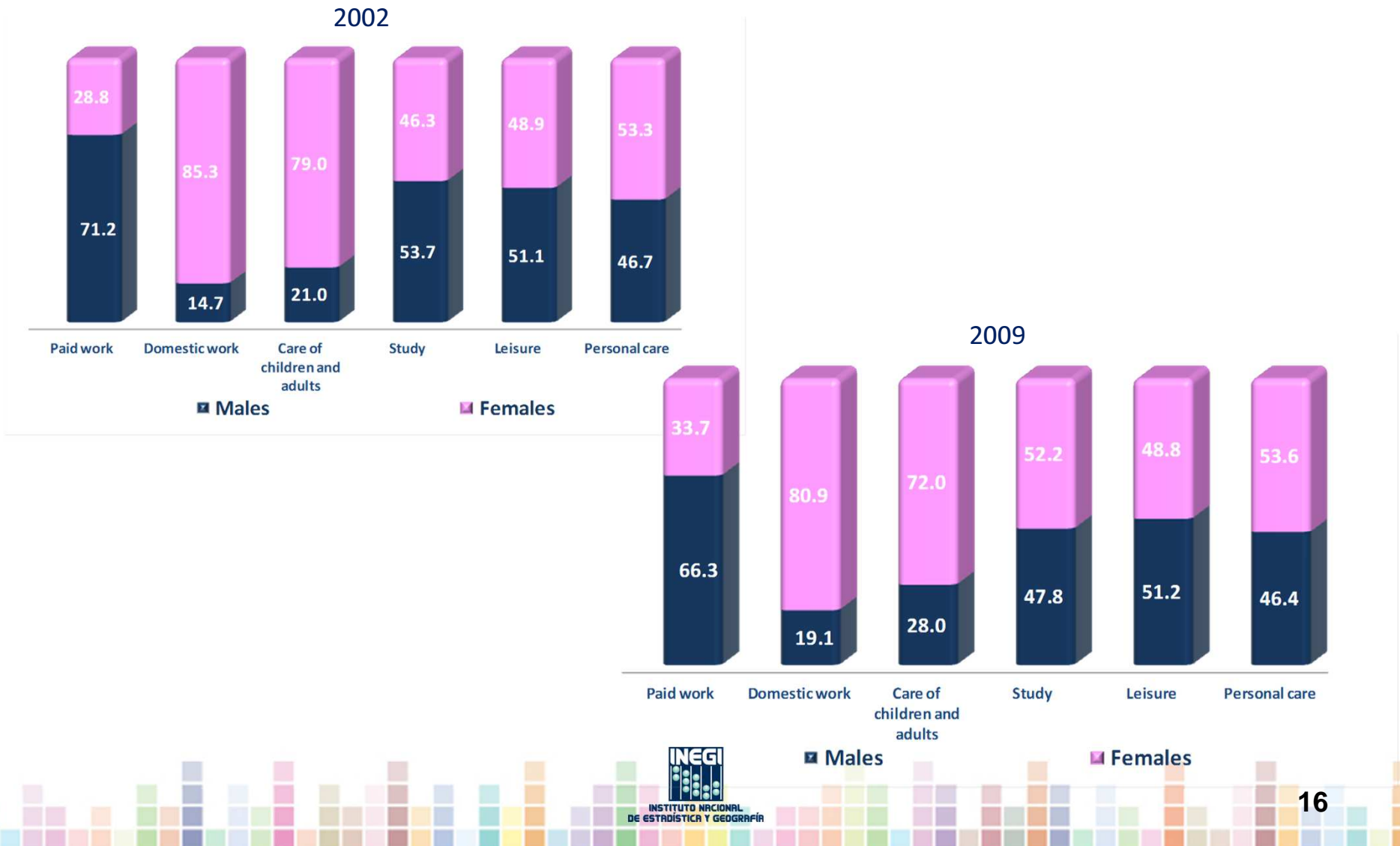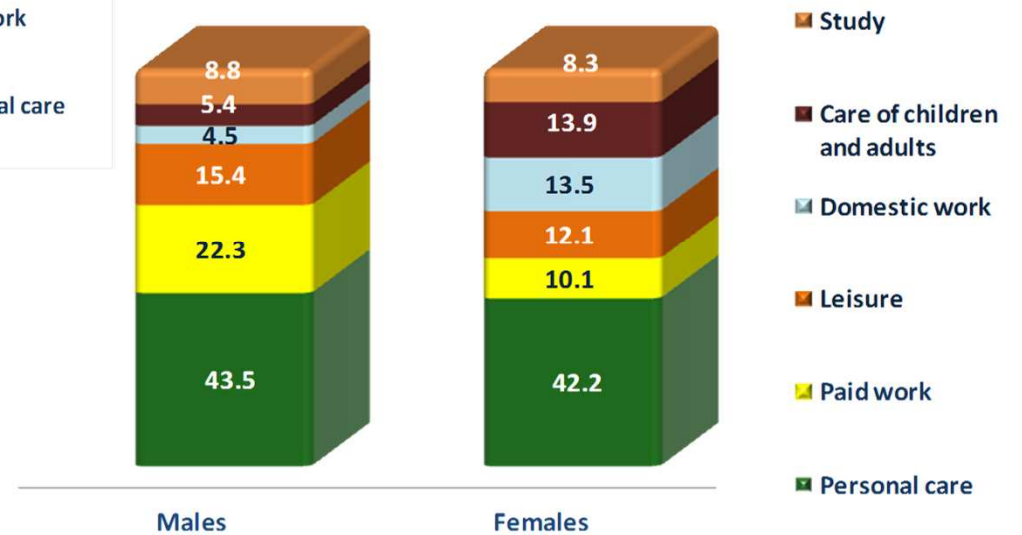
Sex distribution of weekly time use disaggregated by age group and kind of activity, 2009
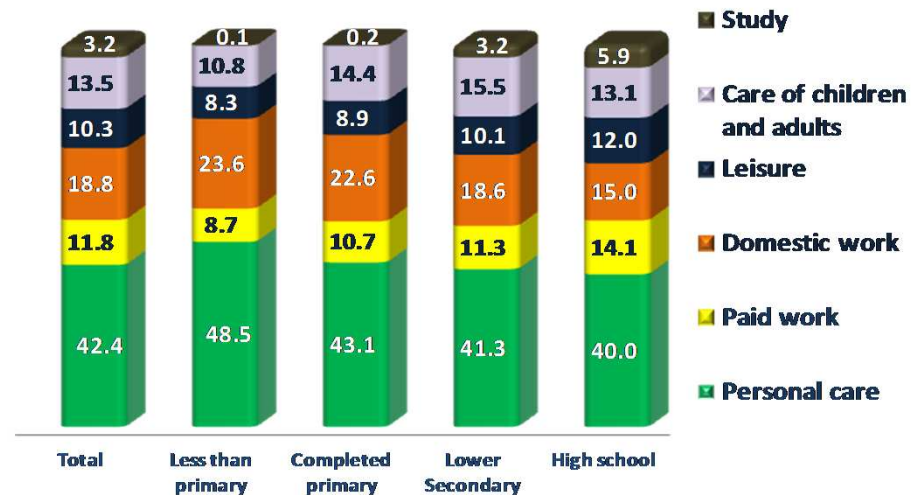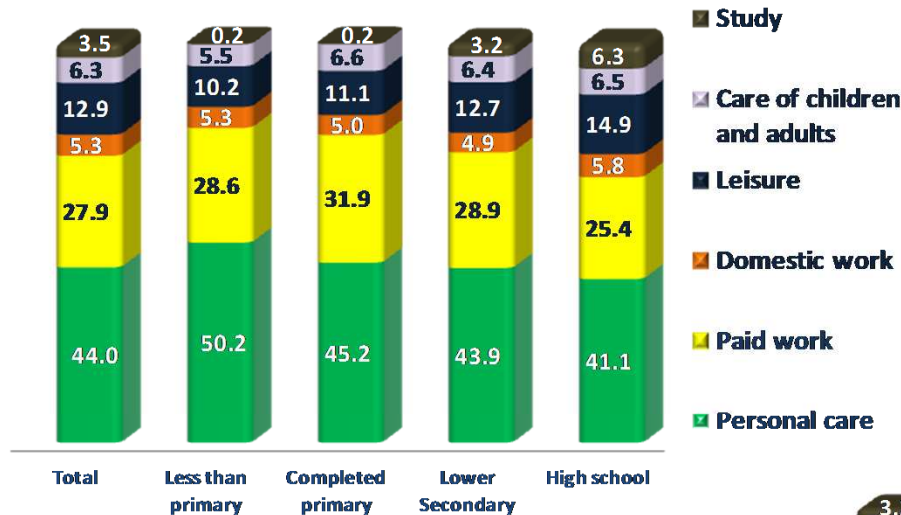

30-59 years

	Males	Females
Study	0.2	0.2
Care of children and adults	7.1	14.5
Domestic work	5.7	22.2
Leisure	11.0	8.7
Paid work	33.8	14.3
Personal care	42.3	40.1

15-29 years

	Males	Females
Study	8.8	8.3
Care of children and adults	5.4	13.9
Domestic work	4.5	13.5
Leisure	15.4	12.1
Paid work	22.3	10.1
Personal care	43.5	42.2

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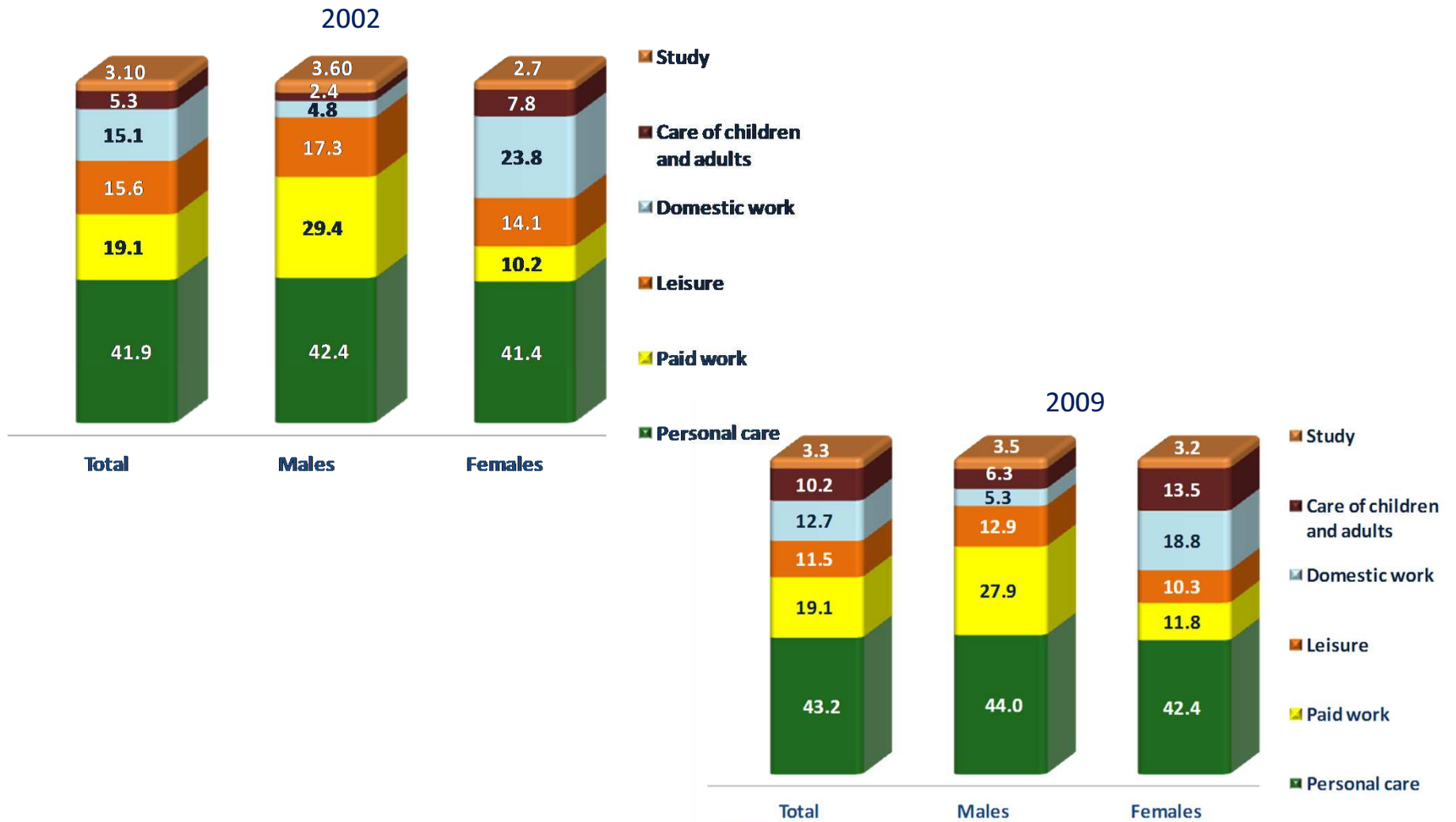
Distribution of weekly time use, disaggregated by sex, educational level, and kind of activity, 2009

Men:

	Total	Less than primary	Completed primary	Lower Secondary	High school
Study	3.5	0.2	0.2	3.2	6.3
Care of children and adults	6.3	5.5	6.6	6.4	6.5
Leisure	12.9	10.2	11.1	12.7	14.9
Domestic work	5.3	5.3	5.0	4.9	5.8
Paid work	27.9	28.6	31.9	28.9	25.4
Personal care	44.0	50.2	45.2	43.9	41.1

Women:

	Total	Less than primary	Completed primary	Lower Secondary	High school
Study	3.2	0.1	0.2	3.2	5.9
Care of children and adults	13.5	10.8	14.4	15.5	13.1
Leisure	10.3	8.3	8.9	10.1	12.0
Domestic work	18.8	23.6	22.6	18.6	15.0
Paid work	11.8	8.7	10.7	11.3	14.1
Personal care	42.4	48.5	43.1	41.3	40.0

Sex distribution of weekly time use for population 15 years and over, by kind of activity, 2002-2009

Sex distribution of weekly time use for population 15 years and over, by kind of activity, 2009

Legend:
- **Study**
- **Care of children and adults**
- **Domestic work**
- **Leisure**
- **Paid work**
- **Personal care**

Activity	Total	Males	Females
Study	3.3	3.5	3.2
Care of children and adults	10.2	6.3	13.5
Domestic work	12.7	5.3	18.8
Leisure	11.5	12.9	10.3
Paid work	19.1	27.9	11.8
Personal care	43.2	44.0	42.4

Source: Databases of Time Use Surveys 2002, 2009 INEGI.

National Time Use Survey

Some signs of improvement:

- From 2002 to 2009, participation of study time in total time allocation was reversed in terms of sex: while in 2002 men had greater participation, women's participation was bigger in 2009.

- For the same period, women changed their distribution of time:

  – Decrease on time spent in domestic work, from 23.8 to 18.8%.

  – Increase on:

  1. time spent on paid work from 10.2 to 11.8%;

  2. study time, that also increased slightly, from 2.7 to 3.2%.

National Accounts System
Satellite Account of Unpaid Household Work

Objective

- Economic valuation of unpaid work that household members perform in activities to generate services that allow to meet their needs.

- Allows the evaluation of the contribution of households to the national economy, by giving a value to the production of household services not included in standard measurement of GDP.

Satellite Account of Unpaid Household Work in Mexico

Methodology

- Defines unpaid work of households, as time spent on housework and care, provided by household members to produce services for consumption within the household, without obtaining a payment or remuneration, hence outside of GDP measurement.

Satellite Account of Unpaid Household Work

International recommendations:

- National Accounts System
  - UN, IMF, WB, OECD, EUROSTAT

- Household Production and Consumption Proposal for a Methodology of Household Satellite Accounts, 2003
  - EUROSTAT

- Manual on the measurement of volunteer work, 2008
  - ILO

Satellite Account of Unpaid Household Work

Requires two inputs for assessing unpaid household work:

- To measure time spend on unpaid work: National Time Use Survey generates two sets of data: number of hours of unpaid work and the individuals who perform it.

- To determine the cost per hour spent on unpaid care and domestic work: National Occupation and Employment Survey provides gross values from average earnings by economic activity, according to the North American Industry Classification System (NAICS).

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Delimitation of activities

Satellite Account INCLUDES	Satellite Account EXCLUDES
Services for own final use made with unpaid work.	Production of goods for final self-use
• Cleaning and upkeep of dwelling and surroundings	• Production of agricultural goods
• Cooking, making drinks, setting and serving tables	• Self-building of dwelling
• Care of durable goods of household members	• Self-consumption goods
• Physical care of children: washing, dressing, feeding. Teaching, training and instruction of own children	• Self-use services
• Physical care of the sick, disabled, elderly household members: washing, dressing, feeding, helping	• Services of dwellings
• Travel related to care of children, the sick, elderly and disabled in the household	• Domestic services
• Community services and volunteer work	

Delimitation of activities

Includes: Household's activities defined as productive, if it can be delegated to somebody else or provides a product or service that can be exchanged in the market, like provision of:

| Food | Cleaning and maintenance of a dwelling | Cleaning and care of clothing and shoes | Shopping and household management | Care and support | Community services and volunteer work |

Excludes: **Personal activities** that usually cannot be delegated, and **Secondary activities**, only the hours expended in the principal activity were valued.

Satellite Account of Unpaid Household Work

Valuation methods:

- **Replacement cost for individual function**: the cost of hiring specific workers for activities carried out with unpaid household work (opportunity cost).

- **Hybrid**: this approach uses pay to domestic worker to value the activities normally performed by a housewife and, for other activities, uses the replacement cost of each individual function.

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Methodological framework

- National Survey of Occupation and Employment
- National Account System

Price per hour multiplied by hours of unpaid household work
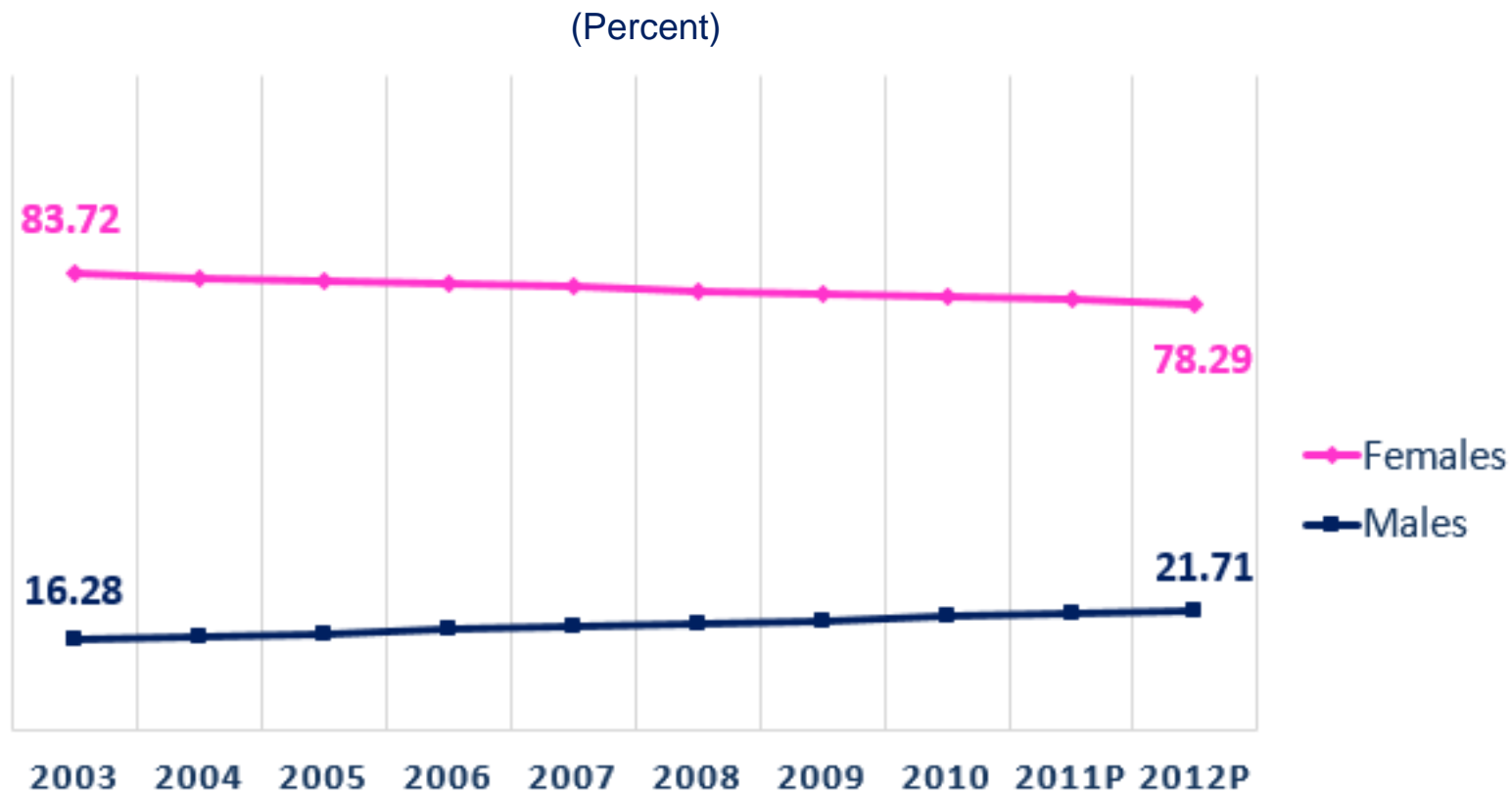
→ Imputed remunerations

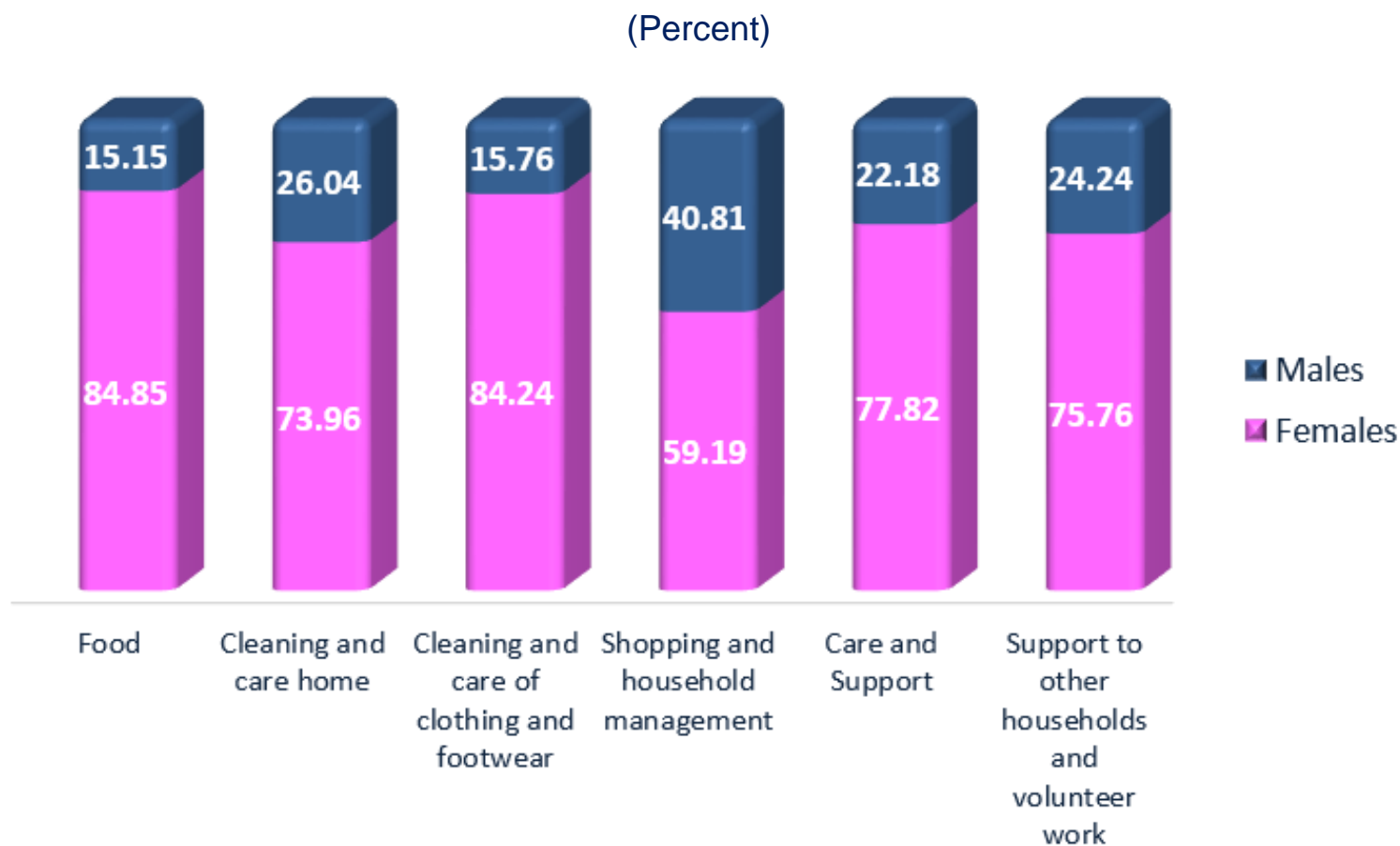→ Economic value of unpaid household work

- National Time Use Survey

Sex distribution of hours devoted to unpaid household work, 2003- 2012

(Percent)

INEGI. Satellite Account of Unpaid Work of Households in Mexico 2012. Preliminary data. Base year 2008.

Sex distribution of unpaid household work hours, by kind of activity, 2012

(Percent)

	Food	Cleaning and care home	Cleaning and care of clothing and footwear	Shopping and household management	Care and Support	Support to other households and volunteer work
Males	15.15	26.04	15.76	40.81	22.18	24.24
Females	84.85	73.96	84.24	59.19	77.82	75.76

INEGI. Satellite Account of Unpaid Work of Households in Mexico 2012. Preliminary data. Base year 2008.

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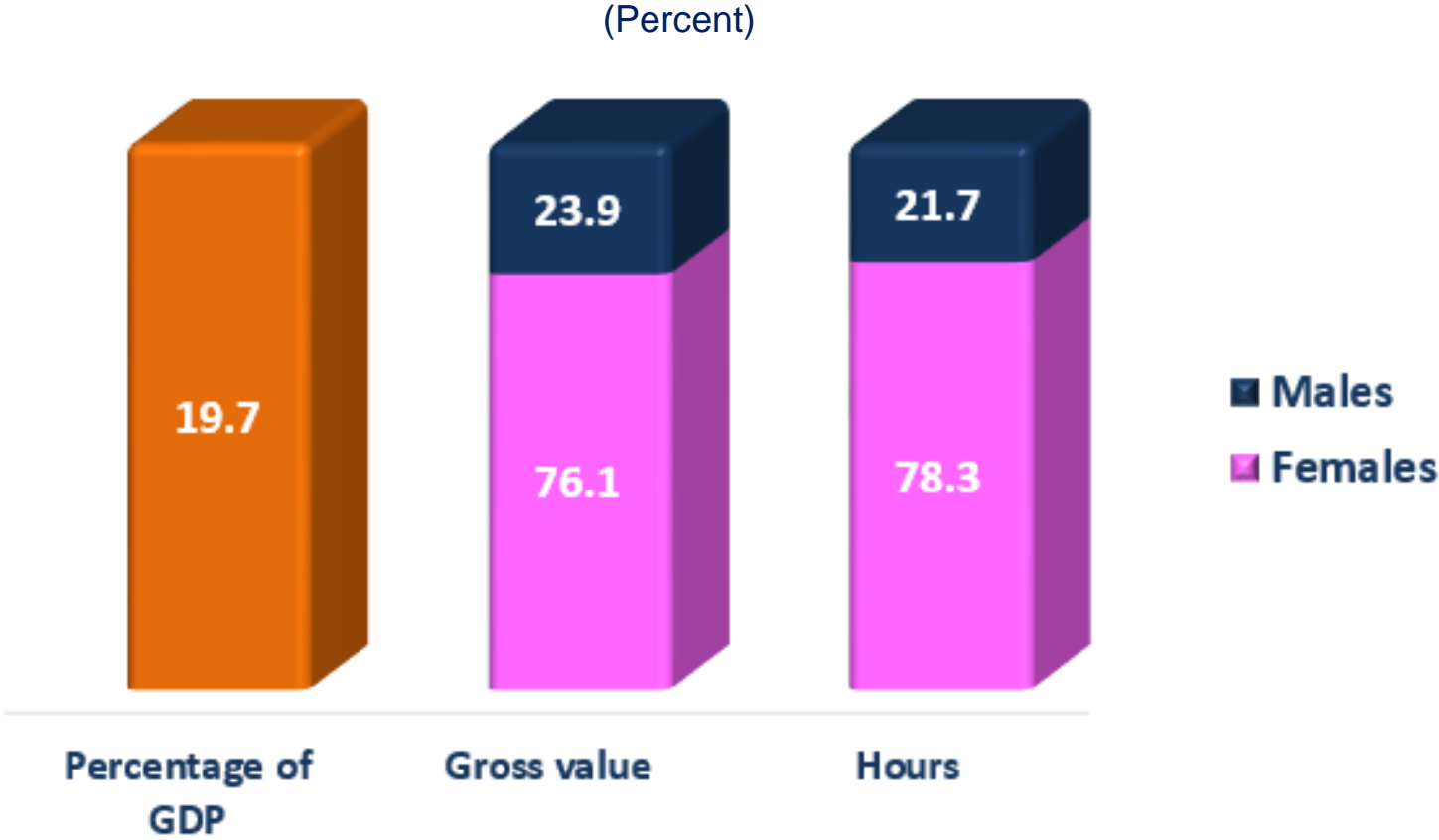DE ESTADÍSTICA Y GEOGRAFÍA

Sex distribution of unpaid household work value relative to GDP by valuation method, 2012

(Percent)
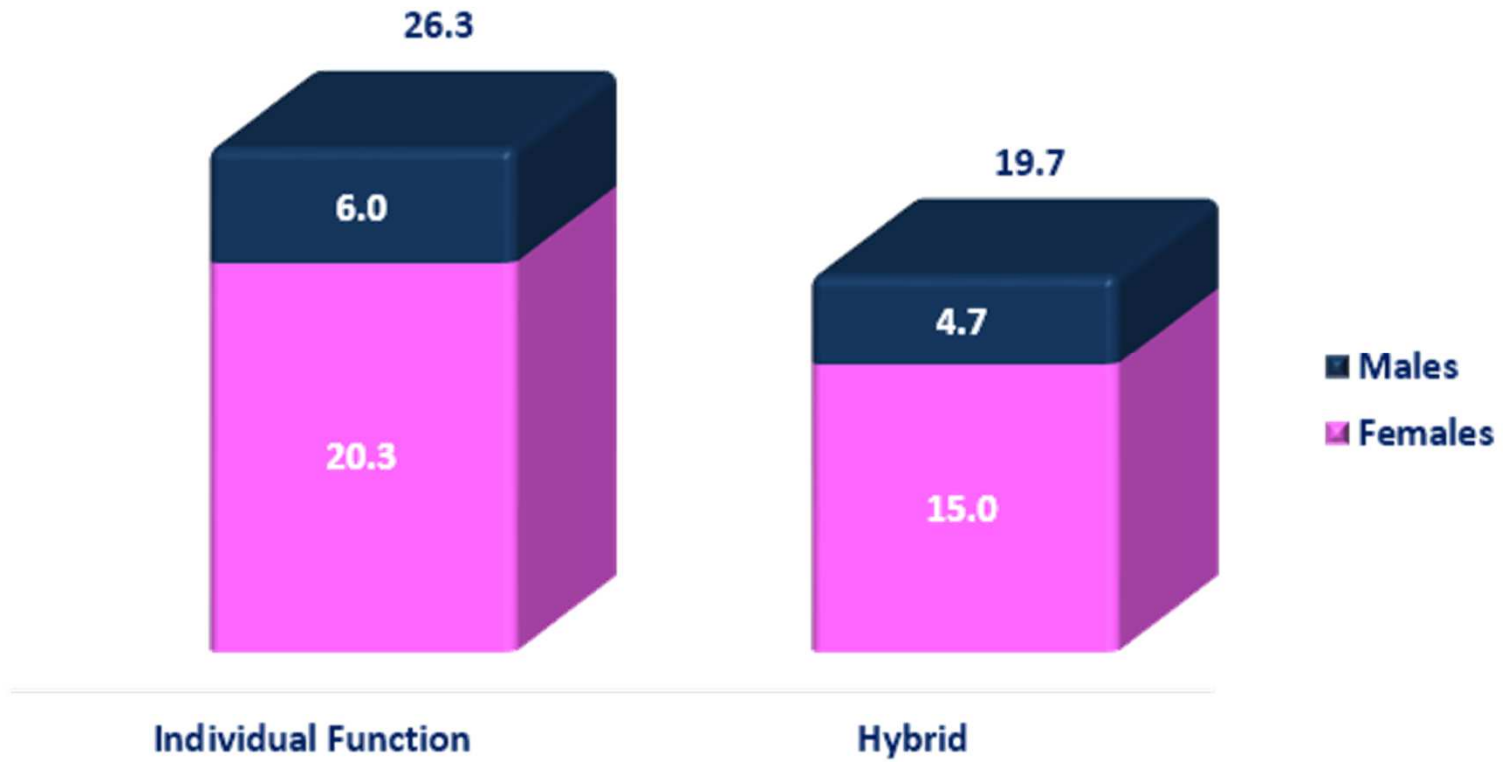
INEGI. Satellite Account of Unpaid Work of Households in Mexico 2012. Preliminary data. In current prices (base year 2008).
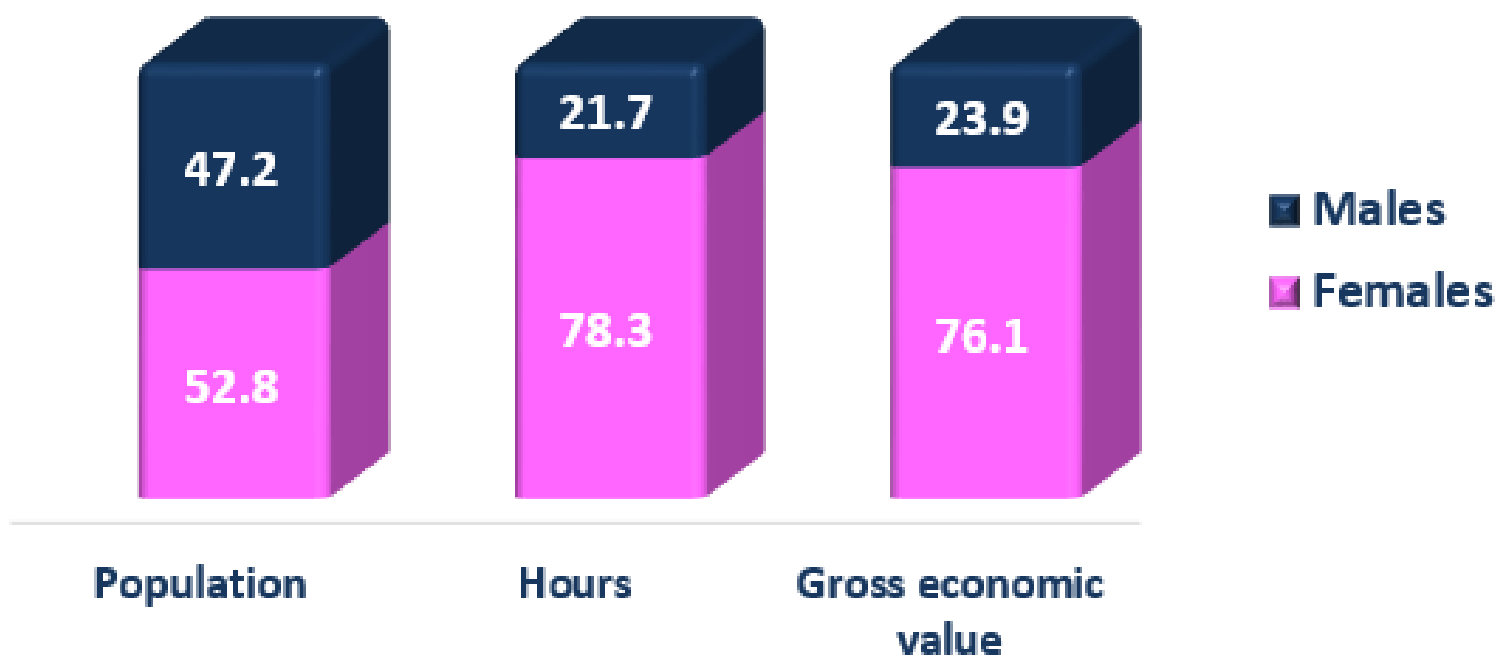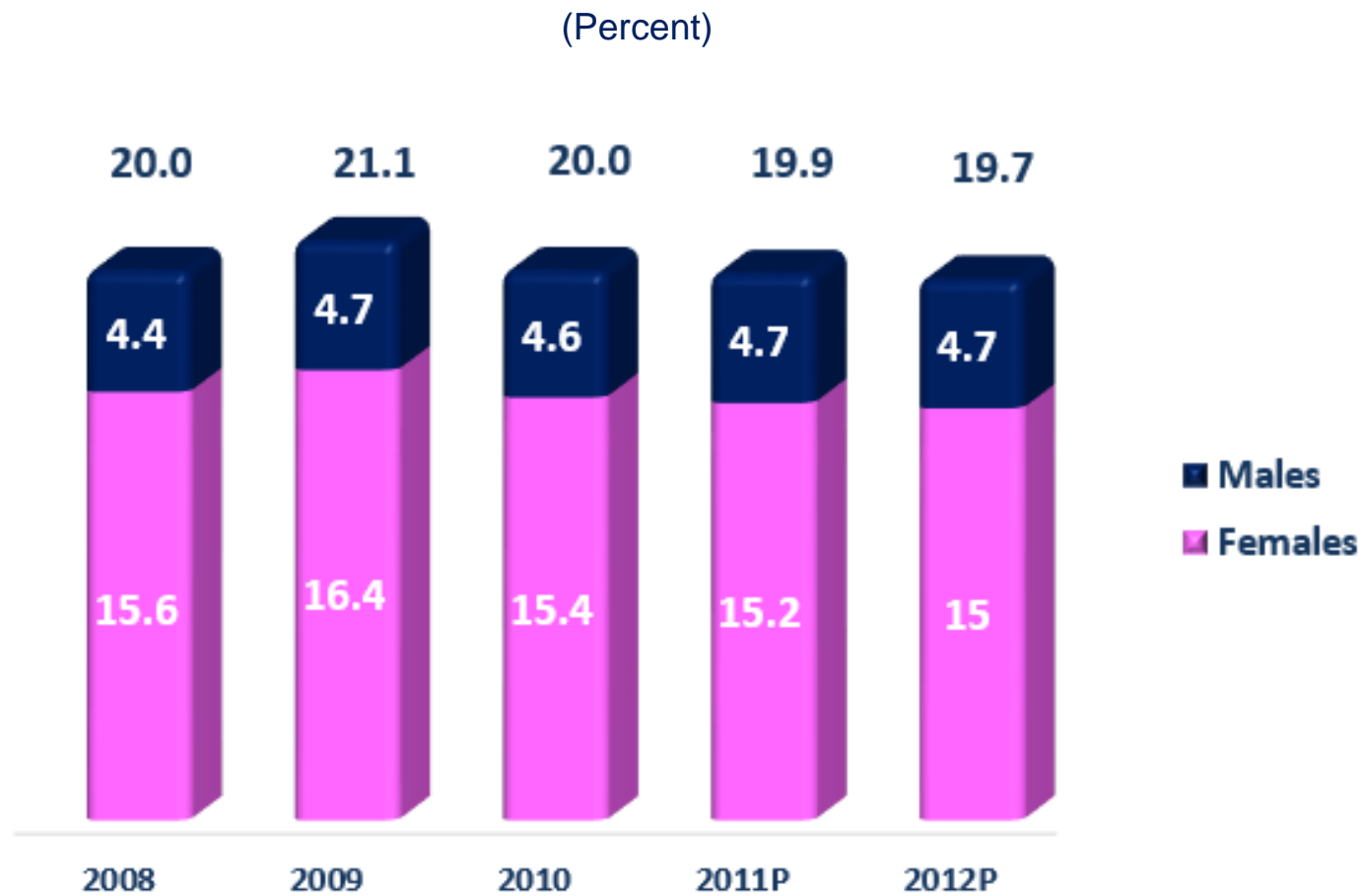
Share in GDP of the gross economic value of unpaid household work, by hybrid method of assessment, 2012

(Percent)

INEGI. Satellite Account of Unpaid Work of Households in Mexico 2012. Preliminary data. In current prices (base year 2008).

Sex distribution of unpaid household work by hybrid method of assessment, 2012

(Percent)

	Males	Females
Population	47.2	52.8
Hours	21.7	78.3
Gross economic value	23.9	76.1

INEGI. Satellite Account of Unpaid Work of Households in Mexico 2012. Preliminary data. In current prices (base year 2008).

# Sex distribution of unpaid household work value, 2008-2012

(Percent)

	2008	2009	2010	2011P	2012P
Total	20.0	21.1	20.0	19.9	19.7
Males	4.4	4.7	4.6	4.7	4.7
Females	15.6	16.4	15.4	15.2	15

■ Males
■ Females

INEGI. Satellite Account of Unpaid Work of Households in Mexico 2012. Preliminary data. In current prices (base year 2008).

Sex distribution of unpaid household work value, by kind of activity, 2012
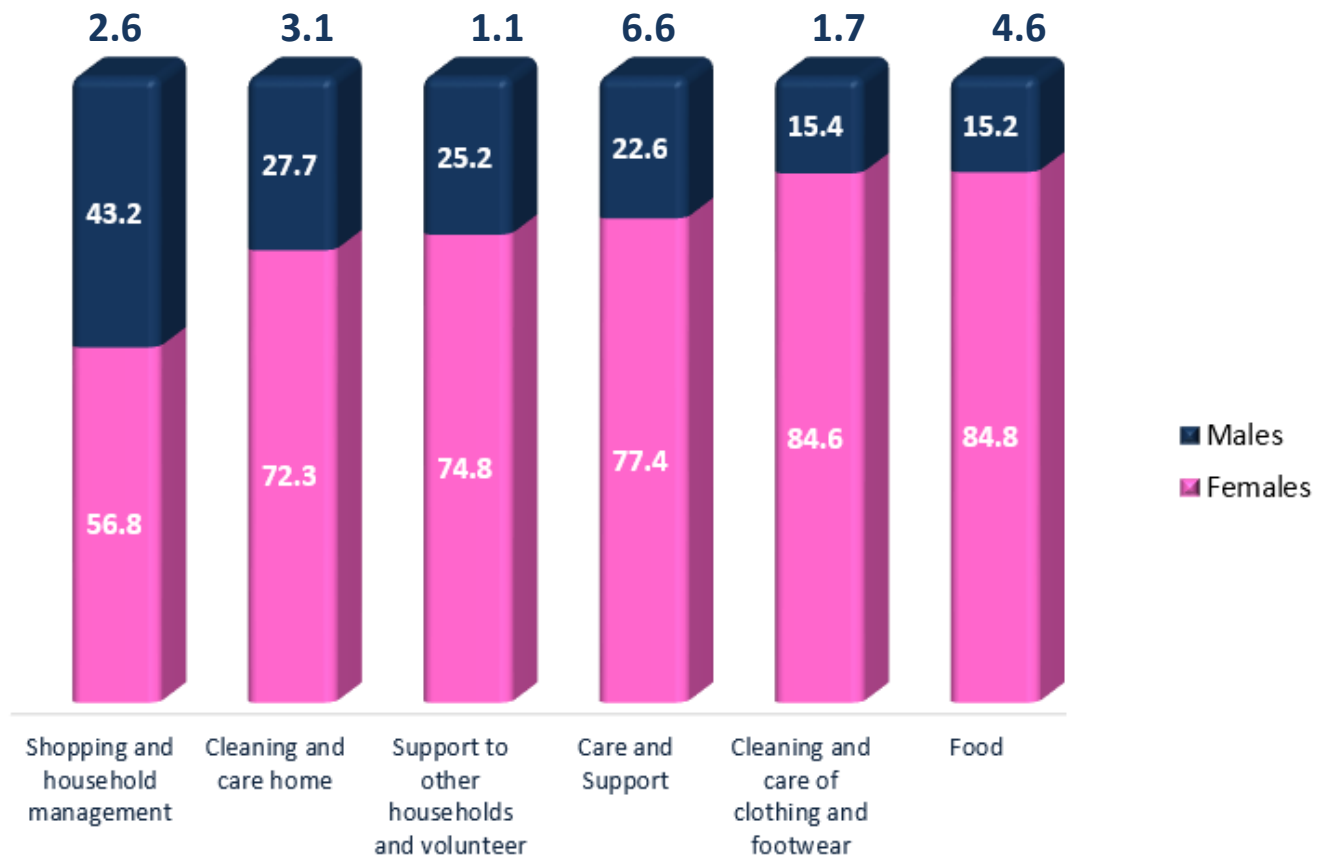
(Percent)

INEGI. Satellite Account of Unpaid Work of Households in Mexico 2012. Preliminary data. In current prices (base year 2008).

Thank you !

Conociendo México

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