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STATISTICAL COMMISSION and ECONOMIC COMMISSION FOR EUROPE

on Measurement of the Quality of Employment

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CONFERENCE OF EUROPEAN STATISTICIANS

Joint UNECE-Eurostat-ILO Seminar

2001 ad hoc module on length and patterns of working time

Supporting paper submitted by the Instituto Nacional de Estadistica of Spain¹

Introduction

1. The Community Labour Force Survey (EFT) is carried out in a co-ordinated way in the European Union, according to Council regulation 577/98 regarding the organization of a sampling survey of the Community's labour force (European Communities official gazette L-77, March 14).

2. In Spain, the EFT is part of its own Labour Force Survey (EPA), which has been adapted to the above regulation as from the first quarter of 1999. This same regulation stipulates that the EFTs of the second quarters of each year, should include a number of questions on specific topics referred to the labour market.

3. During the second quarter of 2001, the specific labour relationships and the working conditions and hours have been investigated according to Commission Regulation 1575/2000 of July 19. The questions address the employed, except family workers. Below, a description is given of the methodology applied.

4. The module has been co-financed by EUROSTAT and the National Statistical Institute of Spain.

1 Paper written by Mr. Miguel Angel Garcia Martinez.

STATISTICAL OFFICE OF THE **EUROPEAN COMMUNITIES (EUROSTAT)**

INTERNATIONAL LABOUR ORGANIZATION

Survey designs

5. The ad hoc module of specific labour relationships and working conditions and hours has been carried out together with the 2001 EPA (second quarter), its survey design thus being the same as that of the EPA. Its main characteristics are described below (for more information, see the National Statistical Institute's publications: EPA, Technical Manual and EPA. Description of the survey, definitions and instructions for the filling in of the questionnaire.)

6. The EPA is a sampling, continuous and quarterly survey for the entire country. It addresses the population living at main family dwellings, which are those used as the habitual and permanent dwelling during the whole year or most of it. Collective households (hospitals, homes, barracks, convents,...) and secondary or seasonal dwellings are not included in the survey.

7. It has a two-staged stratified sampling; its first stage units are census sections and those of the second stage are family dwellings. All the people who live in the selected dwellings are surveyed. The sampling size is made up of 3.484 sections; about 18 dwellings of each section are interviewed, which amounts to approximately 62.000 dwellings in the quarter.

8. Territorially, the sample has been distributed according to an allocation that compromises between proportion and uniformity, in order to produce provincial (NUTS 3) and autonomous communities estimates (NUTS 2). On the other hand, the sample is evenly distributed over the thirteen weeks of the quarter, about 5.000 dwellings being interviewed each week.

9. The sections sample is divided into 6 sub-samples, rotating shifts, and each quarter the dwellings of one shift are replaced. This system makes it possible for each family to be interviewed six consecutive quarters while being replaced by another family of the same section after the six quarter period is over.

10. Field work is conducted by National Statistical Institute's interviewers in its 52 regional offices. The first interview is personal; the second and further ones are held by telephone, except when the family as no telephone or prefers the personal interview. All of them are carried out by means of a hand-held or laptop computer. The total effective sampling size of the module was 59.000 households. The questionnaire is shown in annexe I.

11. All the concepts tackled are the usual ones of labour surveys. The only difficulties may arise from rotation work and min-max contracts. The former refers to the type of work carried out by a group of employees fulfilling the same activities by turns at the same place. The min-max contract fixes the minimum and maximum working hours per week or month.

Analysis of results

12. Now a description is given of the module's main findings. Table 4 of the results annexe (annexe II) shows that the figure of the employed to which the module refers, is 14.137.100, 8.929.600 of which are men and 5.207.400 women. The figure of the employed in the second quarter of 2001, minus family workers, was 14.420.400. The difference, 283.300 is accounted for by non response. The table analyzes the workers according to whether they themselves decide or not their working method and hours. The result is that 19,2% do decide their own working method and hours (a percentage that more or less coincides with that of own account workers) against 80,8 % who do not. By sex, the percentage of men who decide their method and hours (21,5%) is higher than that of women (15,1).

13. Table 5 analyzes whether the employed habitually work for a single enterprise or client or for several. For the national total amount, the latter concept- that of working for several enterprises or clients – is 18,0% against 82,0% of those working for a single one. By sex, the latter percentage is higher for women (84,9%), that of men being 80,3%.

14. Table 6 analyzes whether the labour relationship-or the enterprise or business – disappears once the service is accomplished or the work is done. The percentages of the total are 86,2% for those who do not put an end to the relationship (or do not close the enterprise or trade), whereas the remaining 13,8% do. By sex, in the latter instance women represent 10,4%, against 15,7% of men.

15. There is a contract modality, the contract for given work or service, which is applicable precisely to specific commitments to be carried out only once. There are 1.067.200 seasonal wage earners with this type of contract, a figure that is b elow that of the 2.192.00 employed who declare they finish their contract or close the enterprise when the current work or service is over. This means that said contract for a given work or service does not cover all the real possibilities to which it applies in theory.

16. So far for the data regarding the employed, that is wage earners and not wage earners. The above three tables show that the employed who do not decide their working method and hours, as well as those who work for a single enterprise and those whose labour relationship, enterprise or trade do not disappear at the end of the work or service, are over 80% of the total population.

17. The following tables are exclusively concerned with wage earners. Their number in the module is 11.458.300 against the 11.696.000 of the EPA of the second quarter of 2001.

18. Table 7 refers to the average number of overtime hours worked by wage earners during the reference week, according to the occupation in the employment. In terms of gender, figures for women are below those for men, except in the categories of Supporting Technicians and Professionals and Unqualified workers.

19. Table 8 is connected with table 7. It shows, also according to occupations, the amount of overtime hours that have been paid. On average, only 60% of overtime hours have been paid. Craftsmen and industrial workers are those of the highest percentage of paid overtime hours (86%).

20. Table 9 shows the different types of shifts. They are distributed in age and sex groups. The total wage earners working in shifts is 2.003.300. The highest percentage is that of the fixed shifts (34,6%); the lowest (0,7%) is the Monday to Friday day and night shifts. Considered by sex, percentages for women are below that of men and below the total, except for the fixed and other types of shifts which are above both these groups.

21. Table 10, which contains results regarding the different types of schedules, highlights the 87,7% of fixed starting and ending hours, the remaining figures ranging between 0,9 and 5,3%, which respectively correspond to the timetable established by the worker and to the flexible starting and ending hours. The table shows that the timetable is less rigid for elderly workers.

22. Table 11 on wage earners with flexible timetables, reveal those who do not have a system of accumulative working hours, paid with free days or weeks; they are 94,4% of the total, against the 5,6% who do dispose of these hours.

23. Table 12 explains why a team with a shift system is used. The figures of the two reasons that are analyzed in the module – personal decision and no other job found – only differ slightly (49,2 and 50,8% respectively). By sex, whereas the figures for men remain similar to the total (47,9 and 52,1%), the

CES/SEM.48/14 page 4

predominant ratio for women is inverted, that is 51,4% for the personal decision and 48,6 because no other job is found.

24. Finally, table 13 states the reasons for a min-max, a to measure order or flexible work hours (beginning and ending) contract. 58,2% have one of these contracts by personal decision whereas 41,8 have it because no other job was found.

ANNEXE I.

Questionnaire

QUESTIONNAIRE OF THE MODULE FOR THE SECOND QUARTER OF 2001

Filter of the module: the module will be answered by all those older than 16 years, employed and whose occupational situation is not that of family workers. Men doing military service are also excluded.

M. Special labour relationships and working conditions and hours Do you decide your own working method and hours ?

Yes	1
No Do you work for a single enterprise or client ?	6
Yes, I work for a single enterprise or client	1
No, I work for more than one enterprise or client	6

3 If you are not a wage earner, that is D3=1-5 or 9:

Is your labour relationship or contract of such a nature that the enterprise or business ceases to exist when the service comes to an end ?

If you are a wage earner and your contract is temporary, indicate

- whether it is seasonal, or
- verbal, not included in the above options, or
- of another type, or
- you do not know

that is, when D3=7,8 and D6=4,8-10

Do you have a labour relationship or a contract that comes to an end when the service is over ?

(that is, is it a contract for a work or a service instead of a contract for a prefixed time ?)

Yes No

1 6

If your occupational situation is that of a non wage earner, i.e.D3=1-5 or 9: End of the module

If the effective hours are 0, i.e.D17=0: go to 8

If the amount of habitual hours is under the effective hours because you worked overtime, *i.e.*D16<D17 and D18=17: go to 5

Did you work overtime during the reference week ?							
Yes	1						
No	6 go to 8						
5 How many hours did you work overtime during the reference week ?							
Number of hours							
6 Have these overtime hours been paid to you ?							
No, none	1 go to 8						
Yes, all of them	2 go to 8						
Yes, some of them	3						
7 How many overtime hours have been paid to you ? Number of paid overtime hours							
8 Of what type is your working time-table ?							
Fixed starting and finishing hours	1 go 1º 10						
Variable weekly timetable fixed by the employer up							
to a maximum of annual hours	2 go to 10						
Flexible starting and finishing hours	3						
Timetable fixed by mutual agreement with the employer	4 go to 10						
Timetable fixed by the person concerned	5 go to 10						
Others	6 go to 10						

9 Do you profit of a system of accumulative working hours, paid with free hours, days or weeks ?

Yes	1
No	6

10. Does your contract fix a minimum amount of hours per week or month ?Yes1

6

1

6

1

6

If your answer is yes, go to 12

11 Did you come to an agreement with an employer by which you will be available when needed (on call work)?

Yes	
-----	--

No

If your working timetable is not adjusted to codes 2,3 of question 8 (M8<>2,3) and you have no agreement with an employer for on measure work (M11<>1, go to box before 13.

12 Reason why you have a work contract or labour relationship with a minimum of weekly or monthly hours or by which you carry out on measure work or are working according to the M8 time-tables 2 and 3

Personal decision (it was the kind of contract

you were looking for)

You could not find another job

If you do not work according to a system of shifts (D25=1): End of the module

13 Reason why you belong to a team that works according to

a system of shifts

Personal decision (it was the kind of work

you were looking for)

You could not find another job

6

1

No

ANNEX II. Tables of results

Sex and	Total		Do not decide method nor ho	working ours	Do decide working method and hours		
Age	Abs. Value	%	Abs. Value	Abs. Value %		%	
Both sexes	14,137.1	100.0	11,427.9	80.8	2,709.2	19.2	
Aged 16 to 24	1,753.5	100.0	1,661.1	94.7	92.5	5.3	
Aged 25 to 34	3,844.5	100.0	3,349.0	87.1	495.5	12.9	
Aged 35 to 44	3,822.0	100.0	3,040.8	79.6	781.2	20.4	
Aged 45 to 54	3,031.6	100.0	2,289.1	75.5	742.5	24.5	
Aged 55 or older	1,685.4	100.0	1,087.9	64.5	597.5	35.5	
Men	8,929.6	100.0	7,005.5	78.5	1,924.1	21.5	
Aged 16 to 24	1,039.4	100.0	979.7	94.3	59.6	5.7	
Aged 25 to 34	2,277.0	100.0	1,936.7	85.1	340.3	14.9	
Aged 35 to 44	2,367.4	100.0	1,812.2	76.5	555.2	23.5	
Aged 45 to 54	2,024.2	100.0	1,494.0	73.8	530.1	26.2	
Aged 55 or older	1,221.7	100.0	782.8	64.1	438.9	35.9	
Women	5,207.4	100.0	4,422.3	84.9	785.1	15.1	
Aged 16 to 24	714.2	100.0	681.3	95.4	32.8	4.6	
Aged 25 to 34	1,567.5	100.0	1,412.2	90.1	155.3	9.9	
Aged 35 to 44	1,454.6	100.0	1,228.6	84.5	226.0	15.5	
Aged 45 to 54	1,007.5	100.0	795.1	78.9	212.4	21.1	
Aged 55 or older	463.7	100.0	305.1	65.8	158.6	34.2	

Table 1. Employed by sex, age and according to whether they decide or not their own working method and hours. (absolute values in thousands)

Sex and	Total		Work for several enterprises or cli	ents	Work for a single enterprise or client			
Age	Abs. Value	%	Abs. Value	%	Abs. Value	%		
Both sexes	14,137.1	100.0	2,551.3	18.0	11,585.7	82.0		
Aged 16 to 24	1,753.5	100.0	113.9	6.5	1,639.6	93.5		
Aged 25 to 34	3,844.5	100.0	502.0	13.1	3,342.6	86.9		
Aged 35 to 44	3,822.0	100.0	729.9	19.1	3,092.1	80.9		
Aged 45 to 54	3,031.6	100.0	687.8	22.7	2,343.9	77.3		
Aged 55 or older	1,685.4	100.0	517.8	30.7	1,167.6	69.3		
Men	8,929.6	100.0	1,763.3	19.7	7,166.3	80.3		
Aged 16 to 24	1,039.4	100.0	72.4	7.0	967.0	93.0		
Aged 25 to 34	2,277.0	100.0	334.2	14.7	1,942.8	85.3		
Aged 35 to 44	2,367.4	100.0	497.6	21.0	1,869.8	79.0		
Aged 45 to 54	2,024.2	100.0	485.7	24.0	1,538.5	76.0		
Aged 55 or older	1,221.7	100.0	373.4	30.6	848.3	69.4		
Women	5,207.4	100.0	788.0	15.1	4,419.4	84.9		
Aged 16 to 24	714.2	100.0	41.5	5.8	672.7	94.2		
Aged 25 to 34	1,567.5	100.0	167.7	10.7	1,399.8	89.3		
Aged 35 to 44	1,454.6	100.0	232.3	16.0	1,222.3	84.0		
Aged 45 to 54	1,007.5	100.0	202.1	20.1	805.4	79.9		
Aged 55 or older	463.7	100.0	144.4	31.1	319.3	68.9		

Table 2. Employed by sex, age and according to whether they habitually work for a single enterprise or client, or for several. (absolute values in thousands)

			Labour relation	nship or t	he enterprise o	r trade		
Sex and	TOTAL		Do not end	Do end				
Age	Abs. Value	%	Abs. Value	%	Abs. Value	%		
Both sexes	14,137.1	100.0	12,192.0	86.2	1,945.1	13.8		
Aged 16 to 24	1,753.5	100.0	1,430.3	81.6	323.2	18.4		
Aged 25 to 34	3,844.5	100.0	3,275.4	85.2	569.1	14.8		
Aged 35 to 44	3,822.0	100.0	3,330.2	87.1	491.8	12.9		
Aged 45 to 54	3,031.6	100.0	2,686.6	88.6	345.0	11.4		
Aged 55 or older	1,685.4	100.0	1,469.4	87.2	216.0	12.8		
Men	8,929.6	100.0	7,528.4	84.3	1,401.2	15.7		
Aged 16 to 24	1,039.4	100.0	805.7	77.5	233.7	22.5		
Aged 25 to 34	2,277.0	100.0	1,886.2	82.8	390.8	17.2		
Aged 35 to 44	2,367.4	100.0	2,012.9	85.0	354.5	15.0		
Aged 45 to 54	2,024.2	100.0	1,763.8	87.1	260.4	12.9		
Aged 55 or older	1,221.7	100.0	1,059.9	86.8	161.7	13.2		
Women	5,207.4	100.0	4,663.5	89.6	543.9	10.4		
Aged 16 to 24	714.2	100.0	624.6	87.5	89.5	12.5		
Aged 25 to 34	1,567.5	100.0	1,389.2	88.6	178.3	11.4		
Aged 35 to 44	1,454.6	100.0	1,317.3	90.6	137.3	9.4		
Aged 45 to 54	1,007.5	100.0	922.9	91.6	84.6	8.4		
Aged 55 or older	463.7	100.0	409.5	88.3	54.2	11.7		

Table 3. Employed by sex, age and according to whether the labour relationship-or the enterprise or business – disappears once the service is accomplished or the work is done (absolute values in thousands)

Table 4. Average number of overtime hours worked by wage earners during the reference week, according to the occupation in the employment and sex

Occupation	Total	Men	Women
Total	8.7	8.9	8.3
Armed forces (*)	20.2	20.0	-
Legislators and mangers	10.6	10.8	7.6
Professionals	10.7	10.8	10.5
Technicians	8.9	8.8	9.1
Clerks	7.1	7.9	6.1
Services and sales workers	11.2	13.4	8.5
Agriculture/fishery workers	10.8	10.9	8.0
Craft/related trades workers	7.2	7.3	5.5
Plant and machine operators	8.3	8.4	7.5
Elementary operators	8.3	8.2	8.5

(*) Figures not representative due to the small size of the collective

OccupationTotalMenWomenTotal5.25.64.0Armed forces (*)0.00.0-Legislators and mangers1.41.51.2Professionals4.84.45.3Technicians2.83.41.3Clerks3.53.73.3Services and sales workers6.46.48.0Craft/related trades workers6.26.34.8Plant and machine operators6.36.36.9Elementary operators6.26.55.4	the employment and sex					
Total 5.2 5.6 4.0 Armed forces (*) 0.0 0.0 - Legislators and mangers 1.4 1.5 1.2 Professionals 4.8 4.4 5.3 Technicians 2.8 3.4 1.3 Clerks 3.5 3.7 3.3 Services and sales workers 4.8 6.2 3.0 Agriculture/fishery workers 6.4 6.4 8.0 Craft/related trades workers 6.2 6.3 4.8 Plant and machine operators 6.3 6.3 6.9 Elementary operators 6.2 6.5 5.4	Occupation	Total	Men		Women	
Armed forces (*) 0.0 0.0 - Legislators and mangers 1.4 1.5 1.2 Professionals 4.8 4.4 5.3 Technicians 2.8 3.4 1.3 Clerks 3.5 3.7 3.3 Services and sales workers 4.8 6.2 3.0 Agriculture/fishery workers 6.4 6.4 8.0 Craft/related trades workers 6.2 6.3 4.8 Plant and machine operators 6.3 6.3 6.9 Elementary operators 6.2 6.5 5.4	Total		5.2	5.6		4.0
Legislators and mangers 1.4 1.5 1.2 Professionals 4.8 4.4 5.3 Technicians 2.8 3.4 1.3 Clerks 3.5 3.7 3.3 Services and sales workers 4.8 6.2 3.0 Agriculture/fishery workers 6.4 6.4 8.0 Craft/related trades workers 6.2 6.3 4.8 Plant and machine operators 6.3 6.3 6.9 Elementary operators 6.2 6.5 5.4	Armed forces (*)		0.0	0.0		-
Professionals 4.8 4.4 5.3 Technicians 2.8 3.4 1.3 Clerks 3.5 3.7 3.3 Services and sales workers 4.8 6.2 3.0 Agriculture/fishery workers 6.4 6.4 8.0 Craft/related trades workers 6.2 6.3 4.8 Plant and machine operators 6.3 6.3 6.9 Elementary operators 6.2 6.5 5.4	Legislators and mangers		1.4	1.5		1.2
Technicians 2.8 3.4 1.3 Clerks 3.5 3.7 3.3 Services and sales workers 4.8 6.2 3.0 Agriculture/fishery workers 6.4 6.4 8.0 Craft/related trades workers 6.2 6.3 4.8 Plant and machine operators 6.3 6.3 6.9 Elementary operators 6.2 6.5 5.4	Professionals		4.8	4.4		5.3
Clerks 3.5 3.7 3.3 Services and sales workers 4.8 6.2 3.0 Agriculture/fishery workers 6.4 6.4 8.0 Craft/related trades workers 6.2 6.3 4.8 Plant and machine operators 6.3 6.3 6.9 Elementary operators 6.2 6.5 5.4	Technicians		2.8	3.4		1.3
Services and sales workers4.86.23.0Agriculture/fishery workers6.46.48.0Craft/related trades workers6.26.34.8Plant and machine operators6.36.36.9Elementary operators6.26.55.4	Clerks		3.5	3.7		3.3
Agriculture/fishery workers6.46.48.0Craft/related trades workers6.26.34.8Plant and machine operators6.36.36.9Elementary operators6.26.55.4	Services and sales workers		4.8	6.2		3.0
Craft/related trades workers 6.2 6.3 4.8 Plant and machine operators 6.3 6.3 6.9 Elementary operators 6.2 6.5 5.4	Agriculture/fishery workers		6.4	6.4		8.0
Plant and machine operators 6.3 6.3 6.9 Elementary operators 6.2 6.5 5.4	Craft/related trades workers		6.2	6.3		4.8
Elementary operators 6.2 6.5 5.4	Plant and machine operators		6.3	6.3		6.9
	Elementary operators		6.2	6.5		5.4

Table 5. Average number of paid overtime hours worked by wage earners during the reference week, according to the occupation in the employment and sex

(*) Figures not representative due to the small size of the collective

Table 6. Employed who work in a team with a shift system, by type of shift system
sex and age (absolute values in thousands) – CONTINUES ON THE FOLLOWING PAGE

	Type of sl	/pe of shift system								
Sex and	Total		Every day, morning, afternoon a night shifts	nd	Monday to Friday morning, afternoon and night shifts		Monday to Friday morning and afternoon shifts			
Age	Abs. Value	%	Abs. Value	%	Abs. Value	%	Abs. Value	%		
Both sexes	2,003.3	100.0	417.0	20.8	157.1	7.8	245.9	12.3		
Aged 16 to 24	264.4	100.0	30.1	11.4	27.8	10.5	39.3	14.9		
Aged 25 to 34	586.1	100.0	118.0	20.1	47.6	8.1	69.3	11.8		
Aged 35 to 44	557.3	100.0	132.9	23.8	36.7	6.6	57.8	10.4		
Aged 45 to 54	430.3	100.0	101.7	23.6	32.1	7.5	54.4	12.6		
Aged 55 or older	165.1	100.0	34.4	20.8	12.8	7.7	25.2	15.3		
Men	1,258.5	100.0	287.7	22.9	125.0	9.9	175.8	14.0		
Aged 16 to 24	142.6	100.0	18.9	13.3	21.4	15.0	26.1	18.3		
Aged 25 to 34	356.6	100.0	77.4	21.7	37.9	10.6	48.7	13.7		
Aged 35 to 44	338.6	100.0	92.0	27.2	26.4	7.8	35.7	10.5		
Aged 45 to 54	296.4	100.0	71.9	24.3	27.7	9.3	43.2	14.6		
Aged 55 or older	124.4	100.0	27.6	22.2	11.7	9.4	22.1	17.8		
Women	744.8	100.0	129.2	17.4	32.0	4.3	70.1	9.4		
Aged 16 to 24	121.8	100.0	11.1	9.2	6.4	5.3	13.2	10.9		
Aged 25 to 34	229.5	100.0	40.6	17.7	9.7	4.2	20.5	8.9		
Aged 35 to 44	218.7	100.0	40.9	18.7	10.4	4.7	22.1	10.1		
Aged 45 to 54	133.9	100.0	29.8	22.2	4.5	3.3	11.2	8.3		
Aged 55 or older	40.8	100.0	6.9	16.8	1.1	2.7	3.1	7.5		

(Continue)

	Type of shi	ft sys	stem							
Sex and	Monday to Friday day and night shifts		Fix shift		Other					
Age	Abs. Value	%	Abs. Value	%	Abs. Value	%				
Both sexes	15.0	0.7	693.7	34.6	474.6	23.7				
Aged 16 to 24	2.6	1.0	88.6	33.5	76.1	28.8				
Aged 25 to 34	4.2	0.7	186.8	31.9	160.2	27.3				
Aged 35 to 44	5.2	0.9	197.4	35.4	127.3	22.8				
Aged 45 to 54	2.4	0.6	158.7	36.9	81.0	18.8				
Aged 55 or older	0.6	0.4	62.2	37.6	30.0	18.1				
Men	10.8	0.9	382.5	30.4	276.6	22.0				
Aged 16 to 24	1.3	0.9	38.0	26.6	37.0	25.9				
Aged 25 to 34	3.4	1.0	100.4	28.2	88.7	24.9				
Aged 35 to 44	3.6	1.1	104.0	30.7	76.9	22.7				
Aged 45 to 54	2.2	0.7	98.7	33.3	52.7	17.8				
Aged 55 or older	0.3	0.2	41.4	33.3	21.2	17.1				
Women	4.2	0.6	311.1	41.8	198.0	26.6				
Aged 16 to 24	1.3	1.1	50.6	41.5	39.1	32.1				
Aged 25 to 34	0.8	0.3	86.4	37.6	71.5	31.2				
Aged 35 to 44	1.6	0.7	93.4	42.7	50.4	23.0				
Aged 45 to 54	0.2	0.2	60.0	44.8	28.3	21.1				
Aged 55 or older	0.3	0.7	20.7	50.8	8.8	21.5				

	Type of working-time schedule								
Sex and	Total		Fixed starting and ending hours		Flexible working time fixed by the enterprise		Flexible starting and ending hours		
Age	Abs. Value	%	Abs. Value	%	Abs. Value	%	Abs. Value	%	
Both sexes	11,458.3	100.0	10,054.3	87.7	153.6	1.3	603.2	5.3	
Aged 16 to 24	1,665.6	100.0	1,509.0	90.6	21.7	1.3	57.4	3.4	
Aged 25 to 34	3,368.3	100.0	2,964.7	88.0	50.0	1.5	168.3	5.0	
Aged 35 to 44	3,067.4	100.0	2,656.1	86.6	38.8	1.3	193.2	6.3	
Aged 45 to 54	2,278.7	100.0	2,008.3	88.1	28.0	1.2	117.5	5.2	
Aged 55 or older	1,078.4	100.0	916.2	85.0	15.1	1.4	66.8	6.2	
Men	6,989.2	100.0	6,098.3	87.3	94.5	1.4	398.8	5.7	
Aged 16 to 24	979.3	100.0	893.1	91.2	10.5	1.1	31.0	3.2	
Aged 25 to 34	1,942.7	100.0	1,688.0	86.9	28.6	1.5	113.0	5.8	
Aged 35 to 44	1,819.8	100.0	1,561.9	85.8	24.9	1.4	126.9	7.0	
Aged 45 to 54	1,476.3	100.0	1,299.6	88.0	20.4	1.4	77.0	5.2	
Aged 55 or older	771.0	100.0	655.6	85.0	10.2	1.3	50.9	6.6	
Women	4,469.1	100.0	3,956.0	88.5	59.1	1.3	204.4	4.6	
Aged 16 to 24	686.2	100.0	615.9	89.7	11.3	1.6	26.4	3.8	
Aged 25 to 34	1,425.5	100.0	1,276.7	89.6	21.4	1.5	55.4	3.9	
Aged 35 to 44	1,247.6	100.0	1,094.2	87.7	13.9	1.1	66.3	5.3	
Aged 45 to 54	802.4	100.0	708.6	88.3	7.6	0.9	40.5	5.0	
Aged 55 or older	307.4	100.0	260.6	84.8	4.9	1.6	15.9	5.2	

 Table 7. Employees by different types of time-working schedules, sex and age (absolute values in thousands) CONTINUES ON THE FOLLOWING PAGE

(Continue)

	Type of working-time schedule								
Sex and	Working time fixed in agreement (worker- enterprise)		established I the worker	ру	Other				
Age	Abs. Value	%	Abs. Value	%	Abs. Value	%			
Both sexes	308.1	2.7	107.7	0.9	231.4	2.0			
Aged 16 to 24	42.3	2.5	7.0	0.4	28.2	1.7			
Aged 25 to 34	91.2	2.7	25.8	0.8	68.3	2.0			
Aged 35 to 44	78.3	2.6	36.0	1.2	65.0	2.1			
Aged 45 to 54	57.1	2.5	23.3	1.0	44.5	2.0			
Aged 55 or older	39.2	3.6	15.7	1.5	25.5	2.4			
Men	161.8	2.3	69.4	1.0	166.4	2.4			
Aged 16 to 24	20.3	2.1	4.3	0.4	20.2	2.1			
Aged 25 to 34	48.7	2.5	15.8	0.8	48.6	2.5			
Aged 35 to 44	39.2	2.2	22.8	1.3	44.0	2.4			
Aged 45 to 54	29.6	2.0	15.1	1.0	34.6	2.3			
Aged 55 or older	24.0	3.1	11.3	1.5	19.0	2.5			
Women	146.3	3.3	38.4	0.9	65.0	1.5			
Aged 16 to 24	22.0	3.2	2.7	0.4	8.0	1.2			
Aged 25 to 34	42.4	3.0	10.0	0.7	19.7	1.4			
Aged 35 to 44	39.1	3.1	13.2	1.1	20.9	1.7			
Aged 45 to 54	27.5	3.4	8.2	1.0	9.9	1.2			
Aged 55 or older	15.2	5.0	4.4	1.4	6.5	2.1			

Table 8. Employees that have a flexible working time schedule according weather they have or not a system of accumulative working hours, paid with free days or weeks, by sex. (absolute values in thousands)

	Sex								
System of accumulative	Total		Men		Women				
working hours	Abs. Value	%	Abs. Value	%	Abs. Value	%			
Total	603.2	100.0	398.8	100.0	204.4	100.0			
Do not have such a system	569.1	94.4	376.9	94.5	192.2	94.0			
Do have such a system	34.1	5.6	21.8	5.5	12.2	6.0			

	Reason for working in a team with a shift system								
Sex and	Total	Personal deciss	ion	No other job found					
Age	Abs. Value	%	Abs. Value	%	Abs. Value	%			
Both sexes	2,003.3	100.0	986.3	49.2	1,017.0	50.8			
Aged 16 to 24	264.4	100.0	94.5	35.7	169.9	64.3			
Aged 25 to 34	586.1	100.0	277.0	47.3	309.1	52.7			
Aged 35 to 44	557.3	100.0	298.4	53.6	258.9	46.4			
Aged 45 to 54	430.3	100.0	226.4	52.6	203.8	47.4			
Aged 55 or older	165.1	100.0	89.9	54.4	75.2	45.6			
Men	1,258.5	100.0	603.4	47.9	655.1	52.1			
Aged 16 to 24	142.6	100.0	48.7	34.2	93.9	65.8			
Aged 25 to 34	356.6	100.0	160.2	44.9	196.4	55.1			
Aged 35 to 44	338.6	100.0	178.5	52.7	160.1	47.3			
Aged 45 to 54	296.4	100.0	151.6	51.1	144.8	48.9			
Aged 55 or older	124.4	100.0	64.5	51.8	59.9	48.2			
Women	744.8	100.0	382.8	51.4	361.9	48.6			
Aged 16 to 24	121.8	100.0	45.8	37.6	76.0	62.4			
Aged 25 to 34	229.5	100.0	116.8	50.9	112.7	49.1			
Aged 35 to 44	218.7	100.0	120.0	54.9	98.8	45.1			
Aged 45 to 54	133.9	100.0	74.9	55.9	59.0	44.1			
Aged 55 or older	40.8	100.0	25.4	62.3	15.3	37.7			

Table 9. Employed who work in a team with a shift system by reason of doing that, sex and age. (absolute values in thousands)

	Reason for this types of contract							
Sex and	Total	Personal deciss	ion	No other job found				
Age	Abs. Value	%	Abs. Value	%	Abs. Value	%		
Both sexes	1,573.6	100.0	916.2	58.2	657.3	41.8		
Aged 16 to 24	197.3	100.0	93.5	47.4	103.7	52.6		
Aged 25 to 34	446.1	100.0	235.5	52.8	210.6	47.2		
Aged 35 to 44	466.0	100.0	285.7	61.3	180.3	38.7		
Aged 45 to 54	309.4	100.0	196.9	63.6	112.5	36.4		
Aged 55 or older	154.8	100.0	104.6	67.6	50.2	32.4		
Men	972.0	100.0	578.3	59.5	393.7	40.5		
Aged 16 to 24	108.7	100.0	53.0	48.8	55.6	51.2		
Aged 25 to 34	262.8	100.0	140.0	53.3	122.9	46.7		
Aged 35 to 44	285.6	100.0	179.6	62.9	106.0	37.1		
Aged 45 to 54	199.0	100.0	127.7	64.2	71.4	35.8		
Aged 55 or older	115.8	100.0	78.0	67.3	37.9	32.7		
Women	601.5	100.0	337.9	56.2	263.6	43.8		
Aged 16 to 24	88.6	100.0	40.5	45.7	48.1	54.3		
Aged 25 to 34	183.2	100.0	95.5	52.1	87.7	47.9		
Aged 35 to 44	180.4	100.0	106.1	58.8	74.3	41.2		
Aged 45 to 54	110.4	100.0	69.3	62.7	41.2	37.3		
Aged 55 or older	38.9	100.0	26.6	68.3	12.3	31.7		

Table 10. Employees with 'min-max' contract, 'on call' job or flexible work hours (beginning and ending) contract, by reason for having this types of job, sex and age. (absolute values in thousands)