



WOMEN'S CONTRIBUTION TO THE ECONOMY- THE PHILIPPINE EXPERIENCE

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OUTLINE OF PRESENTATION



⌘ **CONCEPTS**

⌘ **FRAMEWORK**

⌘ **ESTIMATION METHODOLOGY**

⌘ **RESULTS: 1990-1998**

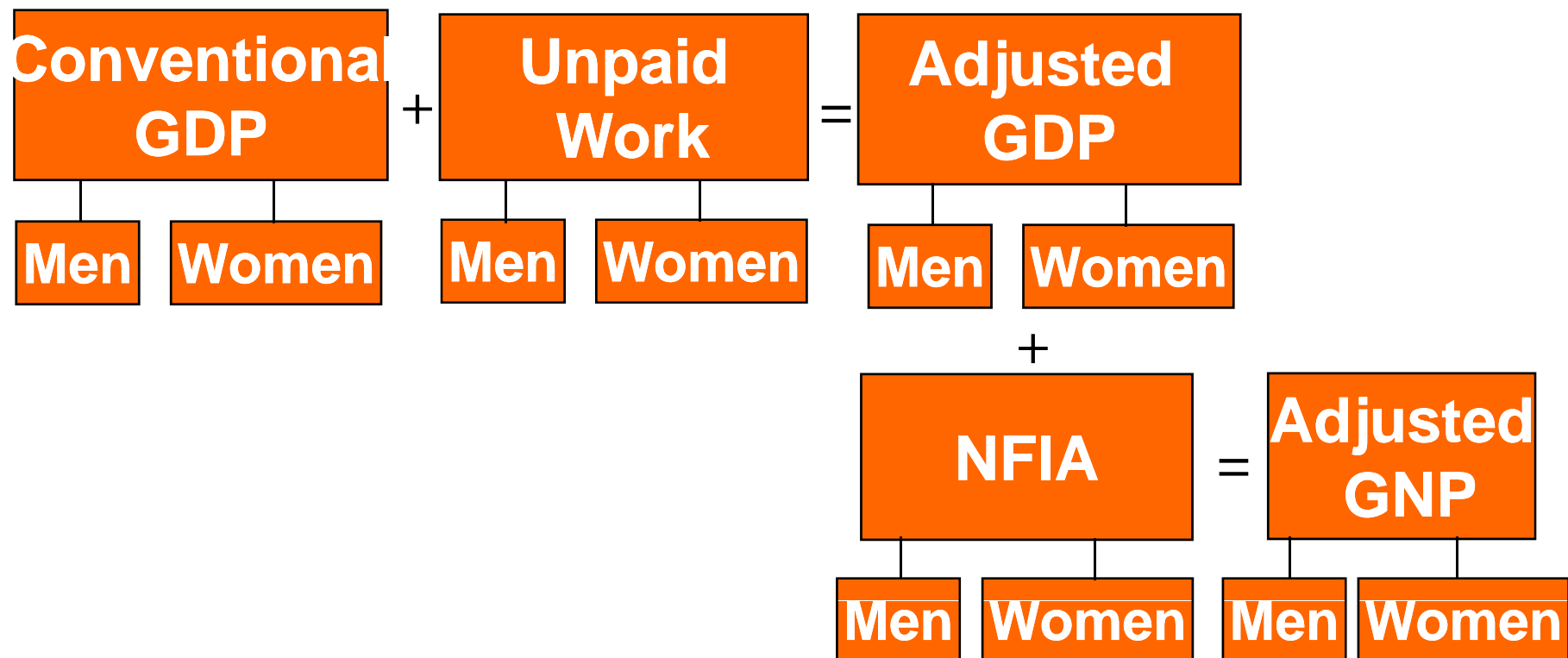
A. CONCEPTS



- 1. System of National Accounts (SNA)**
- 2. Production Boundary**
- 3. Satellite Accounts**

B. Framework

Figure 1. Framework for Measuring the Contribution of Women to the Economy



C. ESTIMATION METHODOLOGY

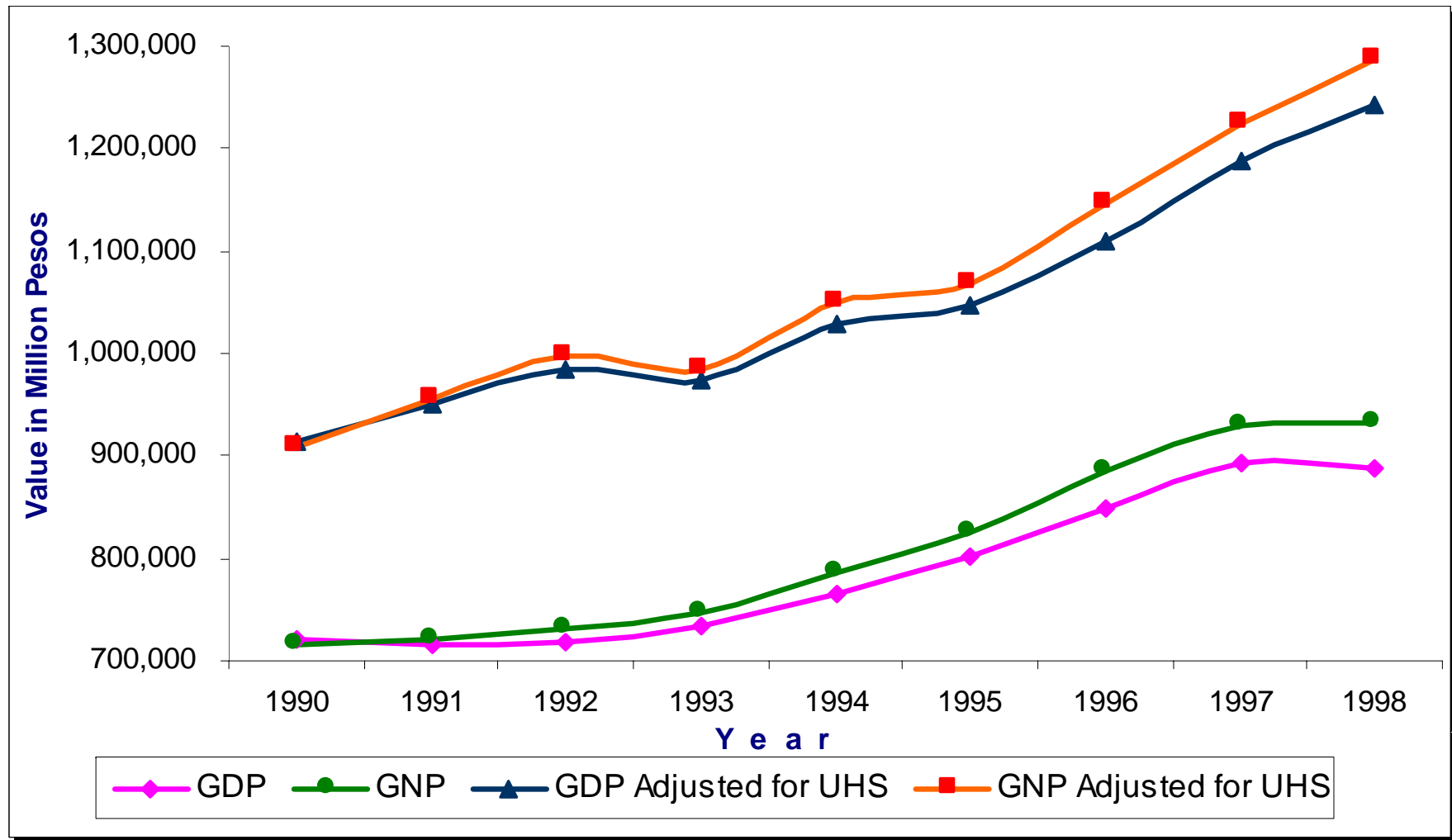


- 1. Conventional GDP by sex**
- 2. Unpaid work by sex**
- 3. NFIA by sex**
- 4. GNP by sex**

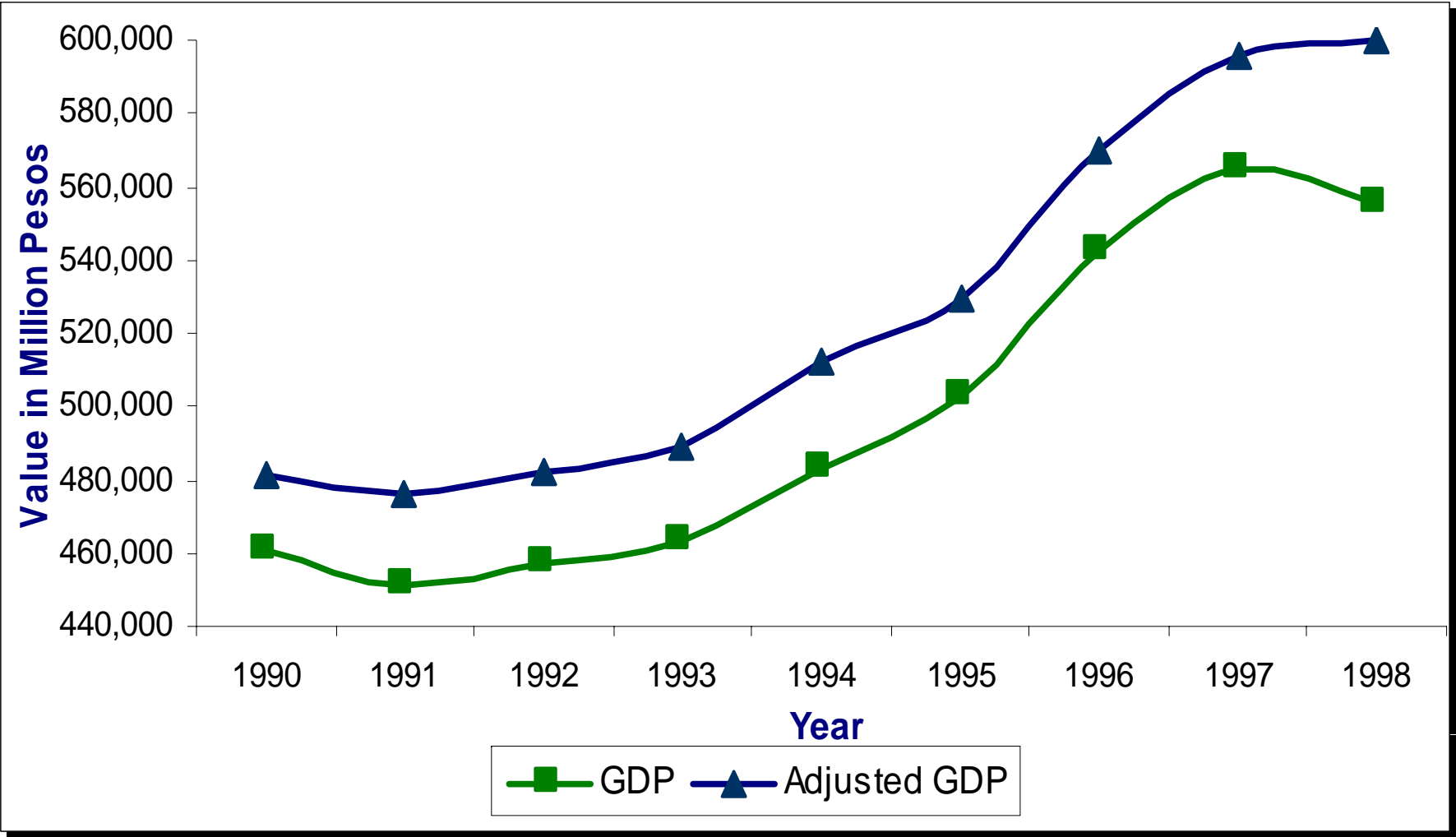
D. RESULTS



GDP and GNP and Adjusted GDP and GNP for Unpaid Housework Services 1990-98, At Constant Prices



GDP and Adjusted GDP: Men



GDP and Adjusted GDP: Women

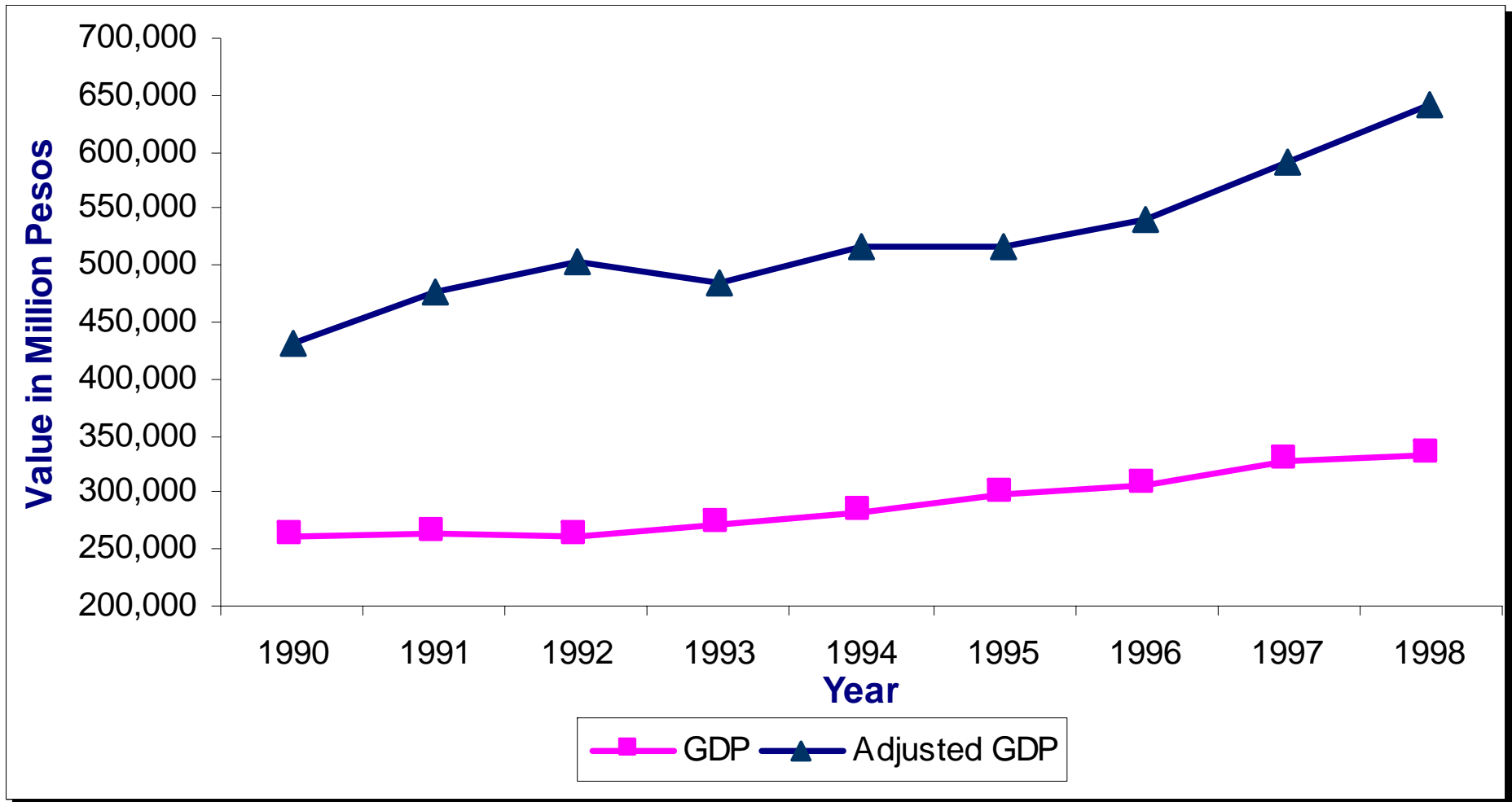


Table 1. Paid / Unpaid Hours, Various Studies

Reference			Average Total Hours of Paid Work / Day		Average Total Hours of Unpaid Work / Day		Ratio of Unpaid Work to Unpaid & Paid Work	
			<i>W</i>	<i>M</i>	<i>W</i>	<i>M</i>	<i>W</i>	<i>M</i>
Lingsom ¹	1975-1985		2.4	4.9	4.5	2.1	0.65	0.3
Canada ²	1992		2.7	4.5	4.5	2.6	0.63	0.37
Japan ³	1991		3.0	5.8	4.0	0.5	0.57	0.08
Miralao ⁴	1979	Single	8.0	6.4	3.0	1.7	0.28	0.21
		Married	7.0	7.4	7.9	2.6	0.53	0.26
NEDA ⁵	1984	Employed	5.6	-	4.3	-	0.44	-
		Unemployed	-	-	-	-	-	-
		Outside the Labor Force	-	-	-	-	-	-
IPC /Ilo ⁶	1985-1990		3.7	5.3	6.6	1.9	0.64	0.26

Cont., Table 1

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- ¹ coverage: Denmark, Norway, United Kingdom, Netherlands, Hungary, US and Canada
Unpaid House Work (UHW) = cooking, shopping, child care, odd jobs around the home and travel time related to these activities
- ² UHW = cooking, housekeeping, maintenance/repair, shopping, child care, volunteer, others
- ³ UHW = housekeeping, elderly care and nursing and shopping
- ⁴ coverage: Municipality of Candelaria and Sta. Cruz in Zambales Province and Barangay Sto. Niño, Marikina, Metro Manila
UHW = marketing, washing clothes, ironing clothes, cleaning house/yard, cooking washing dishes, fetching water, gathering/chopping firewood, sewing/mending clothes, child care
- ⁵ studied women whose
UHW = marketing, laundry, cleaning house, cooking, washing dish gardening and home beautification, baby sitting and caring the children, other unpaid HH dues
- ⁶ coverage: Rural Women and Men in Bicol (1985, 1987, 1990) and Mindanao (1990)
UHW = total home production time

Table 2. Percentage Distribution of GDP by Sex, 1990-1998
At Current Prices

Year	Men		Women	
	Employment	Hours of Work	Employment	Hours of Work
1990	63.47%	63.18%	36.53%	36.82%
1991	62.75%	62.26%	37.25%	37.74%
1992	62.94%	63.06%	37.06%	36.94%
1993	61.90%	62.33%	38.10%	37.67%
1994	61.54%	62.33%	38.46%	37.67%
1995	61.81%	61.78%	38.19%	38.22%
1996	61.67%	62.54%	38.33%	37.46%
1997	61.55%	61.44%	38.45%	38.56%
1998	64.53%	60.52%	35.47%	39.48%
1990-1998	62.46%	62.16%	37.54%	37.84%

Table 3. Percentage Distribution of GVA by Organized and Unorganized Sector by Economic Activity and by Sex (Employment), 1990-1998, At Current Prices

Economic Activity	Average (1990-1998)			
	Men		Women	
	Org	Unorg	Org	Unorg
Average (1990-98)	0.73	0.69	0.27	0.31
Agriculture, Fishery and Forestry	0.84	0.74	0.16	0.26
Mining and Quarrying	0.94	0.91	0.06	0.09
Manufacturing	0.58	0.50	0.42	0.50
Electricity, Gas and Water	0.83	-	0.17	-
Construction	0.94	0.99	0.06	0.01
Wholesale and Retail Trade	0.53	0.30	0.47	0.70
Transportation, Communication and Storage	0.80	0.98	0.20	0.02
Financing, Insurance, Real Estate and Business Services	0.60	0.64	0.40	0.36
Community, Social and Personal Services	0.48	0.44	0.52	0.56

Table 4. Percentage Distribution of Net Factor Income from Abroad by Sex, 1990-1998, At Current Prices

Year	NFIA		Net Compensation		Net Investment Income	
	Men	Women	Men	Women	Men	Women
1990	-120.95%	220.95%	74.07%	25.93%	50.00%	50.00%
1991	262.50%	-162.50%	74.07%	25.93%	50.00%	50.00%
1992	117.37%	-17.37%	74.07%	25.93%	50.00%	50.00%
1993	106.94%	-6.94%	74.07%	25.93%	50.00%	50.00%
1994	84.59%	15.41%	71.20%	28.80%	50.00%	50.00%
1995	76.98%	23.02%	65.57%	34.43%	50.00%	50.00%
1996	75.14%	24.86%	69.59%	30.41%	50.00%	50.00%
1997	75.79%	24.21%	69.59%	30.41%	50.00%	50.00%
1998	78.54%	21.46%	69.59%	30.41%	50.00%	50.00%
1990-98	86.30%	13.70%	71.31%	28.69%	50.00%	50.00%

Table 5. Percentage Distribution of Total Unpaid Hours of Work (Housework Services) By Sex, Employed, Unemployed and Not in the Labor Force (In 000)

	1990		1991		1992		1993	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
A. Employed	27.46%	72.54%	27.30%	72.70%	27.98%	72.02%	27.26%	72.74%
Agriculture, Fishery and Forestry	13.14%	14.97%	13.38%	14.63%	13.60%	16.19%	12.99%	15.75%
Mining and Quarrying	0.24%	0.09%	0.27%	0.10%	0.26%	0.09%	0.22%	0.08%
Manufacturing	2.44%	8.90%	2.60%	9.72%	2.79%	9.98%	2.59%	9.27%
Electricity, Gas and Water	0.15%	0.16%	0.17%	0.14%	0.15%	0.11%	0.17%	0.13%
Construction	1.92%	0.17%	2.00%	0.22%	1.98%	0.20%	2.03%	0.20%
Wholesale and Retail Trade	2.57%	22.12%	2.23%	23.15%	2.31%	23.30%	2.40%	23.12%
Transportation, Communication and Storage	2.47%	0.40%	2.44%	0.43%	2.57%	0.52%	2.76%	0.52%
Finance, Ins, Real Estate and Business Services	0.61%	1.66%	0.57%	1.51%	0.58%	1.54%	0.60%	1.72%
Community, Social and Personal Services	3.91%	24.09%	3.65%	22.80%	3.74%	20.10%	3.49%	21.94%
B. Unemployed	25.98%	74.02%	27.35%	72.65%	27.93%	72.07%	28.40%	71.60%
C. Not in the Labor Force	8.93%	91.07%	8.44%	91.56%	8.53%	91.47%	8.94%	91.06%
TOTAL	10.49%	89.51%	10.14%	89.86%	10.26%	89.74%	10.64%	89.36%

cont., Table 5

	1994		1995		1996	
	MEN	WOMEN	MEN	WOMEN	MEN	WOMEN
A. Employed	27.08%	72.92%	27.00%	73.00%	27.01%	72.99%
Agriculture, Fishery and Forestry	12.78%	14.47%	12.37%	15.19%	11.48%	14.01%
Mining and Quarrying	0.17%	0.04%	0.15%	0.04%	0.17%	0.09%
Manufacturing	2.60%	9.54%	2.51%	9.43%	2.65%	8.83%
Electricity, Gas and Water	0.15%	0.15%	0.15%	0.15%	0.18%	0.12%
Construction	2.08%	0.18%	2.29%	0.17%	2.56%	0.17%
Wholesale and Retail Trade	2.39%	23.75%	2.46%	23.86%	2.55%	23.86%
Transportation, Communication and Storage	2.75%	0.50%	2.85%	0.57%	2.94%	0.61%
Finance, Ins, Real Estate and Business Services	0.57%	1.64%	0.63%	1.81%	0.76%	2.01%
Community, Social and Personal Services	3.60%	22.65%	3.60%	21.77%	3.72%	23.30%
B. Unemployed	28.91%	71.09%	28.10%	71.90%	29.02%	70.98%
C. Not in the Labor Force	8.99%	91.01%	9.10%	90.90%	8.81%	91.19%
TOTAL	10.64%	89.36%	10.79%	89.21%	10.45%	89.55%

Cont., Table 5.

	1997		1998		Average 1990-98	
	MEN	WOMEN	MEN	WOMEN	MEN	WOMEN
A. Employed	26.42%	73.58%	25.81%	74.19%	26.99%	73.01%
Agriculture, Fishery and Forestry	10.95%	13.19%	10.71%	13.22%	12.30%	14.56%
Mining and Quarrying	0.19%	0.07%	0.17%	0.03%	0.20%	0.07%
Manufacturing	2.50%	9.05%	2.40%	8.78%	2.56%	9.26%
Electricity, Gas and Water	0.19%	0.16%	0.19%	0.16%	0.17%	0.14%
Construction	2.62%	0.27%	2.27%	0.24%	2.21%	0.20%
Wholesale and Retail Trade	2.62%	24.40%	2.53%	24.42%	2.46%	23.60%
Transportation, Communication and Storage	3.03%	0.67%	3.10%	0.74%	2.79%	0.56%
Finance, Ins, Real Estate and Business Services	0.68%	1.97%	0.71%	2.01%	0.64%	1.78%
Community, Social and Personal Services	3.64%	23.79%	3.74%	24.60%	3.68%	22.84%
B. Unemployed	29.41%	70.59%	31.36%	68.64%	28.60%	71.40%
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
C. Not in the Labor Force	8.80%	91.20%	11.24%	88.76%	9.14%	90.86%
TOTAL	10.47%	89.53%	12.79%	87.21%	10.80%	89.20%

Table 7. Percentage Distribution of Total Value of Unpaid Hours (Housework Services) by Sex for All, 1990-1998, At Current Prices, Opportunity Cost and Market Price

Year	Employed				Unemployed		Not in the Labor Force	
	Men		Women		Men	Women	Men	Women
	OC	MP	OC	MP	MP		MP	
1990	26.33%	28.16%	73.67%	71.84%	26.66%	73.34%	9.22%	90.78%
1991	26.17%	27.89%	73.67%	72.11%	27.95%	72.05%	8.67%	91.33%
1992	26.30%	25.99%	73.70%	74.01%	25.94%	74.06%	7.78%	92.22%
1993	25.87%	27.73%	74.13%	72.27%	28.89%	71.11%	9.14%	90.86%
1994	26.25%	27.64%	73.75%	72.36%	29.49%	70.51%	9.22%	90.78%
1995	26.43%	27.39%	73.57%	72.61%	28.50%	71.50%	9.26%	90.74%
1996	26.90%	27.61%	73.10%	72.39%	29.65%	70.35%	9.05%	90.95%
1997	26.50%	26.55%	73.50%	73.45%	29.54%	70.46%	8.85%	91.15%
1998	28.58%	26.28%	71.42%	73.72%	31.89%	68.11%	11.48%	88.52%
1990-98	26.74%	27.10%	73.26%	72.90%	29.21%	70.79%	11.07%	88.93%

Table 8. Percentage Distribution of Value of Unpaid Hours
(Housework Services) to GDP/GNP, At Current Prices

Year	% to GDP						% to GNP					
	Total		Men		Women		Total		Men		Women	
	OC/MP	MP	OC/MP	MP	OC/MP	MP	OC/MP	MP	OC/MP	MP	OC/MP	MP
1990	27.61%	26.68%	3.11%	2.89%	24.49%	23.80%	27.76%	26.83%	3.13%	2.90%	24.63%	23.93%
1991	33.58%	32.81%	3.60%	3.42%	29.98%	29.39%	33.40%	32.63%	3.58%	3.40%	29.82%	29.23%
1992	37.76%	36.97%	3.67%	3.46%	34.08%	33.51%	37.12%	36.34%	3.61%	3.40%	33.51%	32.94%
1993	33.33%	32.48%	3.73%	3.53%	29.60%	28.95%	32.76%	31.92%	3.67%	3.47%	29.09%	28.45%
1994	35.10%	34.35%	3.93%	3.75%	31.17%	30.60%	34.22%	33.49%	3.83%	3.66%	30.39%	29.84%
1995	31.24%	30.45%	3.54%	3.34%	27.70%	27.11%	30.40%	29.64%	3.44%	3.25%	26.96%	26.38%
1996	31.53%	30.77%	3.50%	3.30%	28.03%	27.46%	30.28%	29.55%	3.36%	3.17%	26.92%	26.38%
1997	33.76%	33.04%	3.67%	3.48%	30.09%	29.56%	32.40%	31.71%	3.52%	3.34%	28.88%	28.37%
1998	39.10%	38.51%	5.76%	5.03%	37.31%	33.47%	37.32%	36.76%	4.99%	4.80%	32.33%	31.95%
1990-98	33.67%	32.90%	3.84%	3.58%	30.27%	29.32%	32.85%	32.10%	3.68%	3.49%	29.17%	28.61%

Table 9a. Percentage Distribution of GDP and GNP Adjusted for Unpaid Housework services By Sex Using Hours of Work, Employed-Opportunity Cost; Unemployed and Not in the Labor-Market Price, In Million Pesos At Current Prices

Year	GDP Adjusted			GNP Adjusted		
	Total	Men	Women	Total	Men	Women
1990	100.0%	51.95%	48.05%	100.0%	52.69%	47.31%
1991	100.0%	49.31%	50.69%	100.0%	50.14%	49.86%
1992	100.0%	48.45%	51.55%	100.0%	49.30%	50.70%
1993	100.0%	49.54%	50.46%	100.0%	50.29%	49.71%
1994	100.0%	49.04%	50.96%	100.0%	49.71%	50.29%
1995	100.0%	49.77%	50.23%	100.0%	50.33%	49.67%
1996	100.0%	50.21%	49.79%	100.0%	50.97%	49.03%
1997	100.0%	48.68%	51.32%	100.0%	49.50%	50.50%
1998	100.0%	47.27%	52.73%	100.0%	48.30%	51.70%
1990-98	100.0%	49.4%	50.6%	100.0%	50.1%	49.9%

Table 9b. Percentage Distribution of GDP and GNP Adjusted for Unpaid Housework Services By Sex using Hours of Work, Employed, Unemployed and Not in the Labor Force-Market Price, In Million Pesos
At Current Prices

Year	GDP Adjusted			GNP Adjusted		
	Total	Men	Women	Total	Men	Women
1990	100.0%	52.15%	47.85%	100.0%	52.89%	47.11%
1991	100.0%	49.46%	50.54%	100.0%	50.29%	49.71%
1992	100.0%	48.57%	51.43%	100.0%	49.42%	50.58%
1993	100.0%	49.71%	50.29%	100.0%	50.46%	49.54%
1994	100.0%	49.18%	50.82%	100.0%	49.85%	50.15%
1995	100.0%	49.92%	50.08%	100.0%	50.48%	49.52%
1996	100.0%	50.35%	49.65%	100.0%	51.11%	48.89%
1997	100.0%	48.80%	51.20%	100.0%	49.62%	50.38%
1998	100.0%	47.33%	52.67%	100.0%	48.37%	51.63%
1990-98	100.0%	49.5%	50.5%	100.0%	50.3%	49.7%

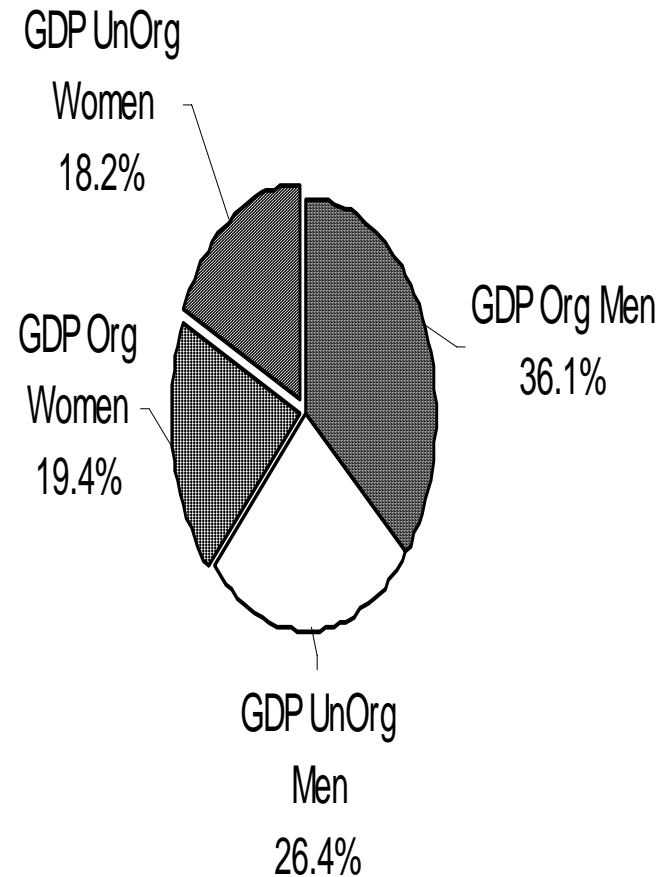
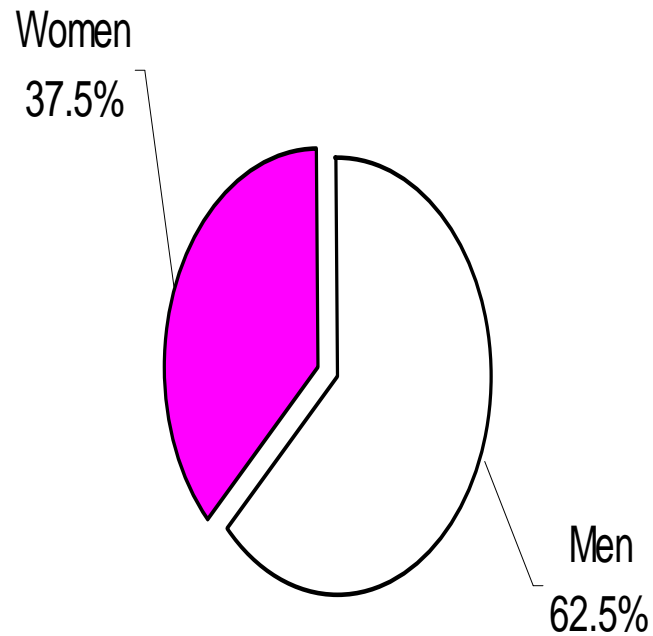
Table 10a. Percentage Distribution of Paid Work (GDP/GNP) to Total Paid and Unpaid Housework Services (GDP/GNP Adjusted) By Sex, In Million Pesos At Current Prices

Year	GDP/GDP Adjusted			GNP/GNP Adjusted		
	Total	Men	Women	Total	Men	Women
1990	77.94%	95.31%	60.05%	78.27%	95.35%	59.26%
1991	75.26%	94.53%	55.73%	74.96%	94.65%	55.17%
1992	73.84%	94.49%	52.01%	72.93%	94.66%	51.80%
1993	76.31%	94.35%	56.00%	75.32%	94.51%	55.92%
1994	75.92%	94.07%	54.72%	74.51%	94.26%	54.98%
1995	78.30%	94.58%	57.98%	76.69%	94.75%	58.38%
1996	79.16%	94.70%	57.20%	76.76%	94.94%	57.86%
1997	77.90%	94.36%	56.17%	75.53%	94.62%	56.81%
1998	75.31%	92.04%	53.83%	72.82%	92.47%	54.46%
1990-98	76.66%	94.27%	55.97%	75.31%	94.47%	56.07%

Table10b. Percentage Share of Women to GDP/GNP and GDP/GNP Adjusted for Unpaid Housework Services By Sex Using Hours of Work, Employed, Unemployed and Not in the Labor-Market Price, In Million Pesos, At Current Prices

Year	GDP/GDP Adjusted			GNP/GNP Adjusted		
	Total	Men	Women	Total	Men	Women
1990	78.51%	95.63%	60.74%	78.85%	95.67%	59.95%
1991	75.69%	94.80%	56.22%	75.40%	94.90%	55.66%
1992	74.27%	94.80%	52.43%	73.34%	94.95%	52.23%
1993	76.80%	94.64%	56.55%	75.80%	94.79%	56.47%
1994	76.34%	94.33%	55.18%	74.91%	94.51%	55.43%
1995	78.77%	94.87%	58.50%	77.14%	95.03%	58.90%
1996	79.62%	94.98%	57.70%	77.19%	95.21%	58.36%
1997	78.32%	94.64%	56.61%	75.93%	94.89%	57.25%
1998	75.64%	92.32%	54.12%	73.12%	92.74%	54.75%
1990-98	77.11%	94.55%	56.45%	75.74%	94.74%	56.56%

GDP (EMP-Based): by Sex and Organized and Unorganized Sector Average (1990-98), At Current Prices



CONTRIBUTION OF WOMEN IN THE CONVENTIONAL GDP (EMP-Based)

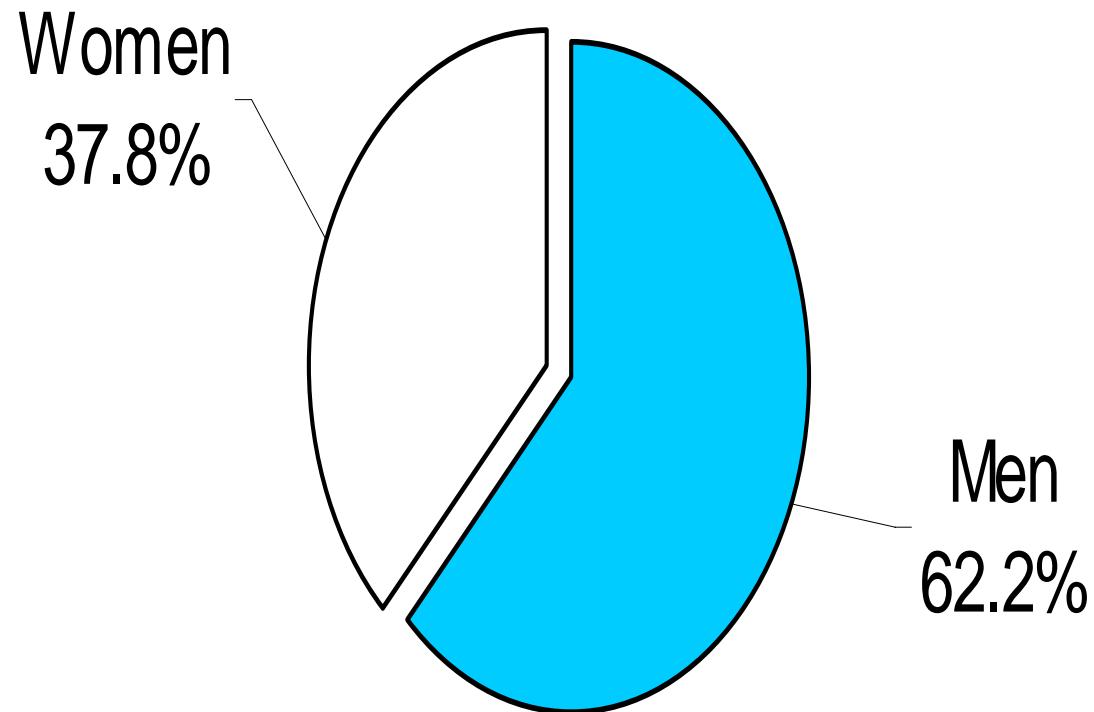


a. organized	- 31 %
high in:	
wholesale and retail trade	- 48 %
manufacturing	- 42%
financing, ins., real estate, business	- 41%
low in:	
agri, fishery and forestry	- 16 %
mining and quarrying	- 6 %
construction	- 6%

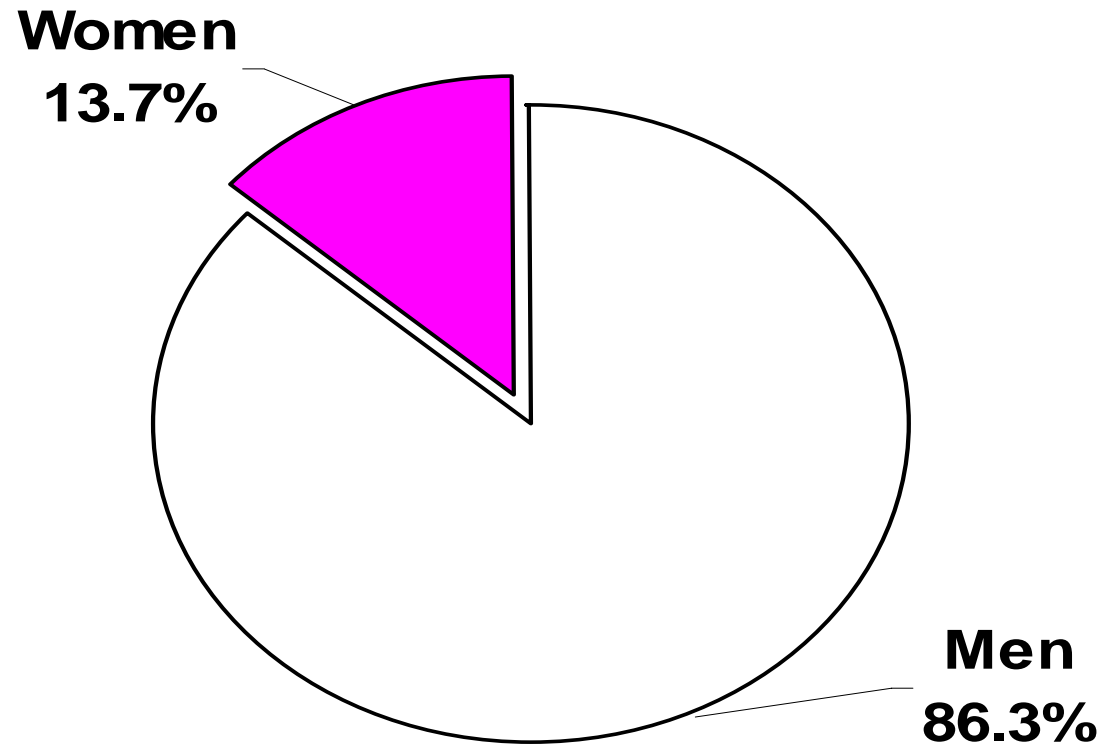
CONTRIBUTION OF WOMEN TO THE CONVENTIONAL GDP (EMP-Based)

b. unorganized	- 27 %
high in:	
wholesale and retail trade	- 70 %
community social and personal services	- 56 %
manufacturing	- 50%
low in:	
mining and quarrying	- 9 %
transportation, comm. and storage	- 2 %
construction	- 1%

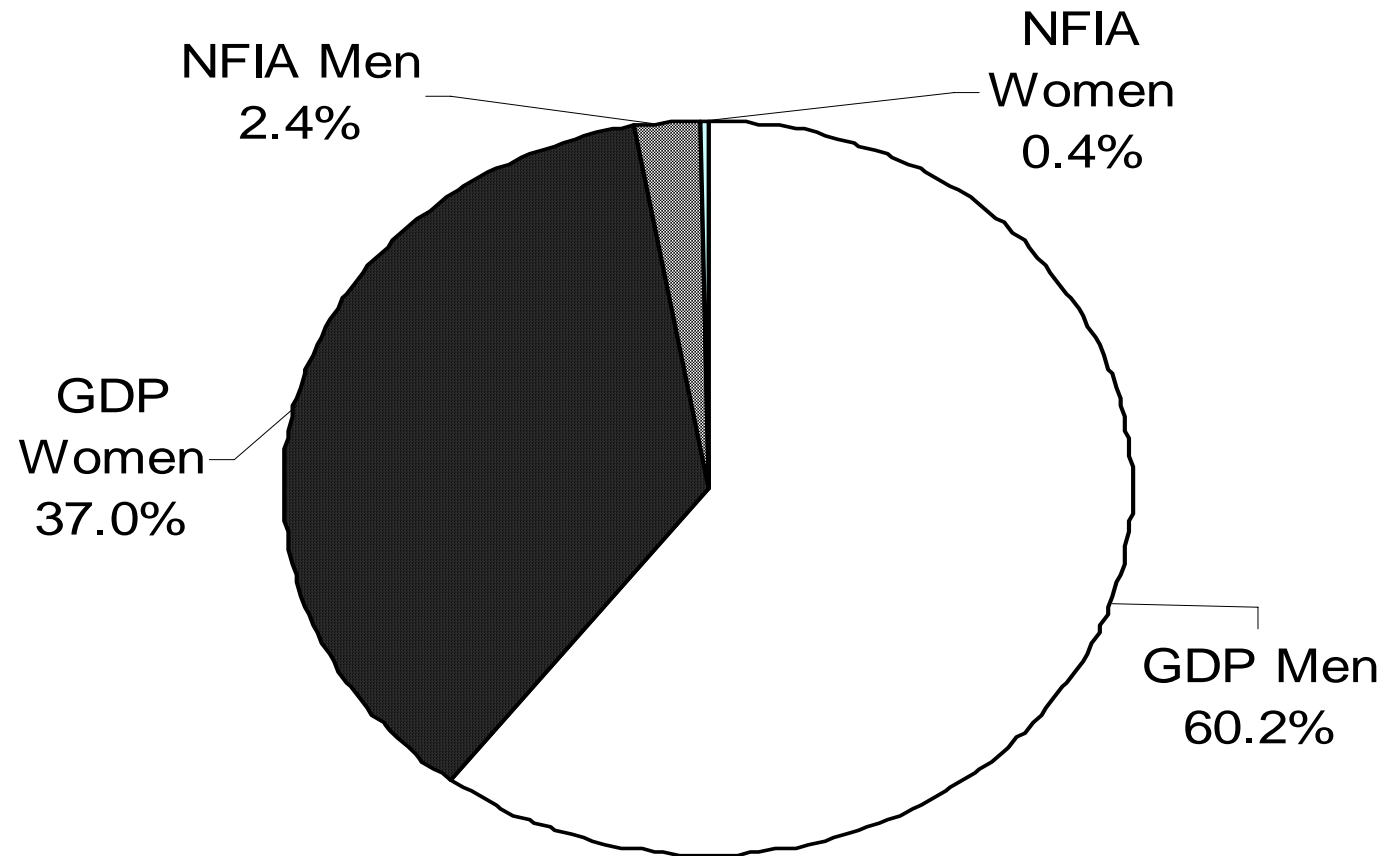
GDP (# of hours worked) by Sex Average (1990-98), At Current Prices



CONTRIBUTION OF WOMEN TO THE NFIA (1990-1998)



Gross National Product (# of hours worked) by Sex, Average (1990-98) At Current Prices



UNPAID HOURS OF WORK OF WOMEN



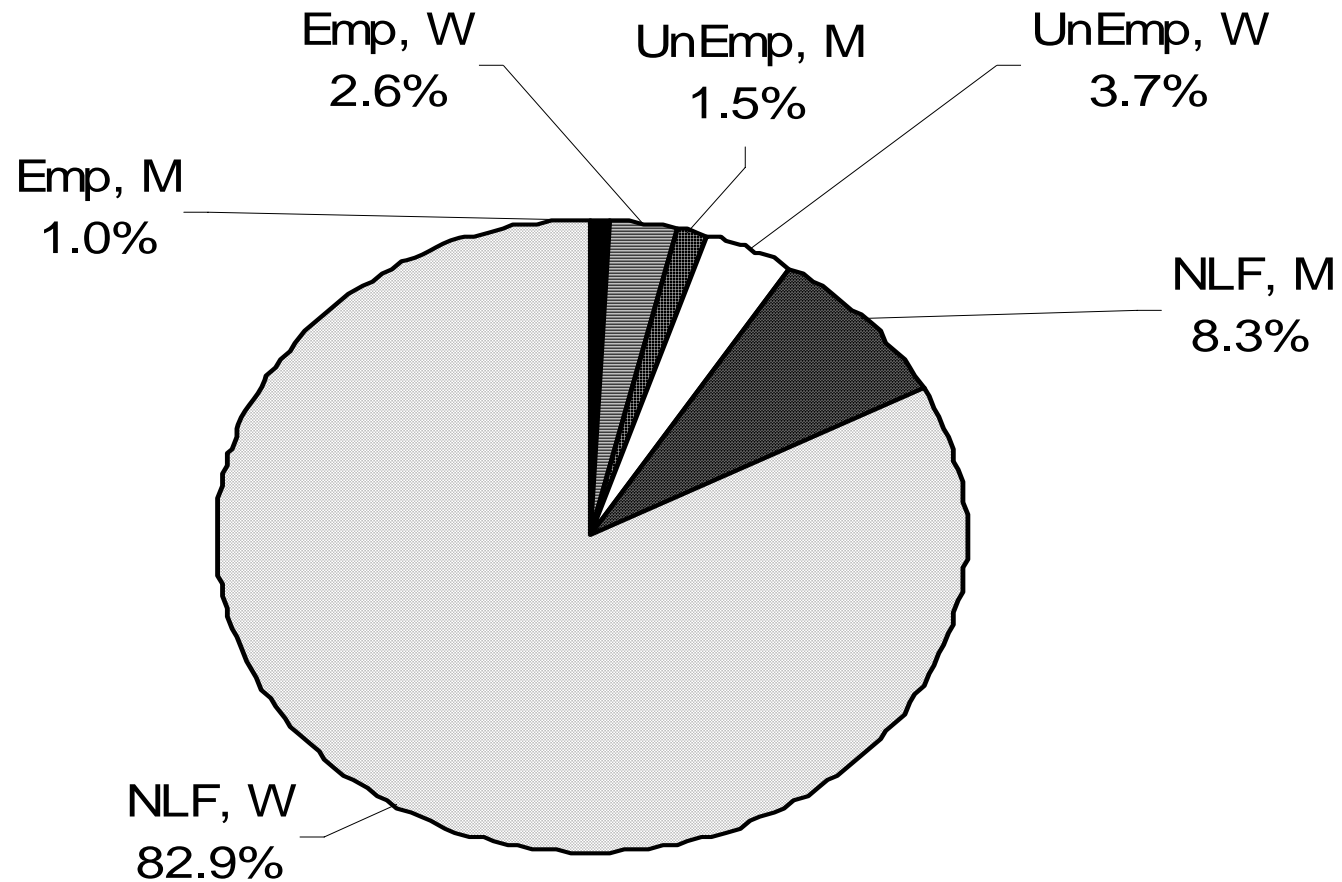
3.1 Number of hours worked

- | | |
|----------------------------|--|
| a. total | 89 % |
| b. employed and unemployed | 71-73 % |
| c. not in the labor force | 91 % |
| d. by economic activity | women are higher
in most which
comprised 79%
of GNP |

3.2 Monetary values (in Pesos)

- | | |
|----------|------|
| a. total | 89 % |
|----------|------|

Total Unpaid Hours of Work, by Sex, Employed, Unemployed and Not in the Labor Force, At Current Prices



COMPARATIVE RATIOS

☒ UNPAID WORK /GDP

men	4%
women	30%

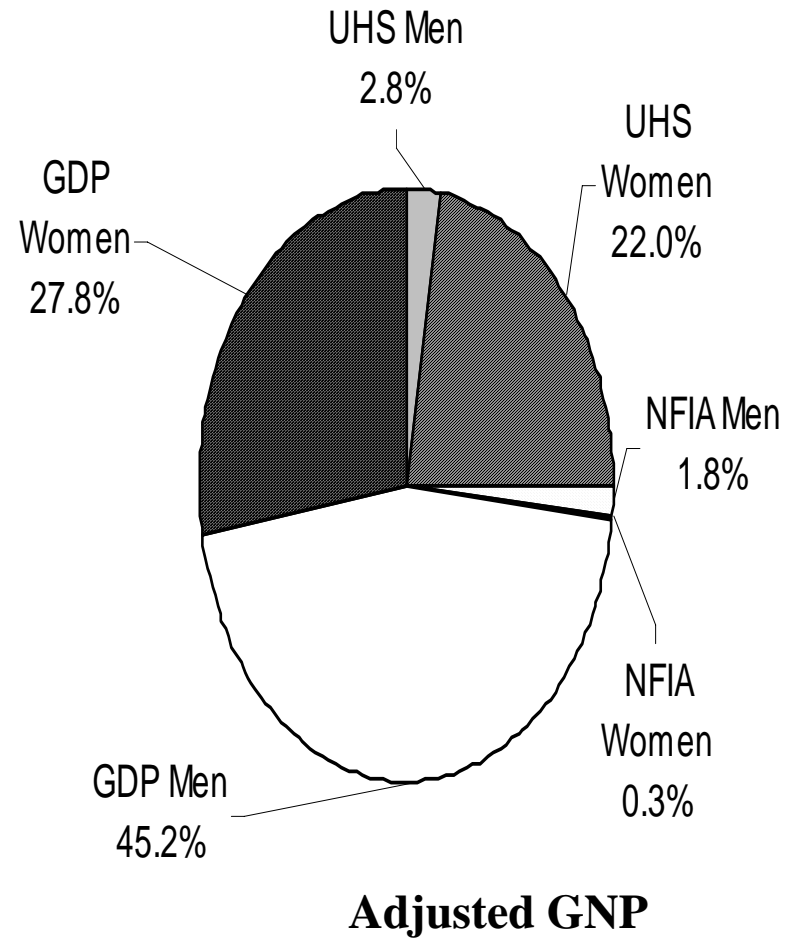
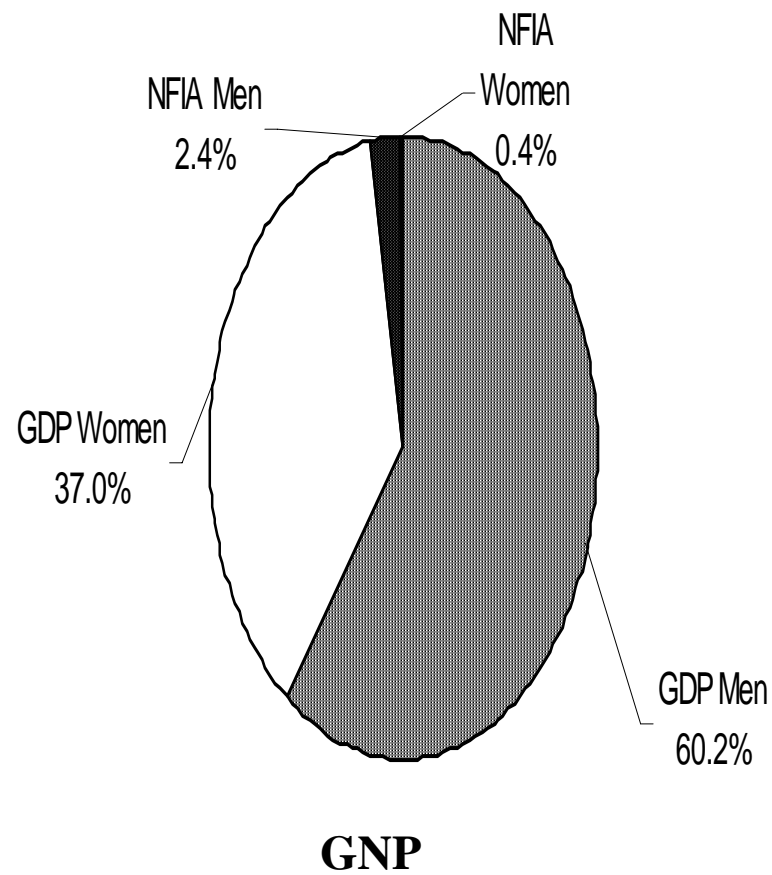
☒ WOMEN'S SHARE

GDP	38 %
Adjusted GDP	51 %
GNP	37 %
Adjusted GNP	50 %

☒ ACCOUNTED IN THE CONVENTIONAL GNP

Women's work	57 %
Men's work	95 %

GNP and Adjusted GNP, Average (1990-98) At Current Prices





THE END