

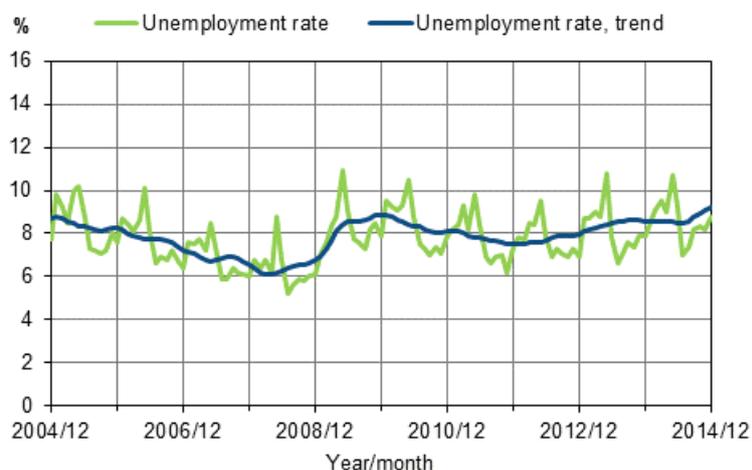
# Labour Force Survey

2014, December, 4th quarter and full year

## Unemployment rate 8.8 per cent in December

According to Statistics Finland's Labour Force Survey, the number of unemployed persons in December 2014 was 232,000, which was 27,000 higher than one year ago. The unemployment rate was 8.8 per cent, having been 7.9 per cent in December of the year before. The number of employed persons was nearly the same as in December of the previous year. The unemployment rate in the fourth quarter (October to December) was 8.4 per cent, which was 0.7 percentage points higher than in the respective quarter of 2013. The rate of unemployment was, on average, 8.7 per cent in 2014, having been 8.2 per cent in 2013.

### Unemployment rate and trend of unemployment rate 2004/12–2014/12, persons aged 15–74



In December 2014, the number of **employed persons** was 2,413,000 (margin of error  $\pm 33,000$ ), which was slightly more than a year earlier. There were 12,000 more employed men and 9,000 fewer employed women than in December 2013. The number of employed persons increased slightly in the public sector and decreased somewhat in the private sector compared with December 2013.

In December, the **employment rate**, that is, the proportion of the employed among persons aged 15 to 64, stood at 67.4 per cent, which was 0.5 percentage points higher than one year before. The employment rate for men grew by 0.8 percentage points from last year's December to 68.0 per cent. Women's

employment rate was 66.8 per cent and it remained almost unchanged compared with December 2013. Adjusted for seasonal and random variation, the trend of the employment rate was 68.3 per cent.

According to Statistics Finland's Labour Force Survey, there were 232,000 **unemployed** (margin of error  $\pm 18,000$ ) in December 2014, i.e. 27,000 more than one year earlier. The number of unemployed men was 128,000 and that of women 104,000.

At 8.8 per cent, the **unemployment rate** in December was 0.9 percentage points higher than one year earlier. Men's unemployment rate was 9.4 per cent and women's 8.2 per cent. The trend of the unemployment rate was 9.2 per cent.

In December, there were a total of 649,000 **young people aged 15 to 24**. Of them, 238,000 were employed and 59,000 unemployed. Thus, the labour force of young people (employed and unemployed) totalled 297,000. In December, the unemployment rate for young people aged 15 to 24, that is, the proportion of the unemployed among the labour force, stood at 19.8 per cent, which was 3.2 percentage points higher than one year previously. The trend of the unemployment rate among young people was 21.9 per cent. The share of unemployed young people aged 15 to 24 among the population in the same age group was 9.0 per cent.

There were 1,455,000 persons in the **inactive population** in December 2014, which was 22,000 fewer than one year earlier. Of the inactive population, 138,000 persons were in [disguised unemployment](#), which was 14,000 fewer than in December 2013.

#### **Changes in employment 2013/12 – 2014/12 according to Statistics Finland's Labour Force Survey, population aged 15 to 74**

	Year/Month		Change
	2013/12	2014/12	2013/12 - 2014/12
	1000 persons		Per cent, %
Population total	4 091	4 100	0,2
Active population total	2 615	2 645	1,1
Employed	2 409	2 413	0,1
– employees	2 084	2 061	–1,1
– self-employed persons and unpaid family workers	325	351	8,0
Unemployed	205	232	13,0
Inactive population	1 477	1 455	–1,5
– Persons in disguised unemployment	151	138	–9,0
	Per cent, %		Percentage points
Employment rate, persons aged 15 to 64	66,9	67,4	0,5
Unemployment rate	7,9	8,8	0,9
Activity rate	63,9	64,5	0,6
Unrounded figures are used in the Change column. The data comply with the ILO/EU definition.			

#### ***Labour Force Survey data for the fourth quarter of 2014***

In the fourth quarter of 2014, the average number of **employed persons** was 2,418,000, or 5,000 fewer than in the corresponding quarter of 2013. The number of employed persons increased most in the industry of administrative and support service activities (N) and decreased in manufacturing (C).

**The number of hours worked by employed persons** was 1.6 per cent higher in the fourth quarter of 2014 than twelve months previously.

The average number of **unemployed persons** in the fourth quarter of 2014 was 223,000, which was 20,000 more than in the October to December period of 2013. The unemployment rate in the fourth quarter of 2014 was 8.4 per cent, which was 0.7 percentage points higher than in the respective period of 2013.

In the fourth quarter of 2014, the number of persons in the **inactive population** was 1,459,000, which was 7,000 lower than a year earlier. Of the inactive population, 148,000 persons were in [disguised unemployment](#), which was 10,000 more than in the corresponding period of 2013.

#### **Changes in employment 2013/IV – 2014/IV according to Statistics Finland’s Labour Force Survey, population aged 15 to 74**

	Year/Quarter		Change
	2013/IV	2014/IV	2013/IV - 2014/IV
	1000 persons		Per cent (%)
Active population total	2 625	2 640	0,6
Employed persons total	2 422	2 418	-0,2
Unemployed total	203	223	9,7
– men	110	126	15,2
– women	93	96	3,1
Inactive population	1 466	1 459	-0,5
– Persons in disguised unemployment	137	148	7,6

Unrounded figures are used in the Change column.  
The data comply with the ILO/EU definition.

#### *Labour Force Survey annual averages for 2014*

In 2014, the average number of **employed persons** was 2,447,000, which was 9,000 lower than in 2013. In 2014, the employment rate was 68.3 per cent, having been 68.5 per cent in 2013.

The average rate of unemployment was 8.7 per cent in 2014, having been 8.2 per cent in 2013. In 2014, the average number of **unemployed persons** was 232,000, which was 13,000 higher than in 2013.

**The number of hours worked by employed persons** was approximately 0.2 per cent lower in 2014 than in 2013. The amount of labour input per employed person remained almost unchanged.

The annual averages from the Labour Force Survey for the year 2014 are published in the appendix tables of this publication and in the database tables of Statistics Finland's Labour Force Survey:

[http://pxweb2.stat.fi/database/StatFin/Tym/tyti/tyti\\_en.asp](http://pxweb2.stat.fi/database/StatFin/Tym/tyti/tyti_en.asp). A general review on annual data concerning 2014 and on time series data for 2005 to 2014 will be released on 28 April 2015.

#### *Employment Service Statistics of the Ministry of Employment and the Economy*

At the end of December 2014, there were altogether 363,000 persons registered in accordance with the Employment Office Regulations as job seekers at **the employment and economic development offices**. The number of unemployed job seekers was 33,000 higher than in December 2013.

Unemployment increased from the previous year's December in the areas of all Employment and Economic Development Centres; most in Uusimaa (16%), Ostrobothnia (12%), Satakunta (11%) and South Ostrobothnia (11%). At the end of December, the number of persons fully laid off registered at the employment and economic development offices was 38,000, which was 4,000 more than twelve months earlier.

The number of persons engaged in services included in the activation rate totalled 116,000 at the end of December, which was 5,000 more than in December of the previous year. Altogether, 4.4 per cent of the labour force was covered by labour market policy services.

There were 50,000 unemployed job seekers aged under 25 registered at the employment and economic development offices. Their number was 6,000 higher than in December of the year before. During last December, 30,000 new vacancies were reported to the employment and economic development offices, which was 2,000 more than in December 2013.

### Changes 2013/12–2014/12 according to the Employment Service Statistics of the Ministry of Employment and the Economy

	Year/Month		Change
	2013/12	2014/12	2013/12 - 2014/12
	1000 persons		Per cent, %
<b>Unemployed job seekers</b> <sup>1)</sup>	330	363	10,1
– unemployed over a year	83	99	19,1
<b>Services, total</b>	111	116	4,6
– employed	34	35	1,6
– in labour market training, in training	27	24	–10,3
– in trainee places, engaged in work/training trials	10	9	–3,0
– as a job alternation substitute, in rehabilitative work, self-motivated studies supported by unemployment benefit	41	48	18,7
<b>New vacancies at employment and economic development offices</b>	27	30	8,5
Unrounded figures are used in the Change column.			

1) The law reform that entered into force at the beginning of 2013 and the change in the lay-off procedure on 1 July increase the number of unemployed job seekers somewhat.

Links: [Law reform 1 January 2013](#)  
[Change in the lay-off procedure 1 July 2013](#)

Contact information for the Ministry of Employment and the Economy:  
 Petri Syvänen tel. +358 29 504 8050, <http://www.temtyollisyyskatsaus.fi>

### Links

[Labour Force Survey tables in databases](#)

[About seasonally adjusted trend](#)

The accuracy of figures and the margins of error are explained in [the quality description of the Labour Force Survey](#).

[Comparison between the statistics of Statistics Finland and the Ministry of Employment and the Economy](#)

[Latest seasonally adjusted employment figures published by the EU](#) can be found on Eurostat's home page <http://ec.europa.eu/eurostat>

[Job vacancy survey](#)

[Latest data published by the EU on job vacancies](#) can be found on Eurostat's home page <http://ec.europa.eu/eurostat>

# Contents

## Tables

### Appendix tables 2014, December

Appendix table 1. Key indicators in the Labour Force Survey by sex 2013/12 - 2014/12 .....	7
Appendix table 2. Population aged 15-74 by labour force status and sex 2013/12 - 2014/12.....	7
Appendix table 3. Population by sex and age 2013/12 - 2014/12.....	8
Appendix table 4. Active population by sex and age 2013/12 - 2014/12.....	9
Appendix table 5. Activity rates by sex and age 2013/12 - 2014/12.....	10
Appendix table 6. Employed persons by sex and age 2013/12 - 2014/12.....	11
Appendix table 7. Employment rates by sex and age 2013/12 - 2014/12.....	12
Appendix table 8. Employed persons aged 15-74 by status in employment 2013/12 - 2014/12.....	12
Appendix table 9. Employed persons aged 15-74 by employer sector 2013/12 - 2014/12.....	13
Appendix table 10. Employed persons aged 15-74 by Regional State Administrative Agencies (AVI) 2013/12 - 2014/12.....	13
Appendix table 11. Part-time employed persons aged 15-74 by sex 2013/12 - 2014/12.....	13
Appendix table 12. Proportion of part-time employed persons in all employed persons aged 15-74 by sex 2013/12 - 2014/12, %.....	13
Appendix table 13. Employees aged 15-74 by type of employment relationship 2013/12 - 2014/12.....	14
Appendix table 14. Employees aged 15-74 by type of employment relationship 2013/12 - 2014/12, %.....	14
Appendix table 15. Unemployed persons by sex and age 2013/12 - 2014/12.....	15
Appendix table 16. Unemployment rates by sex and age 2013/12 - 2014/12.....	16
Appendix table 17. Unemployment rates by Regional State Administrative Agencies (AVI) 2013/12 - 2014/12, persons aged 15-74.....	16
Appendix table 18. Seasonally adjusted trends 2014/12.....	17

### Appendix tables 2014, 4th quarter

Appendix table 19. Key indicators in the Labour Force Survey by sex 2013/IV - 2014/IV.....	18
Appendix table 20. Population aged 15-74 by labour force status and sex 2013/IV - 2014/IV.....	18
Appendix table 21. Population by sex and age 2013/IV - 2014/IV.....	19
Appendix table 22. Active population by sex and age 2013/IV - 2014/IV.....	20
Appendix table 23. Activity rates by sex and age 2013/IV - 2014/IV.....	21
Appendix table 24. Employed persons by sex and age 2013/IV - 2014/IV.....	22
Appendix table 25. Employment rates by sex and age 2013/IV - 2014/IV.....	23
Appendix table 26. Employed persons aged 15-74 by status in employment 2013/IV - 2014/IV.....	23
Appendix table 27. Employed persons aged 15-74 by employer sector 2013/IV - 2014/IV.....	24
Appendix table 28. Employed persons aged 15-74 by industry (TOL 2008) 2013/IV - 2014/IV.....	25
Appendix table 29. Hours actually worked of employed persons aged 15-74 by industry (TOL 2008) 2013/IV - 2014/IV.....	27
Appendix table 30. Employed persons aged 15-74 by Regional State Administrative Agencies (AVI) 2013/IV - 2014/IV.....	28
Appendix table 31. Employed persons aged 15-74 by region (2011) 2013/IV - 2014/IV.....	28
Appendix table 32. Part-time employed persons aged 15-74 by sex 2013/IV - 2014/IV.....	29

Appendix table 33. Proportion of part-time employed persons in all employed persons aged 15-74 by sex 2013/IV - 2014/IV, %.....	29
Appendix table 34. Employees aged 15-74 by industry (TOL 2008) 2013/IV - 2014/IV.....	30
Appendix table 35. Hours actually worked of employees aged 15-74 by industry (TOL 2008) 2013/IV - 2014/IV.....	32
Appendix table 36. Employees aged 15-74 by type of employment relationship 2013/IV - 2014/IV.....	33
Appendix table 37. Employees aged 15-74 by type of employment relationship 2013/IV - 2014/IV, %.....	33
Appendix table 38. Different types of employment relationships less than 12 month's duration 2013/IV - 2014/IV, persons aged 15-74.....	34
Appendix table 39. Different types of employment relationships less than 12 month's duration 2013/IV - 2014/IV, persons aged 15-74, %.....	34
Appendix table 40. Unemployed persons by sex and age 2013/IV - 2014/IV.....	35
Appendix table 41. Unemployment rate by sex and age 2013/IV - 2014/IV.....	36
Appendix table 42. Unemployment rates by Regional State Administrative Agencies (AVI) 2013/IV - 2014/IV.....	36
Appendix table 43. Unemployment rates by region (2011) 2013/IV - 2014/IV.....	37
<b>Appendix tables 2014, year</b>	
Appendix table 44. Key indicators in the Labour Force Survey by sex in 2012 - 2014.....	38
Appendix table 45. Population aged 15-74 by labour force status and sex in 2012 - 2014.....	38
Appendix table 46. Employment rates by sex and age in 2012 - 2014.....	39
Appendix table 47. Employed person aged 15-74 by educational level and sex in 2011 - 2013.....	40
Appendix table 48. Employed persons aged 15-74 by industry (TOL 2008) in 2012 - 2014.....	41
Appendix table 49. Hours actually worked by employed persons aged 15-74 by industry (TOL 2008) in 2012 - 2014.....	43
Appendix table 50. Employed persons aged 15-74 by employer sector and sex in 2012 - 2014.....	44
Appendix table 51. Employed persons aged 15-74 by region (2011) in 2012 - 2014.....	45
Appendix table 52. Employees aged 15-74 by type of employment relationship and sex in 2012 - 2014.....	46
Appendix table 53. Unemployment rates by sex and age in 2012 - 2014.....	47
Appendix table 54. Unemployment rates by region (2011) in 2012 - 2014, persons aged 15-74.....	48
Appendix table 55. Unemployment rates by educational level and sex in 2011 - 2013, persons aged 15-74.....	49

## **Figures**

### **Appendix figures 2014, December**

Appendix figure 1. Employment rate and trend of employment rate 2004/12–2014/12, persons aged 15–64.....	50
Appendix figure 2. Unemployment rate and trend of unemployment rate 2004/12–2014/12, persons aged 15–74.....	50
Appendix figure 3. Employment rate and trend of employment rate 1989/01–2014/12, persons aged 15–64.....	51
Appendix figure 4. Unemployment rate and trend of unemployment rate 1989/01–2014/12, persons aged 15–74.....	51

5

1

Quality Description: Labour force survey.....	52
---	----

## Appendix tables 2014, December

**Appendix table 1. Key indicators in the Labour Force Survey by sex 2013/12 - 2014/12**

		Year/Month		Change
		2013/12	2014/12	2013/12 - 2014/12
		Per cent, %	Per cent, %	Percentage points
Indicator	Sex			
Employment rate, persons aged 15–64	Both sexes	66,9	67,4	0,5
	Males	67,2	68,0	0,8
	Females	66,6	66,8	0,1
Unemployment rate, persons aged 15–74	Both sexes	7,9	8,8	0,9
	Males	8,4	9,4	1,0
	Females	7,3	8,2	0,9
Activity rate, persons aged 15–74	Both sexes	63,9	64,5	0,6
	Males	65,5	66,7	1,2
	Females	62,3	62,3	0,0

**Appendix table 2. Population aged 15-74 by labour force status and sex 2013/12 - 2014/12**

		Year/Month		Change	Change
		2013/12	2014/12	2013/12 - 2014/12	2013/12 - 2014/12
		1000 persons	1000 persons	1000 persons	Per cent, %
Sex	Labour force status				
Both sexes	Population total	4 091	4 100	8	0,2
	Active population total	2 615	2 645	30	1,1
	- employed	2 409	2 413	3	0,1
	- unemployed	205	232	27	13,0
	Inactive population	1 477	1 455	-22	-1,5
Males	Population total	2 050	2 055	5	0,2
	Active population total	1 343	1 371	28	2,1
	- employed	1 230	1 243	12	1,0
	- unemployed	112	128	16	14,0
	Inactive population	707	684	-23	-3,3
Females	Population total	2 042	2 045	3	0,2
	Active population total	1 272	1 274	2	0,1
	- employed	1 179	1 170	-9	-0,8
	- unemployed	93	104	11	11,8
	Inactive population	769	771	1	0,2

**Appendix table 3. Population by sex and age 2013/12 - 2014/12**

		Year/Month		Change	Change
		2013/12	2014/12	2013/12 - 2014/12	2013/12 - 2014/12
		1000 persons	1000 persons	1000 persons	Per cent, %
Sex	Age group				
Both sexes	15-74	4 091	4 100	8	0,2
	15-64	3 501	3 485	-16	-0,5
	15-24	655	649	-6	-0,9
	25-34	690	694	4	0,6
	35-44	656	659	3	0,5
	45-54	744	736	-8	-1,1
	55-64	756	747	-9	-1,3
	65-74	590	614	24	4,1
Males	15-74	2 050	2 055	5	0,2
	15-64	1 773	1 764	-9	-0,5
	15-24	337	333	-4	-1,1
	25-34	354	356	2	0,4
	35-44	335	337	2	0,7
	45-54	373	370	-3	-0,9
	55-64	373	367	-6	-1,5
	65-74	277	291	14	4,9
Females	15-74	2 042	2 045	3	0,2
	15-64	1 729	1 722	-7	-0,4
	15-24	318	316	-2	-0,7
	25-34	336	338	2	0,7
	35-44	321	322	1	0,3
	45-54	371	366	-4	-1,2
	55-64	383	380	-4	-1,0
	65-74	313	323	11	3,4

**Appendix table 4. Active population by sex and age 2013/12 - 2014/12**

		Year/Month		Change	Change
		2013/12	2014/12	2013/12 - 2014/12	2013/12 - 2014/12
		1000 persons	1000 persons	1000 persons	Per cent, %
Sex	Age group				
Both sexes	15-74	2 615	2 645	30	1,1
	15-64	2 548	2 580	32	1,2
	15-24	280	297	17	6,0
	25-34	563	560	-3	-0,5
	35-44	571	585	13	2,3
	45-54	657	656	-2	-0,3
	55-64	475	482	6	1,3
	65-74	67	65	-2	-2,8
Males	15-74	1 343	1 371	28	2,1
	15-64	1 303	1 327	24	1,8
	15-24	138	148	10	7,2
	25-34	315	309	-5	-1,7
	35-44	302	313	11	3,5
	45-54	329	325	-4	-1,1
	55-64	219	231	12	5,6
	65-74	40	44	4	10,4
Females	15-74	1 272	1 274	2	0,1
	15-64	1 245	1 253	8	0,6
	15-24	142	149	7	4,9
	25-34	249	251	2	0,9
	35-44	269	272	3	1,0
	45-54	329	331	2	0,6
	55-64	256	250	-6	-2,4
	65-74	27	21	-6	-22,0

**Appendix table 5. Activity rates by sex and age 2013/12 - 2014/12**

		Year/Month		Change
		2013/12	2014/12	2013/12 - 2014/12
		Per cent, %	Per cent, %	Percentage points
Sex	Age group			
Both sexes	15-74	63,9	64,5	0,6
	15-64	72,8	74,0	1,2
	15-24	42,8	45,8	3,0
	25-34	81,6	80,7	-0,9
	35-44	87,1	88,7	1,6
	45-54	88,3	89,1	0,7
	55-64	62,9	64,5	1,6
	65-74	11,3	10,6	-0,7
Males	15-74	65,5	66,7	1,2
	15-64	73,5	75,2	1,7
	15-24	41,0	44,5	3,4
	25-34	88,8	86,9	-1,9
	35-44	90,2	92,7	2,5
	45-54	88,0	87,8	-0,2
	55-64	58,7	63,0	4,3
	65-74	14,4	15,1	0,7
Females	15-74	62,3	62,3	0,0
	15-64	72,0	72,8	0,8
	15-24	44,6	47,1	2,5
	25-34	74,1	74,2	0,1
	35-44	83,9	84,5	0,6
	45-54	88,7	90,3	1,7
	55-64	66,9	65,9	-1,0
	65-74	8,7	6,5	-2,1

**Appendix table 6. Employed persons by sex and age 2013/12 - 2014/12**

		Year/Month		Change	Change
		2013/12	2014/12	2013/12 - 2014/12	2013/12 - 2014/12
		1000 persons	1000 persons	1000 persons	Per cent, %
Sex	Age group				
Both sexes	15-74	2 409	2 413	3	0,1
	15-64	2 343	2 348	6	0,2
	15-24	234	238	5	2,0
	25-34	510	507	-3	-0,5
	35-44	541	550	9	1,6
	45-54	616	606	-10	-1,6
	55-64	442	446	4	1,0
	65-74	67	64	-2	-3,7
Males	15-74	1 230	1 243	12	1,0
	15-64	1 191	1 199	8	0,7
	15-24	110	115	5	4,5
	25-34	285	281	-4	-1,5
	35-44	285	292	7	2,4
	45-54	309	299	-9	-3,1
	55-64	202	212	10	5,0
	65-74	40	44	4	10,2
Females	15-74	1 179	1 170	-9	-0,8
	15-64	1 152	1 149	-3	-0,2
	15-24	124	124	0	-0,3
	25-34	225	226	2	0,7
	35-44	256	258	2	0,8
	45-54	307	307	0	0,0
	55-64	240	234	-6	-2,4
	65-74	27	21	-6	-23,9

**Appendix table 7. Employment rates by sex and age 2013/12 - 2014/12**

		Year/Month		Change
		2013/12	2014/12	2013/12 - 2014/12
		Per cent, %	Per cent, %	Percentage points
Sex	Age group			
Both sexes	15-74	58,9	58,8	0,0
	15-64	66,9	67,4	0,5
	15-24	35,7	36,7	1,0
	25-34	73,9	73,1	-0,8
	35-44	82,5	83,5	0,9
	45-54	82,8	82,4	-0,4
	55-64	58,4	59,7	1,3
	65-74	11,3	10,5	-0,8
Males	15-74	60,0	60,5	0,5
	15-64	67,2	68,0	0,8
	15-24	32,6	34,4	1,8
	25-34	80,5	79,0	-1,5
	35-44	85,1	86,5	1,4
	45-54	82,7	80,9	-1,8
	55-64	54,2	57,8	3,6
	65-74	14,3	15,0	0,7
Females	15-74	57,8	57,2	-0,5
	15-64	66,6	66,8	0,1
	15-24	39,0	39,1	0,2
	25-34	66,9	67,0	0,0
	35-44	79,8	80,2	0,4
	45-54	82,9	83,9	1,0
	55-64	62,5	61,6	-0,9
	65-74	8,7	6,4	-2,3

**Appendix table 8. Employed persons aged 15-74 by status in employment 2013/12 - 2014/12**

	Year/Month		Change	
	2013/12	2014/12	2013/12 - 2014/12	2013/12 - 2014/12
	1000 persons	1000 persons	1000 persons	Per cent, %
Status in employment				
Employed persons total	2 409	2 413	3	0,1
Employees total	2 084	2 061	-23	-1,1
Self-employed persons and unpaid family workers	325	351	26	8,0

**Appendix table 9. Employed persons aged 15-74 by employer sector 2013/12 - 2014/12**

	Year/Month		Change	
	2013/12	2014/12	2013/12 - 2014/12	2013/12 - 2014/12
	1000 persons	1000 persons	1000 persons	Per cent, %
Employer sector				
Employer sector total (incl. employer sector unknown)	2 409	2 413	3	0,1
Private sector	1 740	1 734	-6	-0,3
Public sector	665	669	5	0,7
- central government	143	138	-4	-3,1
- local government	522	531	9	1,8

**Appendix table 10. Employed persons aged 15-74 by Regional State Administrative Agencies (AVI) 2013/12 - 2014/12**

	Year/Month		Change	
	2013/12	2014/12	2013/12 - 2014/12	2013/12 - 2014/12
	1000 persons	1000 persons	1000 persons	Per cent, %
Regional State Administrative Agencies				
Whole country (incl. Åland)	2 409	2 413	3	0,1
Southern Finland AVI	1 081	1 071	-10	-0,9
Southwestern Finland AVI	297	291	-6	-2,1
Eastern Finland AVI	231	237	6	2,8
Western and Inland Finland AVI	516	524	8	1,6
Northern Finland AVI	198	195	-3	-1,4
Lapland AVI	72	78	6	8,7

**Appendix table 11. Part-time employed persons aged 15-74 by sex 2013/12 - 2014/12**

	Year/Month		Change	
	2013/12	2014/12	2013/12 - 2014/12	2013/12 - 2014/12
	1000 persons	1000 persons	1000 persons	Per cent, %
Sex				
Both sexes	380	386	7	1,8
Males	127	146	19	14,8
Females	252	240	-12	-4,7

**Appendix table 12. Proportion of part-time employed persons in all employed persons aged 15-74 by sex 2013/12 - 2014/12, %**

	Year/Month		Change
	2013/12	2014/12	2013/12 - 2014/12
	Per cent, %	Per cent, %	Percentage points
Sex			
Both sexes	15,8	16,0	0,3
Males	10,4	11,8	1,4
Females	21,4	20,5	-0,8

**Appendix table 13. Employees aged 15-74 by type of employment relationship 2013/12 - 2014/12**

	Year/Month		Change	
	2013/12	2014/12	2013/12 - 2014/12	2013/12 - 2014/12
	1000 persons	1000 persons	1000 persons	Per cent, %
Employment relationship				
Employees total	2 084	2 061	-23	-1,1
- permanent full-time work	1 560	1 557	-2	-0,2
- permanent part-time work	215	227	12	5,4
- temporary (fixed-term) full-time work	218	191	-27	-12,3
- temporary (fixed-term) part-time work	92	86	-6	-6,0
Temporary (fixed-term) work total	310	277	-32	-10,4
Part-time work total	307	313	6	2,0

**Appendix table 14. Employees aged 15-74 by type of employment relationship 2013/12 - 2014/12, %**

	Year/Month		Change
	2013/12	2014/12	2013/12 - 2014/12
	Per cent, %	Per cent, %	Percentage points
Employees total	100,0	100,0	0,0
- permanent full-time work	74,8	75,6	0,7
- permanent part-time work	10,3	11,0	0,7
- temporary (fixed-term) full-time work	10,4	9,3	-1,2
- temporary (fixed-term) part-time work	4,4	4,2	-0,2
Temporary (fixed-term) work total	14,9	13,5	-1,4
Part-time work total	14,7	15,2	0,5

**Appendix table 15. Unemployed persons by sex and age 2013/12 - 2014/12**

		Year/Month		Change	
		2013/12	2014/12	2013/12 - 2014/12	2013/12 - 2014/12
		1000 persons	1000 persons	1000 persons	Per cent, %
Sex	Age group				
Both sexes	15-74	205	232	27	13,0
	15-64	205	231	26	12,7
	15-24	47	59	12	26,2
	25-34	53	53	0	-0,7
	35-44	30	35	5	15,0
	45-54	41	49	8	19,2
	55-64	34	36	2	5,5
Males	15-74	112	128	16	14,0
	15-64	112	128	16	13,9
	15-24	29	33	5	17,2
	25-34	29	28	-1	-3,4
	35-44	17	21	4	21,6
	45-54	20	26	6	28,4
	55-64	17	19	2	13,4
Females	15-74	93	104	11	11,8
	15-64	93	104	10	11,3
	15-24	18	25	7	40,5
	25-34	24	25	1	2,5
	35-44	13	14	1	6,1
	45-54	21	23	2	10,4
	55-64	17	16	0	-2,4

**Appendix table 16. Unemployment rates by sex and age 2013/12 - 2014/12**

		Year/Month		Change
		2013/12	2014/12	2013/12 - 2014/12
		Per cent, %	Per cent, %	Percentage points
Sex	Age group			
Both sexes	15-74	7,9	8,8	0,9
	15-64	8,1	9,0	0,9
	15-24	16,6	19,8	3,2
	25-34	9,5	9,4	0,0
	35-44	5,3	6,0	0,7
	45-54	6,3	7,5	1,2
	55-64	7,1	7,4	0,3
Males	15-74	8,4	9,4	1,0
	15-64	8,6	9,6	1,0
	15-24	20,7	22,6	1,9
	25-34	9,3	9,1	-0,2
	35-44	5,7	6,7	1,0
	45-54	6,1	7,9	1,8
	55-64	7,7	8,3	0,6
Females	15-74	7,3	8,2	0,9
	15-64	7,5	8,3	0,8
	15-24	12,7	17,0	4,3
	25-34	9,7	9,8	0,2
	35-44	4,8	5,1	0,2
	45-54	6,5	7,1	0,6
	55-64	6,5	6,5	0,0

**Appendix table 17. Unemployment rates by Regional State Administrative Agencies (AVI) 2013/12 - 2014/12, persons aged 15-74**

	Year/Month		Change
	2013/12	2014/12	2013/12 - 2014/12
	Per cent, %	Per cent, %	Percentage points
Regional State Administrative Agencies			
Whole country (incl. Åland)	7,9	8,8	0,9
Southern Finland AVI	6,6	8,0	1,4
Southwestern Finland AVI	7,7	9,8	2,1
Eastern Finland AVI	9,0	8,8	-0,2
Western and Inland Finland AVI	8,2	9,2	1,0
Northern Finland AVI	11,0	10,3	-0,6
Lapland AVI	.	.	.

**Appendix table 18. Seasonally adjusted trends 2014/12**

	Employed	Employment rate, persons aged 15–64	Unemployed	Unemployed job seekers (MEE)	Unemployment rate, persons aged 15–74	Unemployment rate, persons aged 15–24
	1000 persons	Per cent, %	1000 persons	1000 persons	Per cent, %	Per cent, %
2012/12	2 471	68,8	212	272	7,9	19,3
2013/01	2 467	68,7	215	276	8,1	19,4
2013/02	2 464	68,7	218	280	8,2	19,5
2013/03	2 462	68,6	219	284	8,3	19,8
2013/04	2 461	68,6	219	287	8,3	20,1
2013/05	2 460	68,6	217	289	8,4	20,2
2013/06	2 459	68,6	213	292	8,5	20,0
2013/07	2 456	68,5	212	296	8,5	19,7
2013/08	2 452	68,4	215	300	8,6	19,8
2013/09	2 448	68,4	219	302	8,6	19,8
2013/10	2 448	68,4	222	305	8,6	19,6
2013/11	2 449	68,4	224	307	8,6	19,5
2013/12	2 450	68,4	224	310	8,6	19,6
2014/01	2 450	68,4	224	311	8,5	19,9
2014/02	2 449	68,4	226	313	8,6	20,2
2014/03	2 449	68,4	227	315	8,6	20,3
2014/04	2 448	68,4	227	317	8,6	20,1
2014/05	2 446	68,3	229	321	8,5	19,8
2014/06	2 444	68,3	229	325	8,5	19,8
2014/07	2 444	68,3	229	327	8,5	19,8
2014/08	2 445	68,3	231	329	8,6	19,9
2014/09	2 447	68,3	236	332	8,8	20,4
2014/10	2 447	68,3	240	335	8,9	21,0
2014/11	2 447	68,3	243	339	9,1	21,6
2014/12	2 448	68,3	247	343	9,2	21,9

## Appendix tables 2014, 4th quarter

**Appendix table 19. Key indicators in the Labour Force Survey by sex 2013/IV - 2014/IV**

		Year/Quarter		Change
		2013/IV	2014/IV	2013/IV - 2014/IV
		Per cent, %	Per cent, %	Percentage points
Indicator	Sex			
Employment rate, persons aged 15–64	Both sexes	67,6	67,4	-0,2
	Males	68,1	68,0	-0,1
	Females	67,0	66,8	-0,2
Unemployment rate, persons aged 15–74	Both sexes	7,7	8,4	0,7
	Males	8,1	9,2	1,1
	Females	7,3	7,6	0,2
Activity rate, persons aged 15–74	Both sexes	64,2	64,4	0,2
	Males	66,0	66,7	0,7
	Females	62,3	62,1	-0,2

**Appendix table 20. Population aged 15-74 by labour force status and sex 2013/IV - 2014/IV**

		Year/Quarter		Change	Change
		2013/IV	2014/IV	2013/IV - 2014/IV	2013/IV - 2014/IV
		1000 persons	1000 persons	1000 persons	Per cent, %
Sex	Labour force status				
Both sexes	Population total	4 091	4 099	8	0,2
	Active population total	2 625	2 640	15	0,6
	- employed	2 422	2 418	-5	-0,2
	- unemployed	203	223	20	9,7
	Inactive population	1 466	1 459	-7	-0,5
Males	Population total	2 050	2 054	5	0,2
	Active population total	1 353	1 370	18	1,3
	- employed	1 243	1 244	1	0,1
	- unemployed	110	126	17	15,2
	Inactive population	697	684	-13	-1,8
Females	Population total	2 041	2 045	3	0,2
	Active population total	1 273	1 270	-2	-0,2
	- employed	1 179	1 174	-5	-0,5
	- unemployed	93	96	3	3,1
	Inactive population	769	775	6	0,8

**Appendix table 21. Population by sex and age 2013/IV - 2014/IV**

		Year/Quarter		Change	
		2013/IV	2014/IV	2013/IV - 2014/IV	2013/IV - 2014/IV
		1000 persons	1000 persons	1000 persons	Per cent, %
Sex	Age group				
Both sexes	15-74	4 091	4 099	8	0,2
	15-64	3 502	3 486	-16	-0,5
	15-24	655	650	-5	-0,8
	25-34	690	694	4	0,6
	35-44	656	658	3	0,4
	45-54	744	737	-8	-1,0
	55-64	757	747	-10	-1,3
	65-74	589	613	24	4,1
Males	15-74	2 050	2 054	5	0,2
	15-64	1 773	1 764	-8	-0,5
	15-24	336	333	-3	-0,8
	25-34	354	356	2	0,5
	35-44	335	337	2	0,5
	45-54	374	371	-4	-1,0
	55-64	373	368	-5	-1,3
	65-74	277	290	13	4,7
Females	15-74	2 041	2 045	3	0,2
	15-64	1 730	1 722	-8	-0,5
	15-24	320	317	-3	-0,8
	25-34	336	338	2	0,7
	35-44	321	322	1	0,3
	45-54	370	366	-4	-1,0
	55-64	384	379	-5	-1,2
	65-74	312	323	11	3,6

**Appendix table 22. Active population by sex and age 2013/IV - 2014/IV**

		Year/Quarter		Change	
		2013/IV	2014/IV	2013/IV - 2014/IV	2013/IV - 2014/IV
		1000 persons	1000 persons	1000 persons	Per cent, %
Sex	Age group				
Both sexes	15-74	2 625	2 640	15	0,6
	15-64	2 570	2 573	3	0,1
	15-24	292	292	-0	0,0
	25-34	568	563	-5	-1,0
	35-44	577	580	3	0,5
	45-54	658	655	-3	-0,4
	55-64	474	482	8	1,7
	65-74	56	68	12	21,9
Males	15-74	1 353	1 370	18	1,3
	15-64	1 317	1 327	9	0,7
	15-24	140	147	7	4,9
	25-34	313	310	-3	-1,1
	35-44	306	309	3	0,9
	45-54	332	328	-4	-1,1
	55-64	226	233	7	3,0
	65-74	35	44	8	23,3
Females	15-74	1 273	1 270	-2	-0,2
	15-64	1 252	1 246	-6	-0,5
	15-24	152	145	-7	-4,5
	25-34	255	253	-2	-0,8
	35-44	271	272	0	0,1
	45-54	326	327	1	0,3
	55-64	248	249	1	0,5
	65-74	20	24	4	19,5

**Appendix table 23. Activity rates by sex and age 2013/IV - 2014/IV**

		Year/Quarter		Change
		2013/IV	2014/IV	2013/IV - 2014/IV
		Per cent, %	Per cent, %	Percentage points
Sex	Age group			
Both sexes	15-74	64,2	64,4	0,2
	15-64	73,4	73,8	0,4
	15-24	44,6	45,0	0,4
	25-34	82,4	81,1	-1,2
	35-44	88,0	88,1	0,1
	45-54	88,4	88,9	0,5
	55-64	62,6	64,5	1,9
	65-74	9,5	11,1	1,6
Males	15-74	66,0	66,7	0,7
	15-64	74,3	75,2	0,9
	15-24	41,8	44,2	2,4
	25-34	88,4	87,1	-1,3
	35-44	91,3	91,6	0,3
	45-54	88,6	88,5	-0,1
	55-64	60,6	63,2	2,7
	65-74	12,8	15,0	2,3
Females	15-74	62,3	62,1	-0,2
	15-64	72,4	72,4	0,0
	15-24	47,6	45,8	-1,8
	25-34	76,0	74,9	-1,1
	35-44	84,6	84,4	-0,2
	45-54	88,2	89,3	1,1
	55-64	64,6	65,7	1,1
	65-74	6,5	7,5	1,0

**Appendix table 24. Employed persons by sex and age 2013/IV - 2014/IV**

		Year/Quarter		Change	
		2013/IV	2014/IV	2013/IV - 2014/IV	2013/IV - 2014/IV
		1000 persons	1000 persons	1000 persons	Per cent, %
Sex	Age group				
Both sexes	15-74	2 422	2 418	-5	-0,2
	15-64	2 367	2 351	-17	-0,7
	15-24	245	237	-8	-3,2
	25-34	518	512	-6	-1,2
	35-44	543	545	2	0,4
	45-54	619	612	-7	-1,2
	55-64	442	445	3	0,7
	65-74	55	67	12	21,9
Males	15-74	1 243	1 244	1	0,1
	15-64	1 208	1 200	-8	-0,6
	15-24	115	117	2	1,5
	25-34	287	281	-6	-2,1
	35-44	288	288	0	0,1
	45-54	309	303	-7	-2,1
	55-64	209	212	3	1,5
	65-74	35	43	8	23,9
Females	15-74	1 179	1 174	-5	-0,5
	15-64	1 159	1 150	-9	-0,8
	15-24	130	120	-10	-7,4
	25-34	231	231	-0	-0,2
	35-44	256	257	2	0,7
	45-54	310	309	-1	-0,2
	55-64	233	233	-0	-0,1
	65-74	20	24	4	18,4

**Appendix table 25. Employment rates by sex and age 2013/IV - 2014/IV**

		Year/Quarter		Change
		2013/IV	2014/IV	2013/IV - 2014/IV
		Per cent, %	Per cent, %	Percentage points
Sex	Age group			
Both sexes	15-74	59,2	59,0	-0,2
	15-64	67,6	67,4	-0,2
	15-24	37,4	36,5	-0,9
	25-34	75,1	73,7	-1,3
	35-44	82,8	82,8	0,0
	45-54	83,2	83,0	-0,1
	55-64	58,4	59,5	1,1
	65-74	9,4	11,0	1,6
Males	15-74	60,6	60,5	-0,1
	15-64	68,1	68,0	-0,1
	15-24	34,3	35,1	0,8
	25-34	81,0	78,9	-2,0
	35-44	85,8	85,5	-0,4
	45-54	82,6	81,7	-0,9
	55-64	56,0	57,6	1,6
	65-74	12,6	14,9	2,3
Females	15-74	57,8	57,4	-0,4
	15-64	67,0	66,8	-0,2
	15-24	40,6	38,0	-2,7
	25-34	68,9	68,3	-0,6
	35-44	79,7	80,0	0,3
	45-54	83,7	84,4	0,7
	55-64	60,7	61,4	0,7
	65-74	6,5	7,4	0,9

**Appendix table 26. Employed persons aged 15-74 by status in employment 2013/IV - 2014/IV**

	Year/Quarter		Change	Change
	2013/IV	2014/IV	2013/IV - 2014/IV	2013/IV - 2014/IV
	1000 persons	1000 persons	1000 persons	Per cent, %
Status in employment				
Employed persons total	2 422	2 418	-5	-0,2
Employees total	2 094	2 072	-22	-1,0
Self-employed persons and unpaid family workers	329	346	17	5,3

**Appendix table 27. Employed persons aged 15-74 by employer sector 2013/IV - 2014/IV**

	Year/Quarter		Change	
	2013/IV	2014/IV	2013/IV - 2014/IV	2013/IV - 2014/IV
	1000 persons	1000 persons	1000 persons	Per cent, %
Employer sector				
Employer sector total (incl. employer sector unknown)	2 422	2 418	-5	-0,2
Private sector	1 747	1 733	-14	-0,8
Public sector	668	676	8	1,1
- central government	137	135	-3	-2,0
- local government	531	541	10	1,9

**Appendix table 28. Employed persons aged 15-74 by industry (TOL 2008) 2013/IV - 2014/IV**

		Year/Quarter		Change	Change
		2013/IV	2014/IV	2013/IV - 2014/IV	2013/IV - 2014/IV
		1000 persons	1000 persons	1000 persons	Per cent, %
Industry	TOL 2008				
Industries total	00-99	2 422	2 418	-5	-0,2
A, B Agriculture, forestry and fishing; mining and quarrying	01-09	104	106	2	1,5
Agriculture	01	73	73	-0	-0,4
C Manufacturing	10-33	342	326	-16	-4,8
Manufacture of food products, beverages and textiles	10-15	48	45	-3	-6,3
Manufacture of wood products, paper and paper products; printing and reproduction of recorded media	16-18	48	48	0	0,9
Manufacture of chemicals and chemical products and basic pharmaceutical products	19-23	48	44	-4	-8,0
Manufacture of basic metals and of fabricated metal products, except machinery and equipment	24-25	58	53	-6	-9,4
Manufacture of electronic and optical products, electrical equipment, machinery and vehicles	26-30	107	104	-4	-3,5
Manufacture of furniture, other manufacturing; repair and installation of machinery and equipment	31-33	33	32	-1	-1,6
D, E Electricity, gas, steam and air conditioning and water supply; sewerage and waste management	35-39	27	26	-1	-4,7
F Construction	41-43	174	166	-8	-4,4
Construction of buildings	41	64	61	-3	-5,0
Specialised construction activities	43	89	87	-2	-2,0
G Wholesale and retail trade; repair of motor vehicles and motorcycles	45-47	282	276	-6	-2,0
Wholesale and retail trade and repair of motor vehicles and motorcycles	45	41	45	4	9,0
Wholesale trade, except of motor vehicles and motorcycles	46	88	78	-10	-11,1
Retail trade, except of motor vehicles and motorcycles	47	153	153	0	0,2
H Transportation and storage	49-53	139	140	0	0,2
Land, water and air transport	49-51	90	91	1	0,7
Warehousing and support activities for transportation; postal and courier activities	52-53	49	49	-0	-0,6
I Accommodation and food service activities	55-56	80	81	1	0,9
J Information and communication	58-63	102	100	-2	-2,3
K, L Financial, insurance and real estate activities	64-68	75	71	-4	-5,3
M Professional, scientific and technical activities	69-75	166	172	6	3,8
Architectural and engineering activities; technical testing and analysis	71	62	62	-1	-1,2
N Administrative and support service activities	77-82	95	104	9	9,5
Services to buildings and landscape activities	81	58	64	6	9,9
O Public administration and defence; compulsory social security	84	107	104	-4	-3,3
P Education	85	183	188	4	2,4
Q Human health and social work activities	86-88	400	401	1	0,2
Human health activities	86	183	179	-4	-2,1

		Year/Quarter		Change	Change
		2013/IV	2014/IV	2013/IV - 2014/IV	2013/IV - 2014/IV
		1000 persons	1000 persons	1000 persons	Per cent, %
Residential care activities	87	86	91	6	6,7
Social work activities without accommodation	88	131	130	-1	-0,9
R Arts, entertainment and recreation	90-93	59	64	4	7,3
S-U Other service activities	94-99	77	85	8	9,7
X Industry unknown	00	8	10	.	.

**Appendix table 29. Hours actually worked of employed persons aged 15-74 by industry (TOL 2008) 2013/IV - 2014/IV**

	TOL 2008	Year/Quarter		Change	Change
		2013/IV	2014/IV	2013/IV - 2014/IV	2013/IV - 2014/IV
		Million hours	Million hours	Million hours	Per cent, %
Industry	TOL 2008				
Industries total	00-99	1010,8	1027,0	16,2	1,6
A, B Agriculture, forestry and fishing; mining and quarrying	01-09	50,0	49,7	-0,2	-0,5
Agriculture	01	36,4	35,1	-1,3	-3,5
C Manufacturing	10-33	151,9	148,8	-3,1	-2,1
Manufacture of food products, beverages and textiles	10-15	20,7	19,7	-1,0	-5,0
Manufacture of wood products, paper and paper products; printing and reproduction of recorded media	16-18	21,1	21,6	0,5	2,5
Manufacture of chemicals and chemical products and basic pharmaceutical products	19-23	21,2	19,8	-1,4	-6,5
Manufacture of basic metals and of fabricated metal products, except machinery and equipment	24-25	26,2	24,9	-1,3	-5,0
Manufacture of electronic and optical products, electrical equipment, machinery and vehicles	26-30	48,8	47,9	-0,9	-1,9
Manufacture of furniture, other manufacturing; repair and installation of machinery and equipment	31-33	13,9	14,9	1,0	7,0
D, E Electricity, gas, steam and air conditioning and water supply; sewerage and waste management	35-39	12,0	11,8	-0,2	-1,9
F Construction	41-43	78,1	77,3	-0,8	-1,0
Construction of buildings	41	28,3	28,0	-0,4	-1,3
Specialised construction activities	43	41,0	40,6	-0,3	-0,8
G Wholesale and retail trade; repair of motor vehicles and motorcycles	45-47	116,5	116,1	-0,4	-0,4
Wholesale and retail trade and repair of motor vehicles and motorcycles	45	18,9	19,8	1,0	5,1
Wholesale trade, except of motor vehicles and motorcycles	46	39,4	37,2	-2,2	-5,5
Retail trade, except of motor vehicles and motorcycles	47	58,3	59,1	0,8	1,3
H Transportation and storage	49-53	61,3	61,7	0,5	0,8
Land, water and air transport	49-51	41,5	42,6	1,1	2,7
Warehousing and support activities for transportation; postal and courier activities	52-53	19,8	19,1	-0,6	-3,2
I Accommodation and food service activities	55-56	32,5	31,0	-1,5	-4,6
J Information and communication	58-63	45,6	46,2	0,6	1,3
K, L Financial, insurance and real estate activities	64-68	32,3	30,6	-1,6	-5,1
M Professional, scientific and technical activities	69-75	68,2	73,9	5,7	8,3
Architectural and engineering activities; technical testing and analysis	71	26,0	26,2	0,3	1,1
N Administrative and support service activities	77-82	37,6	43,4	5,8	15,5
Services to buildings and landscape activities	81	21,9	26,3	4,4	20,3
O Public administration and defence; compulsory social security	84	44,6	43,4	-1,2	-2,8
P Education	85	71,3	71,4	0,1	0,2
Q Human health and social work activities	86-88	157,3	163,0	5,7	3,6

		Year/Quarter		Change	Change
		2013/IV	2014/IV	2013/IV - 2014/IV	2013/IV - 2014/IV
		Million hours	Million hours	Million hours	Per cent, %
Human health activities	86	71,5	72,0	0,5	0,7
Residential care activities	87	35,2	39,3	4,0	11,5
Social work activities without accommodation	88	50,6	51,7	1,1	2,2
R Arts, entertainment and recreation	90-93	20,2	22,7	2,5	12,6
S-U Other service activities	94-99	28,2	32,8	4,6	16,3
X Industry unknown	00	3,3	3,1	.	.

**Appendix table 30. Employed persons aged 15-74 by Regional State Administrative Agencies (AVI) 2013/IV - 2014/IV**

	Year/Quarter		Change	Change
	2013/IV	2014/IV	2013/IV - 2014/IV	2013/IV - 2014/IV
	1000 persons	1000 persons	1000 persons	Per cent, %
Regional State Administrative Agencies				
Whole country (incl. Åland)	2 422	2 418	-5	-0,2
Southern Finland AVI	1 076	1 072	-3	-0,3
Southwestern Finland AVI	304	295	-9	-3,0
Eastern Finland AVI	233	234	1	0,6
Western and Inland Finland AVI	526	531	5	1,0
Northern Finland AVI	197	195	-2	-1,2
Lapland AVI	71	74	3	4,1

**Appendix table 31. Employed persons aged 15-74 by region (2011) 2013/IV - 2014/IV**

Region	Year/Quarter		Change	Change
	2013/IV	2014/IV	2013/IV - 2014/IV	2013/IV - 2014/IV
	1000 persons	1000 persons	1000 persons	Per cent, %
Whole country (incl. Åland)	2 422	2 418	-5	-0,2
Uusimaa	788	789	1	0,1
Varsinais-Suomi	206	202	-4	-2,0
Satakunta	98	93	-5	-5,3
Kanta-Häme	75	77	1	1,4
Pirkanmaa	218	220	2	0,8
Päijät-Häme	85	83	-3	-3,2
Kymenlaakso	71	69	-2	-2,5
South Karelia	56	55	-1	-1,1
Etelä-Savo	61	62	0	0,6
Pohjois-Savo	108	106	-2	-2,0
North Karelia	64	67	3	4,8
Central Finland	110	116	6	5,4
South Ostrobothnia	83	86	3	3,4
Ostrobothnia	84	80	-4	-4,6
Central Ostrobothnia	30	29	-1	-4,0
North Ostrobothnia	167	167	-1	-0,4
Kainuu	30	28	-2	-5,3
Lapland	71	74	3	4,1

**Appendix table 32. Part-time employed persons aged 15-74 by sex 2013/IV - 2014/IV**

	Year/Quarter		Change	
	2013/IV	2014/IV	2013/IV - 2014/IV	2013/IV - 2014/IV
	1000 persons	1000 persons	1000 persons	Per cent, %
Sex				
Both sexes	390	393	4	0,9
Males	140	149	9	6,6
Females	250	244	-6	-2,2

**Appendix table 33. Proportion of part-time employed persons in all employed persons aged 15-74 by sex 2013/IV - 2014/IV, %**

	Year/Quarter		Change
	2013/IV	2014/IV	2013/IV - 2014/IV
	Per cent, %	Per cent, %	Percentage points
Sex			
Both sexes	16,1	16,3	0,2
Males	11,3	12,0	0,7
Females	21,2	20,8	-0,4

**Appendix table 34. Employees aged 15-74 by industry (TOL 2008) 2013/IV - 2014/IV**

		Year/Quarter		Change	Change
		2013/IV	2014/IV	2013/IV - 2014/IV	2013/IV - 2014/IV
		1000 persons	1000 persons	1000 persons	Per cent, %
Industry	TOL 2008				
Industries total	00-99	2 094	2 072	-22	-1,0
A, B Agriculture, forestry and fishing; mining and quarrying	01-09	35	34	-1	-3,3
Agriculture	01	15	15	0	2,0
C Manufacturing	10-33	321	304	-16	-5,1
Manufacture of food products, beverages and textiles	10-15	44	42	-2	-4,6
Manufacture of wood products, paper and paper products; printing and reproduction of recorded media	16-18	45	45	0	0,3
Manufacture of chemicals and chemical products and basic pharmaceutical products	19-23	46	42	-4	-9,2
Manufacture of basic metals and of fabricated metal products, except machinery and equipment	24-25	53	47	-6	-12,0
Manufacture of electronic and optical products, electrical equipment, machinery and vehicles	26-30	105	102	-3	-2,7
Manufacture of furniture, other manufacturing; repair and installation of machinery and equipment	31-33	28	27	-1	-4,1
D, E Electricity, gas, steam and air conditioning and water supply; sewerage and waste management	35-39	26	25	-1	-4,8
F Construction	41-43	133	123	-10	-7,5
Construction of buildings	41	47	42	-4	-8,9
Specialised construction activities	43	67	64	-3	-4,2
G Wholesale and retail trade; repair of motor vehicles and motorcycles	45-47	247	238	-8	-3,3
Wholesale and retail trade and repair of motor vehicles and motorcycles	45	33	35	2	5,9
Wholesale trade, except of motor vehicles and motorcycles	46	76	69	-7	-9,1
Retail trade, except of motor vehicles and motorcycles	47	137	134	-3	-2,4
H Transportation and storage	49-53	119	119	-0	-0,1
Land, water and air transport	49-51	71	71	1	0,9
Warehousing and support activities for transportation; postal and courier activities	52-53	48	47	-1	-1,6
I Accommodation and food service activities	55-56	70	68	-2	-2,8
J Information and communication	58-63	93	89	-3	-3,6
K, L Financial, insurance and real estate activities	64-68	68	64	-4	-5,5
M Professional, scientific and technical activities	69-75	126	132	6	4,8
Architectural and engineering activities; technical testing and analysis	71	53	54	1	2,4
N Administrative and support service activities	77-82	84	92	8	9,2
Services to buildings and landscape activities	81	51	55	5	9,1
O Public administration and defence; compulsory social security	84	107	104	-4	-3,3
P Education	85	180	184	4	2,2
Q Human health and social work activities	86-88	377	378	1	0,4
Human health activities	86	168	164	-4	-2,3

		Year/Quarter		Change	Change
		2013/IV	2014/IV	2013/IV - 2014/IV	2013/IV - 2014/IV
		1000 persons	1000 persons	1000 persons	Per cent, %
Residential care activities	87	84	90	6	7,2
Social work activities without accommodation	88	126	125	-1	-0,6
R Arts, entertainment and recreation	90-93	45	47	3	5,7
S-U Other service activities	94-99	56	62	6	10,1
X Industry unknown	00	8	8	.	.

**Appendix table 35. Hours actually worked of employees aged 15-74 by industry (TOL 2008) 2013/IV - 2014/IV**

		Year/Quarter		Change	Change
		2013/IV	2014/IV	2013/IV - 2014/IV	2013/IV - 2014/IV
		Million hours	Million hours	Million hours	Per cent, %
Industry	TOL 2008				
Industries total	00-99	857,0	862,3	5,3	0,6
A, B Agriculture, forestry and fishing; mining and quarrying	01-09	17,0	16,2	-0,8	-5,0
Agriculture	01	7,5	7,0	-0,6	-7,7
C Manufacturing	10-33	141,0	137,4	-3,6	-2,5
Manufacture of food products, beverages and textiles	10-15	18,8	18,1	-0,7	-3,7
Manufacture of wood products, paper and paper products; printing and reproduction of recorded media	16-18	19,8	20,1	0,3	1,3
Manufacture of chemicals and chemical products and basic pharmaceutical products	19-23	20,1	18,3	-1,8	-8,9
Manufacture of basic metals and of fabricated metal products, except machinery and equipment	24-25	23,5	21,8	-1,7	-7,4
Manufacture of electronic and optical products, electrical equipment, machinery and vehicles	26-30	47,2	46,9	-0,4	-0,8
Manufacture of furniture, other manufacturing; repair and installation of machinery and equipment	31-33	11,4	12,2	0,8	6,7
D, E Electricity, gas, steam and air conditioning and water supply; sewerage and waste management	35-39	11,4	11,1	-0,2	-2,1
F Construction	41-43	58,8	56,6	-2,1	-3,6
Construction of buildings	41	20,0	18,8	-1,3	-6,3
Specialised construction activities	43	30,5	29,9	-0,6	-1,8
G Wholesale and retail trade; repair of motor vehicles and motorcycles	45-47	97,5	96,7	-0,8	-0,9
Wholesale and retail trade and repair of motor vehicles and motorcycles	45	15,0	15,3	0,3	1,8
Wholesale trade, except of motor vehicles and motorcycles	46	33,6	32,9	-0,6	-1,9
Retail trade, except of motor vehicles and motorcycles	47	48,9	48,4	-0,5	-1,0
H Transportation and storage	49-53	50,1	49,6	-0,5	-1,0
Land, water and air transport	49-51	31,0	31,3	0,3	0,9
Warehousing and support activities for transportation; postal and courier activities	52-53	19,1	18,3	-0,8	-4,0
I Accommodation and food service activities	55-56	27,1	23,7	-3,4	-12,6
J Information and communication	58-63	40,9	41,1	0,2	0,4
K, L Financial, insurance and real estate activities	64-68	29,1	27,5	-1,6	-5,6
M Professional, scientific and technical activities	69-75	52,4	56,6	4,2	8,0
Architectural and engineering activities; technical testing and analysis	71	21,8	22,9	1,2	5,4
N Administrative and support service activities	77-82	32,7	37,2	4,5	13,7
Services to buildings and landscape activities	81	18,4	22,3	3,9	21,0
O Public administration and defence; compulsory social security	84	44,6	43,4	-1,2	-2,7
P Education	85	69,3	69,7	0,4	0,6
Q Human health and social work activities	86-88	147,6	153,6	6,0	4,1

		Year/Quarter		Change	Change
		2013/IV	2014/IV	2013/IV - 2014/IV	2013/IV - 2014/IV
		Million hours	Million hours	Million hours	Per cent, %
Human health activities	86	66,0	67,0	1,0	1,6
Residential care activities	87	34,2	37,7	3,5	10,3
Social work activities without accommodation	88	47,5	48,9	1,4	3,0
R Arts, entertainment and recreation	90-93	15,1	15,9	0,8	5,3
S-U Other service activities	94-99	19,6	23,4	3,8	19,3
X Industry unknown	00	2,9	2,7	.	.

**Appendix table 36. Employees aged 15-74 by type of employment relationship 2013/IV - 2014/IV**

	Year/Quarter		Change	Change
	2013/IV	2014/IV	2013/IV - 2014/IV	2013/IV - 2014/IV
	1000 persons	1000 persons	1000 persons	Per cent, %
Employment relationship				
Employees total	2 094	2 072	-22	-1,0
- permanent full-time work	1 563	1 545	-18	-1,1
- permanent part-time work	224	233	9	3,9
- temporary (fixed-term) full-time work	209	206	-3	-1,6
- temporary (fixed-term) part-time work	97	88	-9	-9,7
Temporary (fixed-term) work total	307	294	-13	-4,2
Part-time work total	321	321	-1	-0,2

**Appendix table 37. Employees aged 15-74 by type of employment relationship 2013/IV - 2014/IV, %**

	Year/Quarter		Change
	2013/IV	2014/IV	2013/IV - 2014/IV
	Per cent, %	Per cent, %	Percentage points
Employment relationship			
Employees total	100,0	100,0	0,0
- permanent full-time work	74,7	74,6	-0,1
- permanent part-time work	10,7	11,2	0,5
- temporary (fixed-term) full-time work	10,0	9,9	-0,1
- temporary (fixed-term) part-time work	4,6	4,2	-0,4
Temporary (fixed-term) work total	14,7	14,2	-0,5
Part-time work total	15,3	15,5	0,1

**Appendix table 38. Different types of employment relationships less than 12 month's duration 2013/IV - 2014/IV, persons aged 15-74**

	Year/Quarter		Change	
	2013/IV	2014/IV	2013/IV - 2014/IV	2013/IV - 2014/IV
	1000 persons	1000 persons	1000 persons	Per cent, %
Employment relationship				
Employees total	390	382	-8	-2,0
- permanent full-time work	141	133	-8	-5,5
- permanent part-time work	51	56	5	9,2
- temporary (fixed-term) full-time work	128	131	3	2,4
- temporary (fixed-term) part-time work	70	62	-8	-11,5
Temporary (fixed-term) work total	198	193	-5	-2,5
Part-time work total	122	118	-3	-2,7

**Appendix table 39. Different types of employment relationships less than 12 month's duration 2013/IV - 2014/IV, persons aged 15-74, %**

	Year/Quarter		Change
	2013/IV	2014/IV	2013/IV - 2014/IV
	Per cent, %	Per cent, %	Percentage points
Employment relationship			
Employees total	100,0	100,0	0,0
- permanent full-time work	36,1	34,8	-1,3
- permanent part-time work	13,2	14,7	1,5
- temporary (fixed-term) full-time work	32,7	34,2	1,5
- temporary (fixed-term) part-time work	18,0	16,3	-1,7
Temporary (fixed-term) work total	50,8	50,5	-0,2
Part-time work total	31,2	31,0	-0,2

**Appendix table 40. Unemployed persons by sex and age 2013/IV - 2014/IV**

		Year/Quarter		Change	
		2013/IV	2014/IV	2013/IV - 2014/IV	2013/IV - 2014/IV
		1000 persons	1000 persons	1000 persons	Per cent, %
Sex	Age group				
Both sexes	15-74	203	223	20	9,7
	15-64	202	222	19	9,6
	15-24	47	55	8	16,6
	25-34	50	51	1	1,9
	35-44	34	35	1	3,0
	45-54	39	43	4	11,5
	55-64	32	37	5	16,2
Males	15-74	110	126	17	15,2
	15-64	109	126	17	15,4
	15-24	25	30	5	20,5
	25-34	26	29	3	9,7
	35-44	18	21	2	13,0
	45-54	22	25	3	13,3
	55-64	17	21	4	22,2
Females	15-74	93	96	3	3,1
	15-64	93	96	3	2,8
	15-24	22	25	3	12,3
	25-34	24	22	-2	-6,6
	35-44	16	14	-1	-8,7
	45-54	16	18	1	9,0
	55-64	15	16	1	9,4

**Appendix table 41. Unemployment rate by sex and age 2013/IV - 2014/IV**

		Year/Quarter		Change
		2013/IV	2014/IV	2013/IV - 2014/IV
		Per cent, %	Per cent, %	Percentage points
Sex	Age group			
Both sexes	15-74	7,7	8,4	0,7
	15-64	7,9	8,6	0,7
	15-24	16,2	18,8	2,7
	25-34	8,9	9,1	0,3
	35-44	5,9	6,1	0,1
	45-54	5,9	6,6	0,7
	55-64	6,7	7,7	1,0
Males	15-74	8,1	9,2	1,1
	15-64	8,3	9,5	1,2
	15-24	17,9	20,6	2,7
	25-34	8,4	9,3	0,9
	35-44	6,0	6,7	0,7
	45-54	6,8	7,7	1,0
	55-64	7,5	8,9	1,4
Females	15-74	7,3	7,6	0,2
	15-64	7,4	7,7	0,2
	15-24	14,5	17,1	2,6
	25-34	9,4	8,8	-0,6
	35-44	5,8	5,3	-0,5
	45-54	5,1	5,5	0,4
	55-64	6,0	6,5	0,5

**Appendix table 42. Unemployment rates by Regional State Administrative Agencies (AVI) 2013/IV - 2014/IV**

	Year/Quarter		Change
	2013/IV	2014/IV	2013/IV - 2014/IV
	Per cent, %	Per cent, %	Percentage points
Regional State Administrative Agencies			
Whole country (incl. Åland)	7,7	8,4	0,7
Southern Finland AVI	6,9	7,8	1,0
Southwestern Finland AVI	7,1	9,3	2,2
Eastern Finland AVI	9,3	9,1	-0,2
Western and Inland Finland AVI	8,1	8,1	0,0
Northern Finland AVI	10,1	10,5	0,4
Lapland AVI	10,0	9,0	-1,0

**Appendix table 43. Unemployment rates by region (2011) 2013/IV - 2014/IV**

Region	Year/Quarter		Change
	2013/IV	2014/IV	2013/IV - 2014/IV
	Per cent, %	Per cent, %	Percentage points
Whole country (incl. Åland)	7,7	8,4	0,7
Uusimaa	6,7	7,3	0,6
Varsinais-Suomi	7,3	10,0	2,8
Satakunta	6,7	7,8	1,0
Kanta-Häme	6,1	7,1	1,1
Pirkanmaa	9,3	9,3	0,0
Päijät-Häme	7,8	10,2	2,4
Kymenlaakso	9,4	11,7	2,3
South Karelia	5,6	7,4	1,9
Etelä-Savo	10,9	9,6	-1,2
Pohjois-Savo	7,8	8,1	0,3
North Karelia	10,3	10,3	0,0
Central Finland	10,4	8,3	-2,1
South Ostrobothnia	6,9	7,6	0,6
Ostrobothnia	4,2	4,6	0,4
Central Ostrobothnia	4,3	9,4	5,0
North Ostrobothnia	9,9	9,2	-0,7
Kainuu	11,3	17,6	6,3
Lapland	10,0	9,0	-1,0

## Appendix tables 2014, year

**Appendix table 44. Key indicators in the Labour Force Survey by sex in 2012 - 2014**

		Year			Change
		2012	2013	2014	2013/2014
		Per cent, %	Per cent, %	Per cent, %	Percentage points
Indicator	Sex				
Employment rate, persons aged 15–64	Both sexes	69,0	68,5	68,3	-0,2
	Males	69,8	69,2	68,7	-0,4
	Females	68,1	67,8	67,9	0,1
Unemployment rate, persons aged 15–74	Both sexes	7,7	8,2	8,7	0,5
	Males	8,3	8,8	9,3	0,5
	Females	7,1	7,5	8,0	0,4
Activity rate, persons aged 15–74	Both sexes	66,0	65,5	65,4	-0,1
	Males	68,2	67,6	67,4	-0,2
	Females	63,8	63,4	63,4	0,1

**Appendix table 45. Population aged 15-74 by labour force status and sex in 2012 - 2014**

		Year			Change	Change
		2012	2013	2014	2013/2014	2013/2014
		1000 persons	1000 persons	1000 persons	1000 persons	Per cent, %
Sex	Labour force status					
Both sexes	Population total	4 075	4 087	4 095	9	0,2
	Active population total	2 690	2 676	2 679	3	0,1
	- employed	2 483	2 457	2 447	-9	-0,4
	- unemployed	207	219	232	13	5,9
	Inactive population	1 385	1 411	1 416	5	0,4
Males	Population total	2 041	2 047	2 052	5	0,2
	Active population total	1 392	1 383	1 383	0	0,0
	- employed	1 277	1 261	1 254	-7	-0,6
	- unemployed	115	122	129	7	5,7
	Inactive population	648	664	669	5	0,8
Females	Population total	2 034	2 039	2 043	4	0,2
	Active population total	1 298	1 293	1 296	4	0,3
	- employed	1 206	1 195	1 193	-2	-0,2
	- unemployed	92	97	103	6	6,1
	Inactive population	736	747	747	0	0,0

**Appendix table 46. Employment rates by sex and age in 2012 - 2014**

		Year			Change
		2012	2013	2014	2013/2014
		Per cent, %	Per cent, %	Per cent, %	Percentage points
Sex	Age group				
Both sexes	15-74	60,9	60,1	59,8	-0,4
	15-64	69,0	68,5	68,3	-0,2
	15-24	40,6	40,3	40,2	-0,1
	25-34	76,8	76,3	75,1	-1,2
	35-44	84,8	83,0	82,8	-0,2
	45-54	84,2	83,6	83,3	-0,3
	55-64	58,2	58,5	59,1	0,6
	65-74	9,5	9,2	10,2	0,9
Males	15-74	62,6	61,6	61,1	-0,5
	15-64	69,8	69,2	68,7	-0,4
	15-24	38,7	36,9	37,6	0,7
	25-34	82,4	82,3	80,2	-2,0
	35-44	87,6	86,7	85,6	-1,1
	45-54	83,5	82,8	82,4	-0,4
	55-64	56,6	56,5	56,8	0,3
	65-74	12,8	12,3	13,7	1,4
Females	15-74	59,3	58,6	58,4	-0,2
	15-64	68,1	67,8	67,9	0,1
	15-24	42,6	43,8	42,8	-1,0
	25-34	70,8	70,0	69,7	-0,3
	35-44	81,9	79,2	79,9	0,7
	45-54	84,9	84,5	84,3	-0,2
	55-64	59,7	60,5	61,4	0,9
	65-74	6,6	6,5	7,0	0,5

**Appendix table 47. Employed person aged 15-74 by educational level and sex in 2011 - 2013**

		Year			Change	
		2011	2012	2013	2012/2013	2012/2013
		1000 persons	1000 persons	1000 persons	1000 persons	Per cent, %
Sex	Level of education					
Both sexes	Total	2 474	2 483	2 457	-27	-1,1
	Upper secondary education (3)	1 120	1 139	1 120	-19	-1,7
	Tertiary education total (5,6,7,8)	997	1 003	1 025	22	2,2
	- lowest level tertiary education (5)	351	326	308	-18	-5,5
	- lower university level (6)	315	335	355	20	6,0
	- higher university or doctorate level (7,8)	331	342	362	19	5,7
	No post-basic level education or level of education unknown	357	342	312	-29	-8,6
Males	Total	1 278	1 277	1 261	-16	-1,2
	Upper secondary education (3)	622	632	623	-9	-1,4
	Tertiary education total (5,6,7,8)	438	438	449	11	2,6
	- lowest level tertiary education (5)	134	122	116	-6	-5,2
	- lower university level (6)	147	157	165	8	5,1
	- higher university or doctorate level (7,8)	157	158	168	10	6,2
	No post-basic level education or level of education unknown	217	208	189	-18	-8,8
Females	Total	1 196	1 206	1 195	-11	-0,9
	Upper secondary education (3)	498	507	497	-10	-2,0
	Tertiary education total (5,6,7,8)	558	565	575	10	1,8
	- lowest level tertiary education (5)	217	203	192	-12	-5,7
	- lower university level (6)	168	178	190	12	6,9
	- higher university or doctorate level (7,8)	173	184	193	10	5,2
	No post-basic level education or level of education unknown	139	134	123	-11	-8,2

**Appendix table 48. Employed persons aged 15-74 by industry (TOL 2008) in 2012 - 2014**

		Year			Change	Change
		2012	2013	2014	2013/2014	2013/2014
		1000 persons	1000 persons	1000 persons	1000 persons	Per cent, %
Industry	TOL 2008					
Industries total	00-99	2 483	2 457	2 447	-9	-0,4
A, B Agriculture, forestry and fishing; mining and quarrying	01-09	109	107	109	2	1,6
Agriculture	01	78	76	76	0	0,6
C Manufacturing	10-33	357	350	331	-19	-5,4
Manufacture of food products, beverages and textiles	10-15	51	48	47	-1	-2,1
Manufacture of wood products, paper and paper products; printing and reproduction of recorded media	16-18	52	52	49	-3	-4,9
Manufacture of chemicals and chemical products and basic pharmaceutical products	19-23	50	49	45	-4	-8,8
Manufacture of basic metals and of fabricated metal products, except machinery and equipment	24-25	57	59	54	-5	-7,7
Manufacture of electronic and optical products, electrical equipment, machinery and vehicles	26-30	113	109	105	-3	-3,1
Manufacture of furniture, other manufacturing; repair and installation of machinery and equipment	31-33	34	35	31	-3	-9,0
D, E Electricity, gas, steam and air conditioning and water supply; sewerage and waste management	35-39	25	27	28	1	3,4
F Construction	41-43	175	176	169	-7	-3,9
Construction of buildings	41	66	65	62	-3	-4,8
Specialised construction activities	43	89	91	88	-3	-3,3
G Wholesale and retail trade; repair of motor vehicles and motorcycles	45-47	300	296	290	-6	-2,0
Wholesale and retail trade and repair of motor vehicles and motorcycles	45	46	42	42	0	-0,1
Wholesale trade, except of motor vehicles and motorcycles	46	93	91	87	-4	-4,0
Retail trade, except of motor vehicles and motorcycles	47	162	163	161	-2	-1,3
H Transportation and storage	49-53	144	142	140	-2	-1,7
Land, water and air transport	49-51	91	92	90	-2	-1,7
Warehousing and support activities for transportation; postal and courier activities	52-53	52	51	50	-1	-1,6
I Accommodation and food service activities	55-56	86	86	86	-1	-0,9
J Information and communication	58-63	101	100	100	1	0,5
K, L Financial, insurance and real estate activities	64-68	74	71	74	2	3,4
M Professional, scientific and technical activities	69-75	161	164	169	5	2,8
Architectural and engineering activities; technical testing and analysis	71	59	61	62	1	1,1
N Administrative and support service activities	77-82	100	96	101	4	4,5

		Year			Change	
		2012	2013	2014	2013/2014	2013/2014
		1000 persons	1000 persons	1000 persons	1000 persons	Per cent, %
Services to buildings and landscape activities	81	61	59	61	3	5,0
O Public administration and defence; compulsory social security	84	113	111	106	-5	-4,7
P Education	85	175	175	180	6	3,2
Q Human health and social work activities	86-88	409	399	402	3	0,7
Human health activities	86	193	184	180	-5	-2,6
Residential care activities	87	86	88	96	7	8,3
Social work activities without accommodation	88	129	127	127	0	0,4
R Arts, entertainment and recreation	90-93	59	62	64	2	3,1
S-U Other service activities	94-99	83	83	87	4	5,3
X Industry unknown	00	11	10	11	1	10,6

**Appendix table 49. Hours actually worked by employed persons aged 15-74 by industry (TOL 2008) in 2012 - 2014**

		Year			Change	Change
		2012	2013	2014	2013/2014	2013/2014
		Million hours	Million hours	Million hours	Million hours	Per cent, %
Industry	TOL 2008					
Industries total	00-99	4040,4	3963,7	3956,3	-7,4	-0,2
A, B Agriculture, forestry and fishing; mining and quarrying	01-09	229,2	219,5	219,7	0,2	0,1
Agriculture	01	172,6	162,7	162,6	0,0	0,0
C Manufacturing	10-33	604,1	594,2	565,2	-28,9	-4,9
Manufacture of food products, beverages and textiles	10-15	84,4	79,2	77,5	-1,7	-2,1
Manufacture of wood products, paper and paper products; printing and reproduction of recorded media	16-18	88,9	85,8	83,0	-2,8	-3,3
Manufacture of chemicals and chemical products and basic pharmaceutical products	19-23	83,7	83,1	76,2	-7,0	-8,4
Manufacture of basic metals and of fabricated metal products, except machinery and equipment	24-25	98,9	100,3	94,9	-5,4	-5,4
Manufacture of electronic and optical products, electrical equipment, machinery and vehicles	26-30	188,9	186,2	179,9	-6,3	-3,4
Manufacture of furniture, other manufacturing; repair and installation of machinery and equipment	31-33	59,2	59,5	53,7	-5,8	-9,7
D, E Electricity, gas, steam and air conditioning and water supply; sewerage and waste management	35-39	41,9	44,5	45,9	1,4	3,2
F Construction	41-43	317,7	312,9	303,4	-9,5	-3,0
Construction of buildings	41	114,1	114,3	109,9	-4,4	-3,8
Specialised construction activities	43	166,5	164,7	159,2	-5,5	-3,3
G Wholesale and retail trade; repair of motor vehicles and motorcycles	45-47	484,9	475,3	464,6	-10,7	-2,3
Wholesale and retail trade and repair of motor vehicles and motorcycles	45	84,6	75,1	75,0	-0,1	-0,1
Wholesale trade, except of motor vehicles and motorcycles	46	160,0	159,3	152,0	-7,2	-4,5
Retail trade, except of motor vehicles and motorcycles	47	240,3	241,0	237,6	-3,4	-1,4
H Transportation and storage	49-53	250,4	241,3	239,2	-2,1	-0,9
Land, water and air transport	49-51	173,6	167,0	163,7	-3,3	-2,0
Warehousing and support activities for transportation; postal and courier activities	52-53	76,8	74,3	75,5	1,3	1,7
I Accommodation and food service activities	55-56	136,6	135,2	131,6	-3,6	-2,7
J Information and communication	58-63	168,3	165,8	170,2	4,4	2,7
K, L Financial, insurance and real estate activities	64-68	120,3	116,6	119,3	2,7	2,3
M Professional, scientific and technical activities	69-75	266,7	266,6	272,4	5,8	2,2
Architectural and engineering activities; technical testing and analysis	71	98,6	99,7	101,0	1,3	1,3
N Administrative and support service activities	77-82	160,6	152,8	157,5	4,7	3,1

		Year			Change	Change
		2012	2013	2014	2013/2014	2013/2014
		Million hours	Million hours	Million hours	Million hours	Per cent, %
Services to buildings and landscape activities	81	96,2	91,9	94,9	3,0	3,3
O Public administration and defence; compulsory social security	84	177,7	172,9	165,1	-7,8	-4,5
P Education	85	238,0	244,1	253,8	9,7	4,0
Q Human health and social work activities	86-88	612,1	598,5	612,7	14,2	2,4
Human health activities	86	288,7	277,6	270,0	-7,6	-2,7
Residential care activities	87	135,1	137,8	153,3	15,5	11,3
Social work activities without accommodation	88	188,3	183,2	189,4	6,3	3,4
R Arts, entertainment and recreation	90-93	86,2	86,7	89,1	2,4	2,8
S-U Other service activities	94-99	128,9	120,6	128,7	8,1	6,8
X Industry unknown	00	16,8	16,2	17,8	1,6	9,9

**Appendix table 50. Employed persons aged 15-74 by employer sector and sex in 2012 - 2014**

		Year			Change	Change
		2012	2013	2014	2013/2014	2013/2014
		1000 persons	1000 persons	1000 persons	1000 persons	Per cent, %
Sex	Employer sector					
Both sexes	Employer sector total (incl. employer sector unknown)	2 483	2 457	2 447	-9	-0,4
	Private sector	1 808	1 781	1 764	-16	-0,9
	Public sector	666	668	673	5	0,8
	- central government	144	142	139	-3	-2,1
	- local government	522	526	534	8	1,5
Males	Employer sector total (incl. employer sector unknown)	1 277	1 261	1 254	-7	-0,6
	Private sector	1 089	1 070	1 058	-13	-1,2
	Public sector	184	188	192	4	2,3
	- central government	70	68	69	1	0,9
	- local government	114	120	123	4	3,1
Females	Employer sector total (incl. employer sector unknown)	1 206	1 195	1 193	-2	-0,2
	Private sector	719	710	706	-4	-0,5
	Public sector	481	480	481	1	0,2
	- central government	73	73	70	-4	-4,8
	- local government	408	407	411	4	1,1

**Appendix table 51. Employed persons aged 15-74 by region (2011) in 2012 - 2014**

Region	Year			Change	
	2012	2013	2014	2013/2014	2013/2014
	1000 persons	1000 persons	1000 persons	1000 persons	Per cent, %
Whole country	2 483	2 457	2 447	-9	-0,4
Uusimaa	798	796	796	0	0,0
Varsinais-Suomi	217	212	207	-5	-2,4
Satakunta	99	98	96	-2	-2,2
Kanta-Häme	80	77	79	2	2,0
Pirkanmaa	225	222	222	0	0,1
Päijät-Häme	89	85	83	-3	-3,2
Kymenlaakso	78	74	71	-3	-4,4
South Karelia	55	54	55	1	2,1
Etelä-Savo	63	63	62	-1	-2,3
Pohjois-Savo	106	108	108	0	-0,3
North Karelia	66	65	68	2	3,3
Central Finland	115	112	115	3	2,4
South Ostrobothnia	87	85	86	1	1,4
Ostrobothnia	84	83	83	0	-0,5
Central Ostrobothnia	31	31	30	-1	-4,3
North Ostrobothnia	168	170	170	0	-0,1
Kainuu	32	31	29	-2	-5,9
Lapland	75	74	74	-1	-0,9
Åland	15	15	16	1	5,5

**Appendix table 52. Employees aged 15-74 by type of employment relationship and sex in 2012 - 2014**

		Year			Change	Change
		2012	2013	2014	2013/2014	2013/2014
		1000 persons	1000 persons	1000 persons	1000 persons	Per cent, %
Sex	Employment relationship					
Both sexes	Employees total	2 146	2 127	2 105	-22	-1,0
	- permanent full-time work	1 588	1 580	1 558	-22	-1,4
	- permanent part-time work	222	217	218	2	0,7
	- temporary (fixed-term) full-time work	247	243	241	-2	-0,8
	- temporary (fixed-term) part-time work	89	88	88	0	0,5
	Temporary (fixed-term) work total	336	330	329	-1	-0,4
	Part-time work total	311	304	306	2	0,6
Males	Employees total	1 047	1 036	1 023	-14	-1,3
	- permanent full-time work	847	846	827	-19	-2,2
	- permanent part-time work	66	61	67	5	8,8
	- temporary (fixed-term) full-time work	105	100	101	1	0,9
	- temporary (fixed-term) part-time work	29	30	28	-1	-4,6
	Temporary (fixed-term) work total	134	129	129	0	-0,3
	Part-time work total	95	91	95	4	4,5
Females	Employees total	1 099	1 090	1 082	-8	-0,8
	- permanent full-time work	741	734	730	-3	-0,5
	- permanent part-time work	156	155	151	-4	-2,5
	- temporary (fixed-term) full-time work	142	143	140	-3	-2,0
	- temporary (fixed-term) part-time work	60	58	60	2	3,1
	Temporary (fixed-term) work total	202	201	200	-1	-0,5
	Part-time work total	216	213	211	-2	-1,0

**Appendix table 53. Unemployment rates by sex and age in 2012 - 2014**

		Year			Change
		2012	2013	2014	2013/2014
		Per cent, %	Per cent, %	Per cent, %	Percentage points
Sex	Age group				
Both sexes	15-74	7,7	8,2	8,7	0,5
	15-64	7,8	8,3	8,8	0,5
	15-24	19,0	19,9	20,5	0,6
	25-34	7,6	7,9	8,6	0,8
	35-44	5,3	6,1	6,4	0,4
	45-54	5,6	5,9	6,4	0,5
	55-64	6,6	7,0	7,3	0,3
Males	15-74	8,3	8,8	9,3	0,5
	15-64	8,5	9,0	9,6	0,6
	15-24	19,9	22,9	22,8	-0,1
	25-34	7,7	7,9	8,9	1,0
	35-44	5,5	6,0	6,9	0,8
	45-54	6,6	6,7	7,1	0,4
	55-64	8,1	8,1	8,3	0,2
Females	15-74	7,1	7,5	8,0	0,4
	15-64	7,1	7,6	8,1	0,4
	15-24	18,0	17,1	18,4	1,3
	25-34	7,4	7,9	8,4	0,5
	35-44	5,0	6,1	5,9	-0,2
	45-54	4,7	5,1	5,7	0,5
	55-64	5,1	5,9	6,3	0,5

**Appendix table 54. Unemployment rates by region (2011) in 2012 - 2014, persons aged 15-74**

Region	Year			Change
	2012	2013	2014	2013/2014
	Per cent, %	Per cent, %	Per cent, %	Percentage points
Whole country (incl. Åland)	7,7	8,2	8,7	0,5
Uusimaa	6,3	6,7	7,3	0,6
Varsinais-Suomi	7,7	8,9	9,6	0,7
Satakunta	7,4	7,7	7,5	-0,2
Kanta-Häme	6,7	6,6	6,6	0,0
Pirkanmaa	9,2	9,4	9,5	0,0
Päijät-Häme	8,1	8,3	10,3	2,0
Kymenlaakso	7,5	9,4	11,3	2,0
South Karelia	6,8	7,9	8,8	0,9
Etelä-Savo	9,1	10,8	9,7	-1,1
Pohjois-Savo	8,2	8,1	8,6	0,5
North Karelia	11,7	12,5	10,4	-2,1
Central Finland	9,1	10,0	10,4	0,3
South Ostrobothnia	7,0	7,6	7,9	0,3
Ostrobothnia	6,0	5,6	6,1	0,5
Central Ostrobothnia	4,9	4,7	7,6	3,0
North Ostrobothnia	9,6	9,9	10,2	0,2
Kainuu	11,4	11,5	16,9	5,3
Lapland	10,4	10,5	9,7	-0,8

**Appendix table 55. Unemployment rates by educational level and sex in 2011 - 2013, persons aged 15-74**

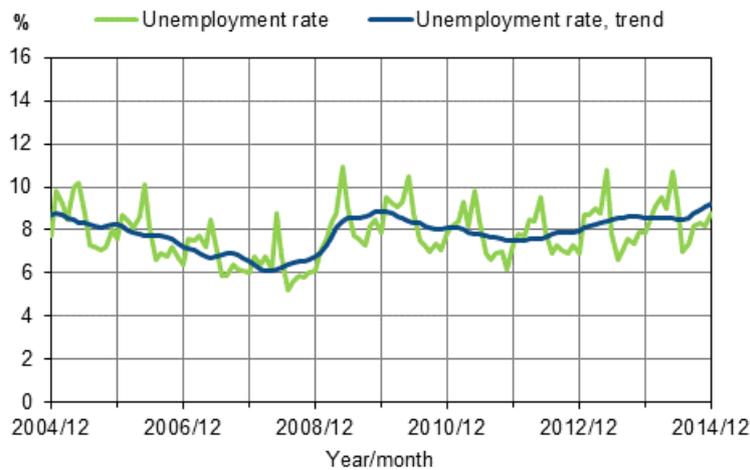
		Year			Change
		2011	2012	2013	2012/2013
		Per cent, %	Per cent, %	Per cent, %	Percentage points
Sex	Level of education				
Both sexes	Total	7,8	7,7	8,2	0,5
	Upper secondary education (3)	8,4	8,3	8,9	0,7
	Tertiary education total (5,6,7,8)	4,0	4,1	4,7	0,6
	- lowest level tertiary education (5)	3,6	3,7	4,1	0,4
	- lower university level (6)	4,8	4,3	5,4	1,0
	- higher university or doctorate level (7,8)	3,8	4,1	4,4	0,3
	No post-basic level education or level of education unknown	15,3	15,3	15,9	0,7
Males	Total	8,4	8,3	8,8	0,5
	Upper secondary education (3)	8,8	8,8	9,4	0,7
	Tertiary education total (5,6,7,8)	4,3	4,6	5,1	0,5
	- lowest level tertiary education (5)	4,7	5,6	5,1	-0,5
	- lower university level (6)	5,0	4,3	5,6	1,3
	- higher university or doctorate level (7,8)	3,3	4,2	4,6	0,5
	No post-basic level education or level of education unknown	14,8	13,9	14,9	0,9
Females	Total	7,1	7,1	7,5	0,5
	Upper secondary education (3)	7,9	7,7	8,3	0,7
	Tertiary education total (5,6,7,8)	3,8	3,7	4,3	0,7
	- lowest level tertiary education (5)	2,9	2,6	3,5	0,9
	- lower university level (6)	4,6	4,4	5,2	0,8
	- higher university or doctorate level (7,8)	4,2	4,1	4,2	0,2
	No post-basic level education or level of education unknown	16,1	17,3	17,5	0,2

## Appendix figures 2014, December

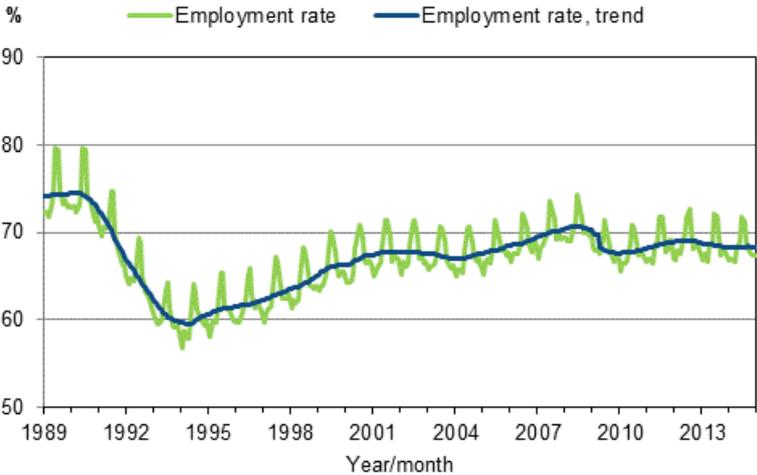
**Appendix figure 1. Employment rate and trend of employment rate 2004/12–2014/12, persons aged 15–64**



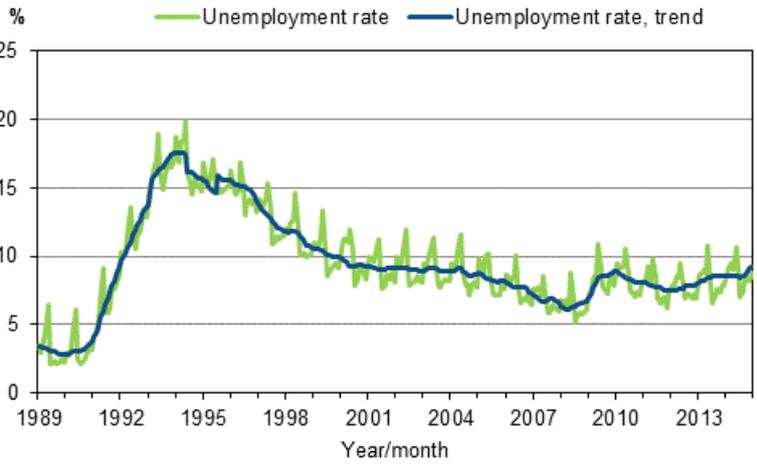
**Appendix figure 2. Unemployment rate and trend of unemployment rate 2004/12–2014/12, persons aged 15–74**



**Appendix figure 3. Employment rate and trend of employment rate 1989/01–2014/12, persons aged 15–64**



**Appendix figure 4. Unemployment rate and trend of unemployment rate 1989/01–2014/12, persons aged 15–74**



# Quality Description: Labour force survey

## 1. Relevance of statistical information

The Labour Force Survey is a sample survey used in the compilation of monthly, quarterly and annual statistics on participation in the labour market, employment, unemployment and working hours among the population aged between 15 and 74. The data content of the Survey is based on an EU regulation, and the Survey sample includes approximately 12,000 persons every month. The information provided by the respondents is used to draw a picture of the activities of the entire population aged between 15 and 74 on the labour market during one week. In the basic classification of labour market status, the population is divided into the employed, the unemployed and the economically inactive. The active population (labour force) consists of the employed and the unemployed.

The Survey provides an up-to-date and comprehensive picture of the active population (labour force) and changes on the labour market. Public attention focuses each month especially on the changes in employment and unemployment from the corresponding month of the previous year. Seasonally adjusted figures are used to monitor the trend of the changes. The Survey also provides information about persons of working age who are not employed or job seekers. Since 2003, information has also been obtained from a subsample about the structure of households and the activities of all household members aged 15 to 74 relative to the labour market. A description of the data content of the Labour Force Survey is available at:

[http://tilastokeskus.fi/til/tyti/tyti\\_2008-02-19\\_tlu\\_001\\_en.html](http://tilastokeskus.fi/til/tyti/tyti_2008-02-19_tlu_001_en.html).

The monthly and quarterly results of the Labour Force Survey describe the seasonal and trend variation of employment. The Labour Force Survey time series describe long term changes in the labour market. Annual averages describe the active population, that is, the employed and the unemployed, and the economically inactive persons by, for instance, industry, occupation, education, age, gender and area.

The results of the Survey are used in preparing, among other things, labour market projections and plans, as support for decision-making and in the monitoring of the effects of different measures on employment. Key users of the results are ministries, authorities responsible for regional planning, employers' and employees' organisations, universities and research institutes, international organisations and the European Union. At Statistics Finland the data are used in, for instance, calculations of National Accounts. The Statistical Office of the European Communities, Eurostat, steers the content of the Survey and monitors its quality. Eurostat produces structural indicators and other statistics from the quarterly data that are submitted to it.

The concepts and definitions used in the Survey comply with the recommendations of ILO, the International Labour Organisation of the UN, and the regulations of the European Union on official statistics. The current data content of the Labour Force Survey is mainly based on the EU Regulations concerning Labour Force Surveys (Nos 577/98, 2257/2003 and 430/2005). A detailed description of the EU Labour Force Survey is available at:

[http://ec.europa.eu/eurostat/statistics-explained/index.php/Labour\\_market\\_and\\_Labour\\_force\\_survey\\_\(LFS\)\\_statistics](http://ec.europa.eu/eurostat/statistics-explained/index.php/Labour_market_and_Labour_force_survey_(LFS)_statistics).

Since 1999 a harmonised EU ad hoc survey with an annually changing topic has been conducted in connection with the Labour Force Survey. Further information about the ad hoc surveys can be found (in Finnish) at: [http://tilastokeskus.fi/til/tyti/tyti\\_2011-11-28\\_men\\_001.html](http://tilastokeskus.fi/til/tyti/tyti_2011-11-28_men_001.html).

Concepts:

- A person is **employed** if he/she has during the survey week been in gainful employment for at least one hour against pay in money or fringe benefits, or to make a profit, or has been temporarily absent from work. Persons absent from work during the survey week are classified as employed if the reason for absence is own illness or maternity or paternity leave or the absence has lasted for under three months. The employed are divided into employees, self-employed or unpaid family workers.
- A person is **unemployed** if he/she is without work during the survey week, has actively sought employment in the past four weeks as an employee or self-employed and would be available for work within two weeks. A person who is without work and waiting for an agreed job to start within three months is also classified as unemployed, if he/she could start work within two weeks.

- The **active population (labour force)** comprises all persons who are employed or unemployed during the survey week.
- The **economically inactive population** consists of persons who are not employed or unemployed during the survey week. The economically inactive population can also be referred as persons outside the labour force. Explanations for other concepts of the Labour Force Survey can be found at: [http://tilastokeskus.fi/til/tyti/kas\\_en.html](http://tilastokeskus.fi/til/tyti/kas_en.html).

**The classifications** used in the Labour Force Survey include the Standard Industrial Classification (TOL 2008, NACE Rev. 2), the Classification of Occupations 2010 (ISCO-08), the Classification of Socio-economic Groups 1989 (based on the Classification of Occupations 2010) and the Classification of Education 2011 (ISCED) as well as the regional classification into Major Regions, Regional State Administrative Agencies (AVI), Centres for Economic Development, Transport and the Environment (ELY Centre) and Regions.

## *2. Methodological description of the statistical survey*

The population of the Labour Force Survey consists of persons aged between 15 and 74 who are permanent residents of Finland. The population also comprises persons residing temporarily (for under one year) abroad as well as foreign nationals registered in the Finnish Population Information System whose stay in Finland will last for at least one year (<http://www.vrk.fi/default.aspx?id=48>).

The sample of the Labour Force Survey is drawn twice a year as a stratified random sample from Statistics Finland's population database, which is based on the Central Population Register. The survey is a panel survey in which one person is interviewed five times. The interviews are conducted every three months, apart from the fourth interview which is conducted six months after the third interview. The first and last interviews are 15 months apart. The sample of each month consists of approximately 12,000 persons, which is, on the average, every 300th person in the population. The sample for one survey month consists of five rotation groups which have entered the survey at different points of time. The sample changes gradually so that different persons answer the questions during three consecutive months. In consecutive quarters three-fifths of the respondents are the same. In consecutive years the overlap is two-fifths. The data are collected from all weeks of the year.

In most European countries the Labour Force Survey data are collected from a sample of households, which means that all members of a household living at the same address are interviewed at the same time. Besides Finland, Sweden, Denmark and Switzerland are the only other countries where the sample is based on individual persons, i.e. only the target persons drawn into the sample are interviewed. However, the EU regulation also requires data concerning households and in Finland this has been solved by exploiting the panel nature of the Labour Force Survey. In addition to the basic interview, a household interview is conducted on the fifth interview round to ascertain the members who belong to the household of the interviewee and the activity of the household members aged 15 to 74 on the labour market. So that the data would describe the whole population, a supplementing sample is added to it of households in which all members are aged 75 or over. Children under the age of 15 and persons aged over 75 are not interviewed in the Labour Force Survey, but certain data are imputed for them to describe their status on the labour market.

The household data enable examinations of, for instance, employment in the family and the joint status of both spouses on the labour market. In 2013, the household data comprised approximately 53,000 persons who formed 23,000 households. The household data for the Labour Force Survey have been collected by the present method since 2003 and the data can mainly be published starting from the year 2004.

The data content of the survey varies by survey round. Certain basic pieces of information are inquired in the first round and checks are then made in subsequent rounds to see whether they have remained unchanged. The data content is wider in the last, or the fifth, survey round which includes the household module, the annual ad hoc module with variable topics, as well as certain additional questions concerning the main job.

Statistics Finland's interviewers collect the data with computer-assisted telephone interviews. Approximately 103,000 interviews were conducted in 2013. On the average, the non-response rate of this survey was 28 per cent.

The results from the sample are weighted to correspond to the entire population aged between 15 and 74. The effects of non-response on the results are corrected by using so called weight calibration, in which weighting is used to produce the correct population distributions by area, gender and age. Information from the job seeker register of the Ministry of Employment and the Economy is also used as supplementary data.

Like all figures collected with a sample survey, the figures of the Labour Force Survey are so called estimates. An **estimate** is an estimation of a quality of the population derived by applying a mathematical procedure (estimation) to sample observations. For example, the number of the unemployed published in a certain month is an estimate of the number of unemployed persons aged between 15 and 74 in Finland obtained by such a procedure.

Quarterly and annual estimates are averages of monthly estimates. Working days and hours worked are estimated basing on the number of calendar days in the month concerned. Quarterly and annual estimates of working days and hours worked are sums of monthly estimates.

The employment and unemployment figures of the Labour Force Survey vary relatively regularly in different months of the year. So-called trends are also published from the Labour Force Survey. Variation which occurs annually in similar ways has been removed from these trends. The direction of long-term developments and cyclical variations are easier to see from a trend than from unadjusted monthly data. Due to the method used, the last data of the trend become slightly revised when the data of the following month are inserted into the time series. This preliminary nature of trends should be taken into account when drawing conclusions. Starting from June 2007, the trend components of the time series have been calculated with the Tramo/Seats method recommended by Eurostat, the Statistical Office of the European Communities. Further information about the trend and limitations in its use can be found at: [http://tilastokeskus.fi/til/tramo\\_seats\\_en.html](http://tilastokeskus.fi/til/tramo_seats_en.html).

### **3. Correctness and accuracy of data**

The reliability of the figures of the Labour Force Survey is affected by non-response (see above), measurement errors and random variation due to sampling.

Measurement errors arise from, among other things, differences in interpreting or understanding of the questions, respondents' inability to recall or unwillingness to give certain information, or erroneous recording of answers. Development and testing of the questions, interviewer instructions and the user interface, and training of interviewers are measures used to contain measurement errors.

Random variation due to sampling means that figures calculated from different samples deviate somewhat from each other. When evaluating roughly the magnitude of random variation due to sampling in different situations, the main principle is that **1) the larger the sample is from which the figures are calculated and 2) the larger the population described by the figures is, the less uncertainty due to sampling there will be in the figures**. For instance, quarterly figures are more accurate than monthly figures in describing the same phenomenon, as quarterly data have been collected by interviewing three times the number of persons interviewed for monthly data. Annual figures are the most accurate. The latter principle means that the figures of the employed and the unemployed, that is the estimates, based on a sample of the same size are the more accurate the larger the subgroup they apply to. As the relevant subgroup becomes smaller, random variation due to sampling increases. Therefore e.g. the numbers of the unemployed in different age groups or in different areas are not as reliable as the number of all the unemployed.

Inaccuracy due to sampling is assessed with the **standard error** of the estimate. The magnitude of the standard error is influenced by the size of the sample and the variance of the variable being investigated. Standard error can be used to calculate the **confidence interval**, within which the value of the population lies with a certain probability. The **95 per cent confidence interval** used in the Labour Force Survey is **the interval within which the real value of the characteristic being investigated lies with 95 per cent probability**. For instance, if the estimate for the number of unemployed persons in a certain month is

230,000 and its standard error is 7,700, the 95 per cent confidence interval of the number of the unemployed is  $230,000 \pm 15,100$ , i.e. 214,900–245,100 persons. The share to be added to the estimate or deducted from it, in this case 15,100, is obtained by multiplying the estimate's standard error with the 1.96 coefficient of the 95 per cent confidence interval. This share describes the inaccuracy caused by random variation due to sampling and is called the **margin of error**.

*Examples of the accuracy of the number of the employed and the unemployed by size of subgroup*

To illustrate the magnitude of random variation, examples of the estimates of different numbers of the employed and the unemployed, their margins of error and other key figures of reliability are presented in the following tables 1-3. The magnitude of random variation in the examples is a rough estimate of the upper boundary of random variation, when the figure being investigated is **a correspondingly large estimate of the number of the employed or the unemployed by gender, age or region**. In correspondingly large subgroups by industry, the margin of error is wider. The examples in table 1 refer to monthly estimates. Tables 2-3 include the corresponding data for quarterly and annual estimates.

**Table 1. Examples of the accuracy of monthly estimates of different sizes: the numbers of the employed and the unemployed by gender, age and region.**<sup>1)</sup>

	Monthly estimate	Monthly estimate's margins of error (95% confidence interval)	Standard error	Relative standard error
	persons	persons	persons	%
<b>Employed</b>	2 400 000	± 27 800	14 200	0,6
	1 200 000	± 21 000	10 700	0,9
	600 000	± 15 300	7 800	1,3
	300 000	± 11 600	5 900	2,0
	100 000	± 6 700	3 400	3,4
	50 000	± 4 700	2 400	4,8
	10 000	± 2 900	1 500	15,0
<b>Unemployed</b>	230 000	± 15 100	7 700	3,3
	120 000	± 11 800	6 000	5,0
	90 000	± 10 800	5 500	6,1
	60 000	± 9 000	4 600	7,7
	30 000	± 6 900	3 500	11,7
	20 000	± 5 100	2 600	13,0
	10 000	± 3 700	1 900	19,0

1) The data can be used as indicative estimates of the accuracy of comparable numbers of the employed and unemployed by gender, age and region.

We can see from table 1 that if the monthly estimate of the employed in the subgroup is 300,000 persons, the real number of the employed lies, with a probability of 95 per cent, within the range  $300,000 \pm 11,600$  persons. The size of this confidence interval relative to the size of the estimate is clearly larger than the corresponding share in the large estimate on the first row of the table. For estimates of less than 300,000 persons the confidence intervals are relatively even wider.

A comparison of data in tables 1–3 illustrates also that annual and quarterly data are more accurate than monthly data. The 95 per cent confidence interval corresponding to the estimate of the employed in a subgroup of 300,000 persons examined above, that is  $300,000 \pm 6,700$  persons (table 2), is clearly narrower than the confidence interval of the monthly estimate. Annual estimates are even more accurate than quarterly estimates (table 3). This difference in accuracy is, however, not as large as the corresponding difference between monthly and quarterly data.

**Table 2. Examples of the accuracy of quarterly estimates of different sizes: the numbers of the employed and the unemployed by gender, age and region.**<sup>1)</sup>

	Quarterly estimate	Quarterly estimate's margins of error (95% confidence interval)	Standard error	Relative standard error
	persons	persons	persons	%
<b>Employed</b>	2 400 000	± 16 100	8 200	0,3
	1 200 000	± 12 500	6 400	0,5
	600 000	± 8 800	4 500	0,8
	300 000	± 6 700	3 400	1,1
	100 000	± 4 700	2 400	2,4
	50 000	± 3 900	2 000	4,0
	10 000	± 2 000	1 000	10,0
<b>Unemployed</b>	230 000	± 8 800	4 500	2,0
	120 000	± 6 900	3 500	2,9
	90 000	± 6 100	3 100	3,4
	60 000	± 5 100	2 600	4,3
	30 000	± 3 500	1 800	6,0
	20 000	± 3 100	1 600	8,0
	10 000	± 2 400	1 200	12,0

1) The data can be used as indicative estimates of the accuracy of comparable numbers of the employed and unemployed by gender, age and region.

**Table 3. Examples of the accuracy of annual estimates of different sizes: the numbers of the employed and the unemployed by gender, age and region.**<sup>1)</sup>

	Annual estimate	Annual estimate's margins of error (95% confidence interval)	Standard error	Relative standard error
	persons	persons	persons	%
<b>Employed</b>	2 400 000	± 15 700	8 000	0,3
	1 200 000	± 11 400	5 800	0,5
	600 000	± 7 800	4 000	0,7
	300 000	± 6 100	3 100	1,0
	100 000	± 3 300	1 700	1,7
	50 000	± 2 500	1 300	2,6
	10 000	± 800	400	4,0
<b>Unemployed</b>	230 000	± 7 100	3 600	1,6
	120 000	± 5 700	2 900	2,4
	90 000	± 4 500	2 300	2,6
	60 000	± 3 500	1 800	3,0
	30 000	± 2 400	1 200	4,0
	20 000	± 2 000	1 000	5,0
	10 000	± 1 600	800	8,0

1) The data can be used as indicative estimates of the accuracy of comparable numbers of the employed and unemployed by gender, age and region.

### *Statistical description of the reliability of estimation*

The estimation procedure of the Labour Force Survey is based on the calibration of weights in which the original sample weights calculated on the basis of the sample design are adjusted with a regression model to get the desired population distributions.

The accuracy of estimates is evaluated on the basis of their standard error. **Standard error** (the square root of the sample variance) describes how neatly the value of the parameter estimated from the observations is concentrated around the parameter of the population. The magnitude of the standard error is affected by sample design, the number of observations in the relevant population or subgroup, variation due to the distribution of the research variable as well as properties of the mathematical formula.

Key figures of reliability derived from the standard error are the confidence intervals and relative standard error. **Confidence interval** describes the width of the range in which the real value of the parameter is relative to the estimate calculated from the sample. When calculating the confidence interval, the desired level of risk is fixed. The 5 per cent risk level applied in the Labour Force Survey means that if the samples were drawn again, in 95 cases out of one hundred the real value of the parameter would be within the confidence interval and in 5 cases out of one hundred it would be outside the confidence interval.

**Relative standard error** (variation coefficient) is the percentage share of the standard error of the estimate. Proportioning the standard error to the estimate's size removes the effect of the scale of the variable. Hence the values of the relative standard error of different variables and the values of the standard error of the same variable in different subgroups are easy to compare with one another.

In the monthly and quarterly data of the Labour Force Survey, the estimator of the standard error is the variance estimator of the generalised regression estimator (GREG). The statistical accuracy of the annual estimates and its evaluation is also affected by the fact that the sample of the Labour Force Survey changes gradually during the year. In consecutive quarters 60 per cent of the respondents are the same. During one year 90 per cent of the interviewees have been interviewed at least twice. The responses given by the same persons in different interviews during the year correlate to one another if the person's labour market status does not change between interviews. To account for this co-dependence of responses, the Labour Force Survey uses an approximation of single stage cluster sampling in which a cluster internal variance is calculated for persons interviewed several times during the year. Clusters are formed on the basis of interviewee's age. Cluster internal variance is zero if the interviewee's labour market status does not change during the year between different interviews.

For example, the standard error calculated for annual estimate of the unemployed in a subgroup of 230,000 persons is 3,600 persons and the confidence interval is  $230,000 \pm 7,100$  persons. If the interviews on which the annual estimate is based had all been with different persons, the standard error of the estimate of the unemployed would have been 2,300 persons and the confidence interval  $230,000 \pm 4,500$  persons. Interviewing the same persons again in different quarters of the year explains why the difference in the accuracy of the annual and quarterly data of the Labour Force Survey is not as large as could be expected on the basis of the number of interviews conducted.

#### ***4. Timeliness and promptness of published data***

The results of the Labour Force Survey are released monthly, quarterly and annually. Quarterly and annual results are the averages of monthly results, i.e. they describe the situation on an "average" week during the survey period. Data on labour input are sums of the results of periods. The released data are final. Only seasonal adjustment slightly alters the latest seasonally adjusted monthly results. Monthly data are released approximately three weeks from the end of the survey month. Quarterly data are released simultaneously with the last monthly data of each quarter. Quarterly data are statistically more reliable than monthly data and contain more detailed data on, among other things, employment and labour input by industry and more specific regional data. The most detailed results are published in annual statistics. Quarterly deliveries of data are made to the Eurostat, the Statistical Office of the European Communities, which are used to compile statistics on EU Member States.

#### ***5. Accessibility and transparency/clarity of data***

The results of the Labour Force Survey are published in the Labour market series of Official Statistics of Finland. The key monthly, quarterly and annual results are released on predefined days on the Internet on the home page of the Labour Force Survey [http://tilastokeskus.fi/til/tyti/index\\_en](http://tilastokeskus.fi/til/tyti/index_en). The links on the home page lead to, among other things, a description of the statistics, concepts and definitions as well as the

free of charge tables from the statistical databases of the Labour Force Survey (StatFin). Data are also available over the Internet from Statistics Finland's chargeable time series database (ASTIKA). Eurostat publishes quarterly and annual Labour Force Survey data on its own website.

The annual publication of Labour Force Statistics contains a review of the past statistical reference year, definitions of key concepts, descriptions of the classifications used, time series and annual tables as well as this Quality description of Labour Force Survey. In addition, Labour Force Survey data are published regularly in the Statistical Yearbook of Finland and in the Bulletin of Statistics. Chargeable special compilations can be requested from the Labour Force Survey information service.

Labour Force Survey data are not released outside Statistics Finland in identifiable form (Statistics Act 280/2004, Personal Data Act 523/1999). Data can be released only on the basis of a separate application for licence to use statistical data and without identifiers for scientific research and statistical surveys. Data adjusted for the EU Labour Force Survey are delivered to Eurostat, the Statistical Office of the European Communities without identifiers. The Labour Force Survey data are protected according to the protection class defined in Statistics Finland's data protection guidelines. A register description can be found (in Finnish) at: [http://www.tilastokeskus.fi/meta/rekisteriselosteet/rekisteriseloste\\_tyovoimatutkimus.html](http://www.tilastokeskus.fi/meta/rekisteriselosteet/rekisteriseloste_tyovoimatutkimus.html).

Information service: [tyovoimatutkimus@stat.fi](mailto:tyovoimatutkimus@stat.fi) and tel. +358 29 551 1000.

## **6. Comparability of statistics**

A monthly Labour Force Survey, initially called Labour Force Inquiry, has been conducted since 1959. During this time the data content, data collection methods and methodology have been revised on several occasions. A comparable time series of the key data exists since 1989.

Initially, the inquiry with a somewhat limited data content was conducted as a postal survey. In 1976 the data content was expanded and the methodology modernised. During 1977–1993 the survey consisted of a monthly inquiry and supplementary annual interviews conducted over the telephone. The data collection of the monthly inquiry was changed in 1983 from a postal survey to telephone interviews, as a result of which non-response dropped from 30 to 4 per cent.

When Finland joined the European Union the Labour Force Survey was harmonised with the EU Labour Force Survey. At the beginning in 1995–1998, the data for the EU Labour Force Survey were collected as a separate interview survey in March-May. The monthly survey was gradually revised to correspond to the EU Labour Force Survey. The contents of the monthly survey were extended, computer-assisted telephone interviews (CATI) were introduced in the data collection and the concepts and definitions were harmonised to correspond better than before to the EU and ILO guidelines and recommendations. The definition of an unemployed person was revised in May 1998 and the published time series were retrospectively revised to correspond with the new definitions starting from 1989.

In April 1999 the Labour Force Survey's data content was widened again with the combining of the monthly survey and the EU Labour Force Survey into a single, continuous Labour Force Survey. As of the beginning of 2000 the survey changed over into a continuous survey week, whereas previously data for each month had been collected in one survey week. This changeover affected data on working days and hours worked, which are not fully comparable with earlier data starting from the beginning of the year 2000. Starting from 2003 the data content of the survey widened with the so-called household module which is collected from a subsample. A new data collection questionnaire was introduced in 2008. In consequence of this the data content of the survey became slightly revised and collection of some of the data was started from a subsample, whose data are only used as annual data.

## **7. Coherence and consistency/uniformity**

In addition to the Labour Force Survey Statistics Finland's statistics related to the labour market include the Job Vacancy Survey, the Quality of Work Life Survey, statistics on labour disputes, statistics on accidents at work as well as register-based employment statistics (RES).

Of these the RES provide data on the labour market activities of the population. The data in them differ from those of the Labour Force Survey due to the data collection method and the definitions of the employed

and the unemployed. The RES are based on total data derived from the administrative data of different authorities. The RES data on a person's activities mainly describe the last week of the year. RES data on unemployment are based on the Ministry of Employment and the Economy's register of unemployed job seekers. The statistics take good 18 months to complete; preliminary data are ready within about a year. Since the employment statistics represent total data, they offer better regional data (incl. data by municipality) as well as better data on small population groups, e.g. small industries and occupations, than the Labour Force Survey. The concepts of the employment statistics based on administrative registers are not internationally comparable.

Statistics Finland uses the Labour Force Survey data in the compiling of National Accounts. This is among the reasons why the definitions of the key concepts in the Labour Force Survey, such as population, employment and working hours, follow as closely as possible the recommendations for National Accounts (the UN System of National Accounts, SNA, and the European System of Accounts, ESA). The Labour Force Survey definition of the public sector is somewhat different from the classification of sectors in National Accounts. In National Accounts, conscripts are classified as employed according to ILO recommendations, whereas in the Labour Force Survey conscripts are outside the labour force.

The results from the Finnish Labour Force Survey published by Eurostat, the Statistical Office of the European Communities, differ from those published in Finland in that conscripts are not included in the statistics published by Eurostat. In most EU countries conscripts are not included in the target group of the Labour Force Survey, i.e. population living in private households. This causes differences especially in the results concerning the 15 to 24 age group. In the figures published by Finland persons performing their conscript duty are included in the population outside the labour force. In some cases differences can arise from the fact that Eurostat's figures include the whole population living in private household whereas in Finland the figures only include those between the ages of 15 and 74.

The Ministry of Employment and the Economy also publishes data on unemployed job seekers. The Ministry's data derive from register-based Employment Service Statistics, which describe the last working day of the month. The definition of unemployed applied in the Employment Service Statistics is based on legislation and administrative orders which make the statistical data internationally incomparable. In the Employment Service Statistics an unemployed person is not expected to seek work as actively as in the Labour Force Survey. There are also differences in the acceptance of students as unemployed. More detailed information about differences between the statistics is available:

[http://tilastokeskus.fi/til/tyti/tyti\\_2013-04-04\\_men\\_002\\_en.html](http://tilastokeskus.fi/til/tyti/tyti_2013-04-04_men_002_en.html).

---

Suomen virallinen tilasto  
Finlands officiella statistik  
Official Statistics of Finland

Labour Market 2015

### Inquiries

Kirsi Toivonen 029 551 3535

Pertti Taskinen 029 551 2690

Director in charge:

Riitta Harala

[tyovoimatutkimus@stat.fi](mailto:tyovoimatutkimus@stat.fi)

[www.stat.fi](http://www.stat.fi)

Source: Labour force survey 2014, December. Statistics Finland