

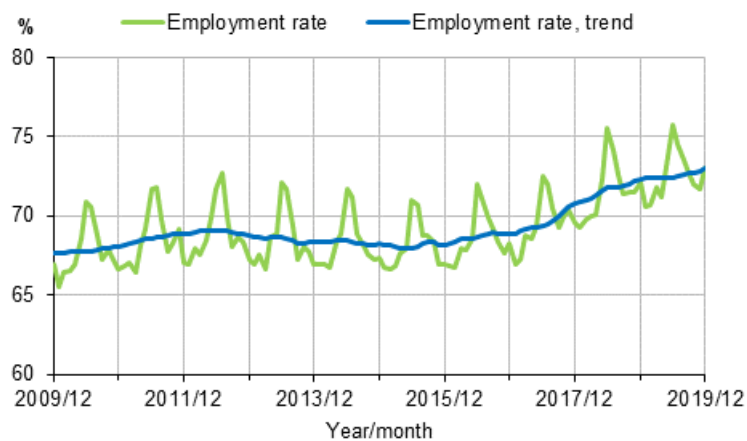
Labour Force Survey

2019, December, 4th quarter and annual data

Employment increased compared with one year ago

According to Statistics Finland’s Labour Force Survey, the number of employed people was 17,000 higher in December 2019 than one year ago. There were 18,000 more unemployed than in December 2018. The trend of the employment rate was 73.0 per cent and the trend of the unemployment rate was 6.7 per cent. The unemployment rate in the fourth quarter was 6.0 per cent, which was unchanged from October to December 2018. In 2019, the employment rate was 72.6 per cent, having been 71.7 per cent in 2018.

Employment rate and trend of employment rate 2009/12–2019/12, persons aged 15–64



Unemployment and employment vary quite considerably by month and the change from the observation of the previous month mainly describes the seasonal aspect rather than the trend in development. Thus, the latest statistical data are compared to the corresponding period of the year before. By contrast, the figures of the trend series that are adjusted for seasonal and random variation are mutually comparable and phenomena associated with long-term development and cyclical changes are thus more easily observable from the trend of the time series.

The trend usually changes somewhat when the data of the following month are included in the time series. This preliminary nature of trend figures should be considered when making conclusions. The figures

reported in this release are **not adjusted for seasonal variation** unless separately mentioned that they concern the trend. Find out more about the trend [here](#).

The **trend** of the employment rate was 73.0 per cent in December and the trend of the unemployment rate was 6.7 per cent. Based on seasonally adjusted data for December, the trend of the employment rate has risen a bit and the trend of the unemployment rate has remained unchanged in recent months.

In December 2019, the number of **employed persons** was 2,570,000 (margin of error $\pm 33,000$), which was 17,000 more than a year earlier. There were 11,000 fewer employed men and 28,000 more employed women than in December 2018.

In December, the **employment rate**, that is, the proportion of the employed among persons aged 15 to 64, stood at 73.0 per cent, having been 72.1 per cent one year earlier. From the previous year's December, the employment rate of men aged 15 to 64 fell by 0.4 percentage points to 73.4 per cent and that of women rose by 2.4 percentage points to 72.6 per cent.

According to Statistics Finland's Labour Force Survey, there were 164,000 **unemployed** in December 2019 (margin of error $\pm 18,000$), i.e. 18,000 more than one year earlier. The number of unemployed men was 87,000 and that of women 77,000.

The **unemployment rate** was 6.0 per cent in December, having been 5.4 per cent in the year before. The unemployment rate for men rose by 1.0 percentage points from the previous year's December to 6.1 per cent. Women's unemployment rate was 5.8 per cent and it remained almost unchanged compared with December 2018.

In December, there were a total of 611,000 **young people aged 15 to 24**. Of them, 251,000 were employed and 44,000 unemployed. The number of young people in the active population, i.e. the employed and unemployed, was 294,000. 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 14.8 per cent, which was 5.5 percentage points higher than one year previously. The trend of the unemployment rate among young people was 17.3 per cent. The share of unemployed young people aged 15 to 24 among the population in the same age group was 7.1 per cent.

There were 1,398,000 in the **inactive population** in December 2019, which was 31,000 fewer than one year earlier. Of the inactive population, 115,000 persons were in [disguised unemployment](#), which was 5,000 fewer than in December 2018.

Changes in employment 2018/12 – 2019/12 according to Statistics Finland’s Labour Force Survey, population aged 15 to 74

	Year/Month		Change
	2018/12	2019/12	2018/12 - 2019/12
	1000 persons		Per cent, %
Population total	4 127	4 132	0,1
Active population total	2 698	2 734	1,3
Employed	2 553	2 570	0,7
– employees	2 225	2 201	–1,1
– self-employed persons and unpaid family workers	328	369	12,5
Unemployed	146	164	12,5
Inactive population	1 429	1 398	–2,2
– Persons in disguised unemployment	120	115	–4,0
	Per cent, %		Percentage points
Employment rate, persons aged 15–64	72,1	73,0	1,0
Unemployment rate	5,4	6,0	0,6
Activity rate	65,4	66,2	0,8
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 2019

The average number of employed persons in the fourth quarter of 2019 (October to December) was 2,557,000, or 16,000 more than in the corresponding quarter of 2018. The number of employed persons increased most in human health and social work activities (Q) and in administrative and support service activities (N).

The number of hours actually worked by employed persons was 0.2 per cent lower in the fourth quarter of 2019 than twelve months previously.

The average number of **unemployed persons** in the fourth quarter of 2019 was 164,000, which was 3,000 more than in the October to December period of 2018. The **unemployment rate** in the fourth quarter of 2019 was 6.0 per cent, which was the same as in the respective period of 2018.

In the fourth quarter of 2019, the number of persons in the **inactive population** was 1,410,000, which was 15,000 fewer than a year earlier. Of the inactive population, 120,000 persons were in [disguised unemployment](#), which was 8,000 fewer than in the corresponding period of 2018.

Changes in employment 2018/IV – 2019/IV according to Statistics Finland’s Labour Force Survey, population aged 15 to 74

	Year/Quarter		Change
	2018/IV	2019/IV	2018/IV - 2019/IV
	1000 persons		Per cent (%)
Active population total	2 702	2 721	0,7
Employed persons total	2 541	2 557	0,6
Unemployed total	162	164	1,6
– men	89	92	3,2
– women	72	72	–0,3
Inactive population	1 424	1 410	–1,0
– Persons in disguised unemployment	128	120	–6,2

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

Labour Force Survey annual averages for 2019

In 2019, the average number of **employed persons** was 2,566,000, which was 26,000 more than in 2018. In 2019, the **employment rate** was 72.6 per cent, having been 71.7 per cent in 2018.

The **unemployment rate** was, on average, 6.7 per cent in 2019, having been 7.4 per cent in 2018. In 2019, the average number of **unemployed persons** was 184,000, which was 18,000 lower than in the year before.

The number of hours actually worked by employed persons was 0.2 per cent higher in 2019 than in 2018. The amount of labour input or annual hours actually worked per employed person fell slightly from 2018.

The annual averages from the Labour Force Survey for the year 2019 are published in the appendix tables of this publication and in the [database tables of Statistics Finland's Labour Force Survey](#). A general review on annual data concerning 2019 and on time series data for 2010 to 2019 will be released on 7 May 2020.

Employment Service Statistics of the Ministry of Economic Affairs and Employment

At the end of December 2019, there were altogether 258,000 persons registered in accordance with the Employment Office Regulations as unemployed job seekers at **the employment and economic development offices**. The number of unemployed job seekers was 1,000 higher than in December 2018.

Unemployment fell in December from the corresponding period in 2018 in the areas of six Employment and Economic Development Centres: most in South Savo (-6 %), Kainuu (-6%), Lapland (-5 %) and Häme (-4 %). The number of unemployed job seekers increased most in Pirkanmaa (7%), Satakunta (4%) and North Ostrobothnia (3%). At the end of November, the number of persons fully laid off registered at the employment and economic development offices was 22,000, which was 6,000 more than twelve months earlier.

The number of persons engaged in services included in the activation rate totalled 111,000 at the end of December, which was 6,000 lower than in December of the previous year. Altogether, 4.1 per cent of the labour force was covered by labour market policy services.

There were 33,000 unemployed job seekers aged under 25 registered at the employment and economic development offices. Their number was 1,000 lower than in December of the previous year. During last December, 55,000 new vacancies were reported to the employment and economic development offices, which was 9,000 more than in December 2018.

Changes 2018/12–2019/12 according to the Employment Service Statistics of the Ministry of Economic Affairs and Employment

	Year/Month		Change
	2018/12	2019/12	2018/12 - 2019/12
	1000 persons		Per cent, %
Unemployed job seekers	257	258	0,5
– unemployed over a year	67	63	–5,7
Services, total	116	111	–4,8
– employed	24	23	–4,6
– in labour market training, in training	20	21	2,9
– engaged in work/training trials	8	7	–19,9
– as a job alternation substitute, in rehabilitative work, self-motivated studies supported by unemployment benefit	64	61	–5,4
New vacancies at employment and economic development offices	46	55	20,7
Unrounded figures are used in the Change column.			

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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 employment statistics of Statistics Finland and the Ministry of Economic Affairs and Employment](#)

[Job vacancy survey](#)

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

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Appendix tables 2019, December

Appendix table 1. Key indicators in the Labour Force Survey by sex 2018/12 - 2019/12

		Year/Month		Change
		2018/12	2019/12	2018/12 - 2019/12
		Per cent, %	Per cent, %	Percentage points
Indicator	Sex			
Employment rate, persons aged 15-64	Both sexes	72,1	73,0	1,0
	Males	73,8	73,4	-0,4
	Females	70,3	72,6	2,4
Unemployment rate, persons aged 15-74	Both sexes	5,4	6,0	0,6
	Males	5,1	6,1	1,0
	Females	5,7	5,8	0,1
Activity rate, persons aged 15-74	Both sexes	65,4	66,2	0,8
	Males	67,8	67,9	0,1
	Females	62,9	64,4	1,5

Appendix table 2. Population aged 15-74 by labour force status and sex 2018/12 - 2019/12

		Year/Month		Change	Change
		2018/12	2019/12	2018/12 - 2019/12	2018/12 - 2019/12
		1000 persons	1000 persons	1000 persons	Per cent, %
Sex	Labour force status				
Both sexes	Population total	4 127	4 132	4	0,1
	Active population total	2 698	2 734	35	1,3
	- employed	2 553	2 570	17	0,7
	- unemployed	146	164	18	12,5
	Inactive population	1 429	1 398	-31	-2,2
Males	Population total	2 074	2 078	3	0,2
	Active population total	1 407	1 411	4	0,3
	- employed	1 335	1 324	-11	-0,8
	- unemployed	72	87	15	20,4
	Inactive population	667	667	0	-0,1
Females	Population total	2 053	2 054	1	0,1
	Active population total	1 291	1 323	32	2,5
	- employed	1 217	1 246	28	2,3
	- unemployed	74	77	3	4,7
	Inactive population	762	731	-31	-4,0

Appendix table 3. Population by sex and age 2018/12 - 2019/12

		Year/Month		Change	Change
		2018/12	2019/12	2018/12 - 2019/12	2018/12 - 2019/12
		1000 persons	1000 persons	1000 persons	Per cent, %
Sex	Age group				
Both sexes	15-74	4 127	4 132	4	0,1
	15-64	3 435	3 426	-9	-0,3
	15-24	617	611	-6	-1,0
	25-34	707	707	0	0,0
	35-44	698	708	9	1,3
	45-54	682	671	-11	-1,6
	55-64	731	729	-2	-0,3
	65-74	692	706	14	2,0
Males	15-74	2 074	2 078	3	0,2
	15-64	1 745	1 742	-3	-0,2
	15-24	317	315	-3	-0,8
	25-34	363	363	1	0,2
	35-44	357	363	6	1,7
	45-54	345	339	-5	-1,6
	55-64	363	361	-1	-0,4
	65-74	329	335	6	1,9
Females	15-74	2 053	2 054	1	0,1
	15-64	1 690	1 683	-6	-0,4
	15-24	300	296	-3	-1,1
	25-34	344	343	0	-0,1
	35-44	341	344	3	1,0
	45-54	337	332	-6	-1,6
	55-64	368	367	-1	-0,2
	65-74	363	371	7	2,1

Appendix table 4. Active population by sex and age 2018/12 - 2019/12

		Year/Month		Change	
		2018/12	2019/12	2018/12 - 2019/12	2018/12 - 2019/12
		1000 persons	1000 persons	1000 persons	Per cent, %
Sex	Age group				
Both sexes	15-74	2 698	2 734	35	1,3
	15-64	2 620	2 662	43	1,6
	15-24	271	294	23	8,5
	25-34	588	594	6	1,0
	35-44	630	631	1	0,1
	45-54	612	618	6	0,9
	55-64	518	526	8	1,5
	65-74	79	71	-7	-9,4
Males	15-74	1 407	1 411	4	0,3
	15-64	1 359	1 364	5	0,3
	15-24	132	140	8	6,0
	25-34	325	320	-5	-1,6
	35-44	337	338	1	0,4
	45-54	308	310	1	0,4
	55-64	257	257	-1	-0,2
	65-74	48	47	-1	-2,2
Females	15-74	1 291	1 323	32	2,5
	15-64	1 260	1 299	38	3,0
	15-24	140	155	15	10,9
	25-34	263	274	11	4,2
	35-44	293	293	-1	-0,2
	45-54	303	308	4	1,4
	55-64	261	269	8	3,2
	65-74	31	24	-6	-20,7

Appendix table 5. Activity rates by sex and age 2018/12 - 2019/12

		Year/Month		Change
		2018/12	2019/12	2018/12 - 2019/12
		Per cent, %	Per cent, %	Percentage points
Sex	Age group			
Both sexes	15-74	65,4	66,2	0,8
	15-64	76,3	77,7	1,5
	15-24	44,0	48,2	4,2
	25-34	83,2	84,0	0,8
	35-44	90,2	89,1	-1,1
	45-54	89,7	92,0	2,3
	55-64	70,9	72,2	1,3
	65-74	11,4	10,1	-1,3
Males	15-74	67,8	67,9	0,1
	15-64	77,9	78,3	0,4
	15-24	41,5	44,3	2,8
	25-34	89,5	88,0	-1,5
	35-44	94,3	93,1	-1,2
	45-54	89,5	91,3	1,8
	55-64	70,9	71,0	0,1
	65-74	14,6	14,0	-0,6
Females	15-74	62,9	64,4	1,5
	15-64	74,6	77,1	2,6
	15-24	46,6	52,3	5,7
	25-34	76,5	79,8	3,3
	35-44	86,0	84,9	-1,0
	45-54	89,9	92,7	2,8
	55-64	70,9	73,3	2,4
	65-74	8,4	6,6	-1,9

Appendix table 6. Employed persons by sex and age 2018/12 - 2019/12

		Year/Month		Change	
		2018/12	2019/12	2018/12 - 2019/12	2018/12 - 2019/12
		1000 persons	1000 persons	1000 persons	Per cent, %
Sex	Age group				
Both sexes	15-74	2 553	2 570	17	0,7
	15-64	2 475	2 502	27	1,1
	15-24	246	251	5	1,9
	25-34	556	555	-1	-0,2
	35-44	605	610	5	0,8
	45-54	581	592	11	1,9
	55-64	487	495	7	1,4
	65-74	78	68	-10	-12,8
Males	15-74	1 335	1 324	-11	-0,8
	15-64	1 288	1 279	-8	-0,7
	15-24	120	117	-3	-2,9
	25-34	311	301	-10	-3,2
	35-44	323	331	8	2,4
	45-54	294	293	0	-0,1
	55-64	240	238	-2	-1,0
	65-74	48	45	-3	-5,4
Females	15-74	1 217	1 246	28	2,3
	15-64	1 187	1 223	36	3,0
	15-24	126	134	8	6,6
	25-34	245	254	9	3,7
	35-44	282	280	-3	-1,0
	45-54	287	298	12	4,1
	55-64	247	257	9	3,8
	65-74	30	23	-7	-24,3

Appendix table 7. Employment rates by sex and age 2018/12 - 2019/12

		Year/Month		Change
		2018/12	2019/12	2018/12 - 2019/12
		Per cent, %	Per cent, %	Percentage points
Sex	Age group			
Both sexes	15-74	61,9	62,2	0,4
	15-64	72,1	73,0	1,0
	15-24	39,9	41,1	1,2
	25-34	78,6	78,5	-0,2
	35-44	86,6	86,2	-0,4
	45-54	85,1	88,2	3,1
	55-64	66,7	67,9	1,2
	65-74	11,3	9,6	-1,6
Males	15-74	64,4	63,7	-0,6
	15-64	73,8	73,4	-0,4
	15-24	37,9	37,1	-0,8
	25-34	85,7	82,8	-2,9
	35-44	90,3	91,0	0,7
	45-54	85,2	86,5	1,2
	55-64	66,2	65,8	-0,4
	65-74	14,5	13,4	-1,0
Females	15-74	59,3	60,7	1,3
	15-64	70,3	72,6	2,4
	15-24	42,0	45,3	3,3
	25-34	71,2	73,9	2,7
	35-44	82,8	81,2	-1,6
	45-54	85,0	89,9	4,9
	55-64	67,2	69,9	2,7
	65-74	8,3	6,2	-2,2

Appendix table 8. Employed persons aged 15-74 by status in employment 2018/12 - 2019/12

	Year/Month		Change	Change
	2018/12	2019/12	2018/12 - 2019/12	2018/12 - 2019/12
	1000 persons	1000 persons	1000 persons	Per cent, %
Status in employment				
Employed persons total	2 553	2 570	17	0,7
Employees total	2 225	2 201	-24	-1,1
Self-employed persons and unpaid family workers	328	369	41	12,5

Appendix table 9. Employed persons aged 15-74 by employer sector 2018/12 - 2019/12

	Year/Month		Change	
	2018/12	2019/12	2018/12 - 2019/12	2018/12 - 2019/12
	1000 persons	1000 persons	1000 persons	Per cent, %
Employer sector				
Employer sector total (incl. employer sector unknown)	2 553	2 570	17	0,7
Private sector	1 858	1 877	20	1,1
Public sector	692	688	-4	-0,6
- central government	138	144	5	3,8
- local government	553	544	-9	-1,7

Appendix table 10. Employed persons aged 15-74 by Regional State Administrative Agencies (AVI) 2018/12 - 2019/12

	Year/Month		Change	
	2018/12	2019/12	2018/12 - 2019/12	2018/12 - 2019/12
	1000 persons	1000 persons	1000 persons	Per cent, %
Regional State Administrative Agencies				
Whole country (incl. Åland)	2 553	2 570	17	0,7
Southern Finland AVI	1 139	1 135	-5	-0,4
Southwestern Finland AVI	322	322	0	0,1
Eastern Finland AVI	230	226	-5	-2,0
Western and Inland Finland AVI	556	576	20	3,5
Northern Finland AVI	215	218	2	1,1
Lapland AVI	75	79	4	5,5

Appendix table 11. Part-time employed persons aged 15-74 by sex 2018/12 - 2019/12

	Year/Month		Change	
	2018/12	2019/12	2018/12 - 2019/12	2018/12 - 2019/12
	1000 persons	1000 persons	1000 persons	Per cent, %
Sex				
Both sexes	450	454	3	0,7
Males	170	156	-15	-8,5
Females	280	298	18	6,3

Appendix table 12. Proportion of part-time employed persons in all employed persons aged 15-74 by sex 2018/12 - 2019/12, %

	Year/Month		Change
	2018/12	2019/12	2018/12 - 2019/12
	Per cent, %	Per cent, %	Percentage points
Sex			
Both sexes	17,6	17,6	0,0
Males	12,7	11,7	-1,0
Females	23,0	23,9	0,9

Appendix table 13. Employees aged 15-74 by type of employment relationship 2018/12 - 2019/12

	Year/Month		Change	
	2018/12	2019/12	2018/12 - 2019/12	2018/12 - 2019/12
	1000 persons	1000 persons	1000 persons	Per cent, %
Employment relationship				
Employees total	2 225	2 201	-24	-1,1
- permanent full-time work	1 638	1 637	-2	-0,1
- permanent part-time work	243	252	9	3,8
- temporary (fixed-term) full-time work	213	193	-20	-9,3
- temporary (fixed-term) part-time work	130	119	-11	-8,6
Temporary (fixed-term) work total	343	312	-31	-9,0
Part-time work total	374	371	-2	-0,5

Appendix table 14. Employees aged 15-74 by type of employment relationship 2018/12 - 2019/12, %

	Year/Month		Change
	2018/12	2019/12	2018/12 - 2019/12
	Per cent, %	Per cent, %	Percentage points
Employees total	100,0	100,0	0,0
- permanent full-time work	73,6	74,3	0,7
- permanent part-time work	10,9	11,5	0,5
- temporary (fixed-term) full-time work	9,6	8,8	-0,8
- temporary (fixed-term) part-time work	5,9	5,4	-0,4
Temporary (fixed-term) work total	15,4	14,2	-1,2
Part-time work total	16,8	16,9	0,1

Appendix table 15. Unemployed persons by sex and age 2018/12 - 2019/12

		Year/Month		Change	
		2018/12	2019/12	2018/12 - 2019/12	2018/12 - 2019/12
		1000 persons	1000 persons	1000 persons	Per cent, %
Sex	Age group				
Both sexes	15-74	146	164	18	12,5
	15-64	145	160	16	10,8
	15-24	25	44	18	72,4
	25-34	32	39	7	21,4
	35-44	25	21	-5	-18,0
	45-54	31	26	-6	-18,1
	55-64	31	31	1	2,0
Males	15-74	72	87	15	20,4
	15-64	71	85	13	18,5
	15-24	12	23	11	98,3
	25-34	14	19	5	36,1
	35-44	14	8	-7	-46,5
	45-54	15	16	2	11,4
	55-64	17	19	2	10,6
Females	15-74	74	77	3	4,7
	15-64	73	76	2	3,3
	15-24	14	21	7	50,5
	25-34	18	20	2	10,4
	35-44	11	13	2	19,4
	45-54	17	9	-7	-43,8
	55-64	14	12	-1	-8,8

Appendix table 16. Unemployment rates by sex and age 2018/12 - 2019/12

		Year/Month		Change
		2018/12	2019/12	2018/12 - 2019/12
		Per cent, %	Per cent, %	Percentage points
Sex	Age group			
Both sexes	15-74	5,4	6,0	0,6
	15-64	5,5	6,0	0,5
	15-24	9,3	14,8	5,5
	25-34	5,5	6,6	1,1
	35-44	4,0	3,3	-0,7
	45-54	5,1	4,2	-1,0
	55-64	5,9	5,9	0,0
Males	15-74	5,1	6,1	1,0
	15-64	5,3	6,2	0,9
	15-24	8,8	16,4	7,6
	25-34	4,3	5,9	1,6
	35-44	4,2	2,3	-2,0
	45-54	4,7	5,3	0,5
	55-64	6,7	7,4	0,7
Females	15-74	5,7	5,8	0,1
	15-64	5,8	5,8	0,0
	15-24	9,8	13,3	3,5
	25-34	7,0	7,4	0,4
	35-44	3,7	4,4	0,7
	45-54	5,5	3,1	-2,5
	55-64	5,2	4,6	-0,6

Appendix table 17. Unemployment rates by Regional State Administrative Agencies (AVI) 2018/12 - 2019/12, persons aged 15-74

	Year/Month		Change
	2018/12	2019/12	2018/12 - 2019/12
	Per cent, %	Per cent, %	Percentage points
Regional State Administrative Agencies			
Whole country (incl. Åland)	5,4	6,0	0,6
Southern Finland AVI	5,7	6,5	0,8
Southwestern Finland AVI	5,0	4,9	-0,1
Eastern Finland AVI	4,8	7,4	2,7
Western and Inland Finland AVI	5,6	4,8	-0,8
Northern Finland AVI	5,0	6,8	1,8
Lapland AVI	.	.	.

Appendix table 18. Seasonally adjusted trends 2019/12

	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, %
2017/12	2 509	70,7	229	278	8,3	18,3
2018/01	2 513	70,9	227	274	8,2	18,1
2018/02	2 517	71,0	222	270	8,0	17,9
2018/03	2 521	71,1	216	267	7,8	17,7
2018/04	2 527	71,3	210	264	7,6	17,4
2018/05	2 537	71,6	204	261	7,5	17,1
2018/06	2 544	71,8	200	257	7,3	16,9
2018/07	2 546	71,8	199	254	7,3	16,9
2018/08	2 545	71,8	197	251	7,2	17,0
2018/09	2 546	71,9	193	247	7,1	16,9
2018/10	2 550	72,0	189	245	7,0	16,7
2018/11	2 556	72,2	185	242	6,8	16,5
2018/12	2 560	72,3	182	240	6,7	16,2
2019/01	2 562	72,4	182	240	6,6	16,2
2019/02	2 562	72,4	183	240	6,6	16,3
2019/03	2 562	72,4	184	240	6,6	16,4
2019/04	2 561	72,4	185	239	6,7	16,6
2019/05	2 561	72,4	184	239	6,7	16,7
2019/06	2 560	72,4	183	239	6,7	16,8
2019/07	2 562	72,5	184	239	6,7	17,0
2019/08	2 566	72,6	184	240	6,7	17,2
2019/09	2 571	72,7	184	240	6,7	17,3
2019/10	2 573	72,7	183	240	6,7	17,3
2019/11	2 576	72,9	183	241	6,7	17,3
2019/12	2 579	73,0	182	241	6,7	17,3

Appendix tables 2019, 4th quarter

Appendix table 19. Key indicators in the Labour Force Survey by sex 2018/IV - 2019/IV

		Year/Quarter		Change
		2018/IV	2019/IV	2018/IV - 2019/IV
		Per cent, %	Per cent, %	Percentage points
Indicator	Sex			
Employment rate, persons aged 15-64	Both sexes	71,7	72,3	0,6
	Males	72,8	72,8	0,0
	Females	70,6	71,7	1,1
Unemployment rate, persons aged 15-74	Both sexes	6,0	6,0	0,1
	Males	6,4	6,5	0,2
	Females	5,6	5,5	-0,1
Activity rate, persons aged 15-74	Both sexes	65,5	65,9	0,4
	Males	67,8	67,9	0,1
	Females	63,1	63,8	0,7

Appendix table 20. Population aged 15-74 by labour force status and sex 2018/IV - 2019/IV

		Year/Quarter		Change	Change
		2018/IV	2019/IV	2018/IV - 2019/IV	2018/IV - 2019/IV
		1000 persons	1000 persons	1000 persons	Per cent, %
Sex	Labour force status				
Both sexes	Population total	4 127	4 131	4	0,1
	Active population total	2 702	2 721	19	0,7
	- employed	2 541	2 557	16	0,6
	- unemployed	162	164	3	1,6
	Inactive population	1 424	1 410	-15	-1,0
Males	Population total	2 074	2 077	3	0,1
	Active population total	1 406	1 411	5	0,3
	- employed	1 317	1 319	2	0,1
	- unemployed	89	92	3	3,2
	Inactive population	668	666	-1	-0,2
Females	Population total	2 053	2 054	1	0,0
	Active population total	1 296	1 310	14	1,1
	- employed	1 224	1 238	14	1,2
	- unemployed	72	72	-0	-0,3
	Inactive population	757	744	-13	-1,7

Appendix table 21. Population by sex and age 2018/IV - 2019/IV

		Year/Quarter		Change	
		2018/IV	2019/IV	2018/IV - 2019/IV	2018/IV - 2019/IV
		1000 persons	1000 persons	1000 persons	Per cent, %
Sex	Age group				
Both sexes	15-74	4 127	4 131	4	0,1
	15-64	3 435	3 425	-10	-0,3
	15-24	617	611	-6	-1,0
	25-34	707	707	-0	0,0
	35-44	697	707	10	1,4
	45-54	683	672	-11	-1,7
	55-64	731	729	-2	-0,3
	65-74	691	705	14	2,0
Males	15-74	2 074	2 077	3	0,1
	15-64	1 745	1 743	-2	-0,1
	15-24	317	315	-2	-0,6
	25-34	363	364	0	0,1
	35-44	357	363	6	1,6
	45-54	346	340	-6	-1,6
	55-64	361	361	-1	-0,2
	65-74	329	334	5	1,7
Females	15-74	2 053	2 054	1	0,0
	15-64	1 690	1 683	-7	-0,4
	15-24	300	296	-4	-1,4
	25-34	343	343	-0	-0,1
	35-44	340	344	4	1,2
	45-54	338	332	-6	-1,7
	55-64	369	368	-1	-0,3
	65-74	362	371	8	2,3

Appendix table 22. Active population by sex and age 2018/IV - 2019/IV

		Year/Quarter		Change	
		2018/IV	2019/IV	2018/IV - 2019/IV	2018/IV - 2019/IV
		1000 persons	1000 persons	1000 persons	Per cent, %
Sex	Age group				
Both sexes	15-74	2 702	2 721	19	0,7
	15-64	2 623	2 637	14	0,5
	15-24	272	280	8	2,8
	25-34	587	589	2	0,3
	35-44	629	633	5	0,7
	45-54	622	610	-12	-2,0
	55-64	513	526	12	2,4
	65-74	79	83	4	5,7
Males	15-74	1 406	1 411	5	0,3
	15-64	1 358	1 360	2	0,1
	15-24	133	139	5	4,0
	25-34	323	322	-2	-0,5
	35-44	334	336	2	0,6
	45-54	314	306	-8	-2,6
	55-64	253	258	5	1,8
	65-74	48	51	3	5,8
Females	15-74	1 296	1 310	14	1,1
	15-64	1 265	1 277	12	1,0
	15-24	139	141	2	1,7
	25-34	263	267	4	1,4
	35-44	295	297	3	0,9
	45-54	308	304	-4	-1,3
	55-64	260	268	8	3,0
	65-74	31	33	2	5,5

Appendix table 23. Activity rates by sex and age 2018/IV - 2019/IV

		Year/Quarter		Change
		2018/IV	2019/IV	2018/IV - 2019/IV
		Per cent, %	Per cent, %	Percentage points
Sex	Age group			
Both sexes	15-74	65,5	65,9	0,4
	15-64	76,4	77,0	0,6
	15-24	44,1	45,7	1,7
	25-34	83,0	83,3	0,3
	35-44	90,2	89,6	-0,6
	45-54	91,0	90,8	-0,3
	55-64	70,3	72,2	1,9
	65-74	11,4	11,8	0,4
Males	15-74	67,8	67,9	0,1
	15-64	77,8	78,0	0,2
	15-24	42,1	44,0	1,9
	25-34	89,0	88,4	-0,6
	35-44	93,4	92,5	-0,9
	45-54	90,9	90,0	-0,9
	55-64	70,0	71,4	1,4
	65-74	14,6	15,2	0,6
Females	15-74	63,1	63,8	0,7
	15-64	74,8	75,9	1,1
	15-24	46,1	47,5	1,4
	25-34	76,7	77,9	1,1
	35-44	86,8	86,5	-0,3
	45-54	91,1	91,5	0,4
	55-64	70,5	72,9	2,4
	65-74	8,6	8,8	0,3

Appendix table 24. Employed persons by sex and age 2018/IV - 2019/IV

		Year/Quarter		Change	
		2018/IV	2019/IV	2018/IV - 2019/IV	2018/IV - 2019/IV
		1000 persons	1000 persons	1000 persons	Per cent, %
Sex	Age group				
Both sexes	15-74	2 541	2 557	16	0,6
	15-64	2 463	2 475	12	0,5
	15-24	239	241	2	0,8
	25-34	550	550	-0	0,0
	35-44	599	610	11	1,8
	45-54	594	584	-9	-1,6
	55-64	482	490	9	1,8
	65-74	77	82	4	5,5
Males	15-74	1 317	1 319	2	0,1
	15-64	1 270	1 269	-1	-0,1
	15-24	115	118	3	2,5
	25-34	303	299	-4	-1,3
	35-44	318	324	6	2,0
	45-54	300	291	-9	-3,0
	55-64	234	237	3	1,2
	65-74	47	50	3	5,7
Females	15-74	1 224	1 238	14	1,2
	15-64	1 193	1 206	13	1,1
	15-24	124	123	-1	-0,8
	25-34	247	250	4	1,5
	35-44	282	286	5	1,6
	45-54	294	293	-0	-0,1
	55-64	247	253	6	2,4
	65-74	30	32	2	5,1

Appendix table 25. Employment rates by sex and age 2018/IV - 2019/IV

		Year/Quarter		Change
		2018/IV	2019/IV	2018/IV - 2019/IV
		Per cent, %	Per cent, %	Percentage points
Sex	Age group			
Both sexes	15-74	61,6	61,9	0,3
	15-64	71,7	72,3	0,6
	15-24	38,7	39,4	0,7
	25-34	77,8	77,8	0,0
	35-44	86,0	86,3	0,4
	45-54	86,8	86,9	0,1
	55-64	65,9	67,3	1,4
	65-74	11,2	11,6	0,4
Males	15-74	63,5	63,5	0,0
	15-64	72,8	72,8	0,0
	15-24	36,2	37,4	1,1
	25-34	83,4	82,2	-1,2
	35-44	88,9	89,2	0,3
	45-54	86,7	85,5	-1,2
	55-64	64,8	65,7	0,9
	65-74	14,3	14,9	0,6
Females	15-74	59,6	60,3	0,7
	15-64	70,6	71,7	1,1
	15-24	41,3	41,6	0,3
	25-34	71,9	73,0	1,2
	35-44	82,9	83,3	0,4
	45-54	87,0	88,4	1,4
	55-64	67,0	68,8	1,8
	65-74	8,4	8,6	0,2

Appendix table 26. Employed persons aged 15-74 by status in employment 2018/IV - 2019/IV

	Year/Quarter		Change	Change
	2018/IV	2019/IV	2018/IV - 2019/IV	2018/IV - 2019/IV
	1000 persons	1000 persons	1000 persons	Per cent, %
Status in employment				
Employed persons total	2 541	2 557	16	0,6
Employees total	2 205	2 204	-1	0,0
Self-employed persons and unpaid family workers	336	352	17	4,9

Appendix table 27. Employed persons aged 15-74 by employer sector 2018/IV - 2019/IV

	Year/Quarter		Change	
	2018/IV	2019/IV	2018/IV - 2019/IV	2018/IV - 2019/IV
	1000 persons	1000 persons	1000 persons	Per cent, %
Employer sector				
Employer sector total (incl. employer sector unknown)	2 541	2 557	16	0,6
Private sector	1 858	1 879	21	1,1
Public sector	678	672	-6	-0,9
- central government	137	141	4	3,0
- local government	541	531	-10	-1,9

Appendix table 28. Employed persons aged 15-74 by industry (TOL 2008) 2018/IV - 2019/IV

		Year/Quarter		Change	Change
		2018/IV	2019/IV	2018/IV - 2019/IV	2018/IV - 2019/IV
		1000 persons	1000 persons	1000 persons	Per cent, %
Industry	TOL 2008				
Industries total	00-99	2 541	2 557	16	0,6
A, B Agriculture, forestry and fishing; mining and quarrying	01-09	98	104	6	5,9
Agriculture	01	68	67	-0	-0,5
C Manufacturing	10-33	336	323	-13	-4,0
Manufacture of food products, beverages and textiles	10-15	47	40	-7	-14,5
Manufacture of wood products, paper and paper products; printing and reproduction of recorded media	16-18	50	48	-1	-2,7
Manufacture of chemicals and chemical products and basic pharmaceutical products	19-23	46	45	-1	-1,2
Manufacture of basic metals and of fabricated metal products, except machinery and equipment	24-25	56	53	-4	-6,4
Manufacture of electronic and optical products, electrical equipment, machinery and vehicles	26-30	103	103	-0	0,0
Manufacture of furniture, other manufacturing; repair and installation of machinery and equipment	31-33	34	33	-1	-3,1
D, E Electricity, gas, steam and air conditioning and water supply; sewerage and waste management	35-39	24	25	0	1,1
F Construction	41-43	199	184	-15	-7,4
Construction of buildings	41	73	68	-5	-6,6
Specialised construction activities	43	106	97	-9	-8,5
G Wholesale and retail trade; repair of motor vehicles and motorcycles	45-47	285	281	-4	-1,3
Wholesale and retail trade and repair of motor vehicles and motorcycles	45	47	44	-4	-8,0
Wholesale trade, except of motor vehicles and motorcycles	46	90	97	6	6,9
Retail trade, except of motor vehicles and motorcycles	47	148	141	-6	-4,3
H Transportation and storage	49-53	143	142	-1	-0,7
Land, water and air transport	49-51	91	84	-8	-8,5
Warehousing and support activities for transportation; postal and courier activities	52-53	52	58	7	13,0
I Accommodation and food service activities	55-56	87	96	9	10,8
J Information and communication	58-63	118	126	8	6,9
K, L Financial, insurance and real estate activities	64-68	75	81	5	7,1
M Professional, scientific and technical activities	69-75	185	180	-5	-2,6
Architectural and engineering activities; technical testing and analysis	71	75	68	-7	-9,2
N Administrative and support service activities	77-82	109	121	11	10,2
Services to buildings and landscape activities	81	63	71	8	12,7
O Public administration and defence; compulsory social security	84	114	110	-4	-3,2
P Education	85	189	187	-2	-1,0
Q Human health and social work activities	86-88	416	431	15	3,7
Human health activities	86	186	188	2	1,0

		Year/Quarter		Change	Change
		2018/IV	2019/IV	2018/IV - 2019/IV	2018/IV - 2019/IV
		1000 persons	1000 persons	1000 persons	Per cent, %
Residential care activities	87	94	100	6	6,7
Social work activities without accommodation	88	136	143	7	5,3
R Arts, entertainment and recreation	90-93	68	69	1	1,2
S-U Other service activities	94-99	87	88	2	1,8
X Industry unknown	00	7	9	.	.

Appendix table 29. Hours actually worked of employed persons aged 15-74 by industry (TOL 2008) 2018/IV - 2019/IV

	TOL 2008	Year/Quarter		Change	Change
		2018/IV	2019/IV	2018/IV - 2019/IV	2018/IV - 2019/IV
		Million hours	Million hours	Million hours	Per cent, %
Industry	TOL 2008				
Industries total	00-99	1062,8	1060,3	-2,5	-0,2
A, B Agriculture, forestry and fishing; mining and quarrying	01-09	45,3	47,9	2,5	5,6
Agriculture	01	32,7	32,8	0,1	0,3
C Manufacturing	10-33	148,3	141,6	-6,7	-4,5
Manufacture of food products, beverages and textiles	10-15	20,2	16,4	-3,8	-18,8
Manufacture of wood products, paper and paper products; printing and reproduction of recorded media	16-18	21,8	21,5	-0,3	-1,2
Manufacture of chemicals and chemical products and basic pharmaceutical products	19-23	19,3	20,1	0,7	3,8
Manufacture of basic metals and of fabricated metal products, except machinery and equipment	24-25	25,2	22,5	-2,8	-10,9
Manufacture of electronic and optical products, electrical equipment, machinery and vehicles	26-30	47,5	46,1	-1,3	-2,8
Manufacture of furniture, other manufacturing; repair and installation of machinery and equipment	31-33	14,3	15,0	0,7	5,1
D, E Electricity, gas, steam and air conditioning and water supply; sewerage and waste management	35-39	10,8	11,4	0,5	5,0
F Construction	41-43	92,3	84,4	-7,9	-8,5
Construction of buildings	41	33,3	31,1	-2,2	-6,7
Specialised construction activities	43	50,2	44,7	-5,5	-10,9
G Wholesale and retail trade; repair of motor vehicles and motorcycles	45-47	119,9	118,0	-1,9	-1,6
Wholesale and retail trade and repair of motor vehicles and motorcycles	45	22,1	20,2	-1,9	-8,6
Wholesale trade, except of motor vehicles and motorcycles	46	42,1	43,9	1,8	4,4
Retail trade, except of motor vehicles and motorcycles	47	55,7	53,9	-1,9	-3,3
H Transportation and storage	49-53	63,6	63,4	-0,2	-0,4
Land, water and air transport	49-51	43,0	40,0	-3,0	-7,0
Warehousing and support activities for transportation; postal and courier activities	52-53	20,6	23,4	2,7	13,3
I Accommodation and food service activities	55-56	34,9	36,1	1,2	3,5
J Information and communication	58-63	52,4	55,3	2,8	5,4
K, L Financial, insurance and real estate activities	64-68	32,7	34,4	1,6	5,0
M Professional, scientific and technical activities	69-75	76,2	74,0	-2,2	-2,9
Architectural and engineering activities; technical testing and analysis	71	31,7	27,9	-3,8	-12,0
N Administrative and support service activities	77-82	45,4	50,2	4,8	10,5
Services to buildings and landscape activities	81	24,9	29,2	4,3	17,2
O Public administration and defence; compulsory social security	84	47,1	46,1	-1,0	-2,1
P Education	85	69,6	71,3	1,7	2,4
Q Human health and social work activities	86-88	165,2	168,1	2,9	1,8

		Year/Quarter		Change	Change
		2018/IV	2019/IV	2018/IV - 2019/IV	2018/IV - 2019/IV
		Million hours	Million hours	Million hours	Per cent, %
Human health activities	86	73,7	74,2	0,5	0,7
Residential care activities	87	39,6	39,5	-0,1	-0,2
Social work activities without accommodation	88	51,9	54,4	2,5	4,8
R Arts, entertainment and recreation	90-93	23,3	23,0	-0,3	-1,2
S-U Other service activities	94-99	32,4	31,9	-0,4	-1,3
X Industry unknown	00	3,4	3,4	.	.

Appendix table 30. Employed persons aged 15-74 by Regional State Administrative Agencies (AVI) 2018/IV - 2019/IV

	Year/Quarter		Change	Change
	2018/IV	2019/IV	2018/IV - 2019/IV	2018/IV - 2019/IV
	1000 persons	1000 persons	1000 persons	Per cent, %
Regional State Administrative Agencies				
Whole country (incl. Åland)	2 541	2 557	16	0,6
Southern Finland AVI	1 133	1 147	14	1,3
Southwestern Finland AVI	323	318	-5	-1,4
Eastern Finland AVI	234	227	-7	-3,0
Western and Inland Finland AVI	548	563	14	2,6
Northern Finland AVI	212	208	-5	-2,2
Lapland AVI	76	79	3	4,3

Appendix table 31. Employed persons aged 15-74 by region (2011) 2018/IV - 2019/IV

Region	Year/Quarter		Change	Change
	2018/IV	2019/IV	2018/IV - 2019/IV	2018/IV - 2019/IV
	1000 persons	1000 persons	1000 persons	Per cent, %
Whole country (incl. Åland)	2 541	2 557	16	0,6
Uusimaa	840	858	18	2,2
Southwest Finland	225	223	-2	-1,0
Satakunta	98	95	-2	-2,4
Kanta-Häme	79	79	0	0,1
Pirkanmaa	232	243	11	4,9
Päijät-Häme	90	88	-3	-2,9
Kymenlaakso	70	71	1	1,3
South Karelia	54	52	-2	-3,8
South Savo	59	59	0	0,2
North Savo	106	105	-1	-1,1
North Karelia	69	63	-6	-8,5
Central Finland	117	120	3	2,7
South Ostrobothnia	86	89	3	2,9
Ostrobothnia	83	80	-3	-3,4
Central Ostrobothnia	30	30	-0	-0,3
North Ostrobothnia	185	181	-4	-2,3
Kainuu	28	27	-1	-2,0
Lapland	76	79	3	4,3

Appendix table 32. Part-time employed persons aged 15-74 by sex 2018/IV - 2019/IV

	Year/Quarter		Change	
	2018/IV	2019/IV	2018/IV - 2019/IV	2018/IV - 2019/IV
	1000 persons	1000 persons	1000 persons	Per cent, %
Sex				
Both sexes	448	451	3	0,6
Males	163	162	-1	-0,5
Females	285	288	4	1,3

Appendix table 33. Proportion of part-time employed persons in all employed persons aged 15-74 by sex 2018/IV - 2019/IV, %

	Year/Quarter		Change
	2018/IV	2019/IV	2018/IV - 2019/IV
	Per cent, %	Per cent, %	Percentage points
Sex			
Both sexes	17,6	17,6	0,0
Males	12,4	12,3	-0,1
Females	23,3	23,3	0,0

Appendix table 34. Employees aged 15-74 by industry (TOL 2008) 2018/IV - 2019/IV

		Year/Quarter		Change	Change
		2018/IV	2019/IV	2018/IV - 2019/IV	2018/IV - 2019/IV
		1000 persons	1000 persons	1000 persons	Per cent, %
Industry	TOL 2008				
Industries total	00-99	2 205	2 204	-1	0,0
A, B Agriculture, forestry and fishing; mining and quarrying	01-09	34	35	1	1,8
Agriculture	01	13	12	-2	-11,3
C Manufacturing	10-33	315	304	-11	-3,6
Manufacture of food products, beverages and textiles	10-15	43	36	-7	-15,7
Manufacture of wood products, paper and paper products; printing and reproduction of recorded media	16-18	46	46	-1	-1,3
Manufacture of chemicals and chemical products and basic pharmaceutical products	19-23	45	44	-1	-1,9
Manufacture of basic metals and of fabricated metal products, except machinery and equipment	24-25	53	49	-4	-6,8
Manufacture of electronic and optical products, electrical equipment, machinery and vehicles	26-30	101	101	1	0,7
Manufacture of furniture, other manufacturing; repair and installation of machinery and equipment	31-33	28	27	-0	-1,5
D, E Electricity, gas, steam and air conditioning and water supply; sewerage and waste management	35-39	23	24	1	2,8
F Construction	41-43	155	139	-16	-10,0
Construction of buildings	41	56	48	-8	-14,4
Specialised construction activities	43	81	73	-7	-9,2
G Wholesale and retail trade; repair of motor vehicles and motorcycles	45-47	253	248	-5	-2,0
Wholesale and retail trade and repair of motor vehicles and motorcycles	45	40	35	-5	-11,7
Wholesale trade, except of motor vehicles and motorcycles	46	81	87	6	7,6
Retail trade, except of motor vehicles and motorcycles	47	132	126	-7	-5,0
H Transportation and storage	49-53	126	123	-3	-2,6
Land, water and air transport	49-51	76	66	-10	-12,6
Warehousing and support activities for transportation; postal and courier activities	52-53	51	57	6	12,4
I Accommodation and food service activities	55-56	77	85	8	10,9
J Information and communication	58-63	106	113	8	7,2
K, L Financial, insurance and real estate activities	64-68	68	73	5	7,5
M Professional, scientific and technical activities	69-75	139	137	-2	-1,3
Architectural and engineering activities; technical testing and analysis	71	64	60	-4	-6,6
N Administrative and support service activities	77-82	96	105	9	9,6
Services to buildings and landscape activities	81	56	61	6	10,1
O Public administration and defence; compulsory social security	84	114	110	-4	-3,5
P Education	85	184	181	-3	-1,7
Q Human health and social work activities	86-88	392	407	15	3,8
Human health activities	86	168	170	2	1,1

		Year/Quarter		Change	Change
		2018/IV	2019/IV	2018/IV - 2019/IV	2018/IV - 2019/IV
		1000 persons	1000 persons	1000 persons	Per cent, %
Residential care activities	87	93	99	6	6,4
Social work activities without accommodation	88	131	138	7	5,3
R Arts, entertainment and recreation	90-93	53	52	-1	-2,0
S-U Other service activities	94-99	64	62	-2	-3,1
X Industry unknown	00	6	7	.	.

Appendix table 35. Hours actually worked of employees aged 15-74 by industry (TOL 2008) 2018/IV - 2019/IV

	TOL 2008	Year/Quarter		Change	Change
		2018/IV	2019/IV	2018/IV - 2019/IV	2018/IV - 2019/IV
		Million hours	Million hours	Million hours	Per cent, %
Industry	TOL 2008				
Industries total	00-99	910,3	901,4	-8,9	-1,0
A, B Agriculture, forestry and fishing; mining and quarrying	01-09	16,0	15,2	-0,8	-5,0
Agriculture	01	7,2	5,1	-2,1	-29,3
C Manufacturing	10-33	138,7	132,6	-6,0	-4,3
Manufacture of food products, beverages and textiles	10-15	18,4	14,3	-4,2	-22,6
Manufacture of wood products, paper and paper products; printing and reproduction of recorded media	16-18	20,3	20,2	0,0	-0,1
Manufacture of chemicals and chemical products and basic pharmaceutical products	19-23	18,7	19,4	0,7	3,6
Manufacture of basic metals and of fabricated metal products, except machinery and equipment	24-25	23,5	20,8	-2,8	-11,8
Manufacture of electronic and optical products, electrical equipment, machinery and vehicles	26-30	46,2	45,6	-0,7	-1,4
Manufacture of furniture, other manufacturing; repair and installation of machinery and equipment	31-33	11,5	12,4	0,9	8,1
D, E Electricity, gas, steam and air conditioning and water supply; sewerage and waste management	35-39	10,4	11,1	0,7	6,9
F Construction	41-43	71,0	62,9	-8,1	-11,4
Construction of buildings	41	25,4	21,4	-3,9	-15,6
Specialised construction activities	43	37,7	33,4	-4,4	-11,6
G Wholesale and retail trade; repair of motor vehicles and motorcycles	45-47	103,2	100,4	-2,8	-2,7
Wholesale and retail trade and repair of motor vehicles and motorcycles	45	18,4	15,6	-2,8	-15,4
Wholesale trade, except of motor vehicles and motorcycles	46	37,6	39,0	1,5	3,9
Retail trade, except of motor vehicles and motorcycles	47	47,2	45,8	-1,4	-3,0
H Transportation and storage	49-53	55,0	52,7	-2,3	-4,2
Land, water and air transport	49-51	35,0	30,2	-4,8	-13,8
Warehousing and support activities for transportation; postal and courier activities	52-53	20,0	22,5	2,5	12,6
I Accommodation and food service activities	55-56	30,3	30,2	-0,1	-0,3
J Information and communication	58-63	47,3	49,7	2,4	5,1
K, L Financial, insurance and real estate activities	64-68	29,1	31,6	2,5	8,5
M Professional, scientific and technical activities	69-75	57,5	57,6	0,0	0,1
Architectural and engineering activities; technical testing and analysis	71	26,8	24,9	-1,9	-7,2
N Administrative and support service activities	77-82	38,8	43,3	4,5	11,7
Services to buildings and landscape activities	81	21,4	25,1	3,7	17,5
O Public administration and defence; compulsory social security	84	47,0	45,9	-1,1	-2,4
P Education	85	67,4	68,4	1,0	1,5
Q Human health and social work activities	86-88	155,2	158,5	3,3	2,1

		Year/Quarter		Change	Change
		2018/IV	2019/IV	2018/IV - 2019/IV	2018/IV - 2019/IV
		Million hours	Million hours	Million hours	Per cent, %
Human health activities	86	67,1	68,1	0,9	1,4
Residential care activities	87	38,3	38,1	-0,2	-0,4
Social work activities without accommodation	88	49,7	52,2	2,5	5,0
R Arts, entertainment and recreation	90-93	17,6	17,5	-0,1	-0,7
S-U Other service activities	94-99	22,8	21,3	-1,5	-6,5
X Industry unknown	00	3,1	2,6	.	.

Appendix table 36. Employees aged 15-74 by type of employment relationship 2018/IV - 2019/IV

	Year/Quarter		Change	Change
	2018/IV	2019/IV	2018/IV - 2019/IV	2018/IV - 2019/IV
	1000 persons	1000 persons	1000 persons	Per cent, %
Employment relationship				
Employees total	2 205	2 204	-1	0,0
- permanent full-time work	1 621	1 634	13	0,8
- permanent part-time work	249	250	1	0,4
- temporary (fixed-term) full-time work	217	205	-12	-5,5
- temporary (fixed-term) part-time work	118	115	-3	-2,3
Temporary (fixed-term) work total	335	320	-15	-4,4
Part-time work total	367	365	-2	-0,4

Appendix table 37. Employees aged 15-74 by type of employment relationship 2018/IV - 2019/IV, %

	Year/Quarter		Change
	2018/IV	2019/IV	2018/IV - 2019/IV
	Per cent, %	Per cent, %	Percentage points
Employment relationship			
Employees total	100,0	100,0	0,0
- permanent full-time work	73,5	74,1	0,6
- permanent part-time work	11,3	11,3	0,1
- temporary (fixed-term) full-time work	9,8	9,3	-0,5
- temporary (fixed-term) part-time work	5,3	5,2	-0,1
Temporary (fixed-term) work total	15,2	14,5	-0,7
Part-time work total	16,6	16,6	-0,1

Appendix table 38. Different types of employment relationships less than 12 month's duration 2018/IV - 2019/IV, persons aged 15-74

	Year/Quarter		Change	
	2018/IV	2019/IV	2018/IV - 2019/IV	2018/IV - 2019/IV
	1000 persons	1000 persons	1000 persons	Per cent, %
Employment relationship				
Employees total	500	481	-20	-3,9
- permanent full-time work	199	197	-2	-0,8
- permanent part-time work	68	70	1	2,0
- temporary (fixed-term) full-time work	150	131	-19	-12,5
- temporary (fixed-term) part-time work	84	83	-1	-1,0
Temporary (fixed-term) work total	233	214	-20	-8,4
Part-time work total	152	152	1	0,4

Appendix table 39. Different types of employment relationships less than 12 month's duration 2018/IV - 2019/IV, persons aged 15-74, %

	Year/Quarter		Change
	2018/IV	2019/IV	2018/IV - 2019/IV
	Per cent, %	Per cent, %	Percentage points
Employment relationship			
Employees total	100,0	100,0	0,0
- permanent full-time work	39,7	41,0	1,3
- permanent part-time work	13,6	14,5	0,8
- temporary (fixed-term) full-time work	29,9	27,2	-2,7
- temporary (fixed-term) part-time work	16,7	17,2	0,5
Temporary (fixed-term) work total	46,6	44,5	-2,1
Part-time work total	30,3	31,7	1,4

Appendix table 40. Unemployed persons by sex and age 2018/IV - 2019/IV

		Year/Quarter		Change	
		2018/IV	2019/IV	2018/IV - 2019/IV	2018/IV - 2019/IV
		1000 persons	1000 persons	1000 persons	Per cent, %
Sex	Age group				
Both sexes	15-74	162	164	3	1,6
	15-64	160	162	2	1,5
	15-24	33	39	6	17,2
	25-34	37	39	2	5,8
	35-44	29	23	-6	-21,2
	45-54	29	26	-3	-10,1
	55-64	32	36	4	11,7
Males	15-74	89	92	3	3,2
	15-64	89	91	3	3,2
	15-24	19	21	2	12,7
	25-34	20	23	2	10,9
	35-44	16	12	-4	-26,5
	45-54	15	15	1	4,9
	55-64	19	21	2	9,5
Females	15-74	72	72	-0	-0,3
	15-64	71	71	-0	-0,5
	15-24	14	18	3	22,9
	25-34	17	17	-0	-0,5
	35-44	13	11	-2	-14,7
	45-54	14	10	-4	-25,6
	55-64	13	15	2	14,8

Appendix table 41. Unemployment rate by sex and age 2018/IV - 2019/IV

		Year/Quarter		Change
		2018/IV	2019/IV	2018/IV - 2019/IV
		Per cent, %	Per cent, %	Percentage points
Sex	Age group			
Both sexes	15-74	6,0	6,0	0,1
	15-64	6,1	6,2	0,1
	15-24	12,2	13,9	1,7
	25-34	6,3	6,6	0,3
	35-44	4,7	3,7	-1,0
	45-54	4,6	4,2	-0,4
	55-64	6,2	6,8	0,6
Males	15-74	6,4	6,5	0,2
	15-64	6,5	6,7	0,2
	15-24	14,0	15,2	1,2
	25-34	6,3	7,0	0,7
	35-44	4,9	3,6	-1,3
	45-54	4,6	5,0	0,4
	55-64	7,4	8,0	0,6
Females	15-74	5,6	5,5	-0,1
	15-64	5,6	5,6	-0,1
	15-24	10,4	12,6	2,2
	25-34	6,3	6,2	-0,1
	35-44	4,5	3,8	-0,7
	45-54	4,6	3,4	-1,1
	55-64	5,0	5,6	0,6

Appendix table 42. Unemployment rates by Regional State Administrative Agencies (AVI) 2018/IV - 2019/IV

	Year/Quarter		Change
	2018/IV	2019/IV	2018/IV - 2019/IV
	Per cent, %	Per cent, %	Percentage points
Regional State Administrative Agencies			
Whole country (incl. Åland)	6,0	6,0	0,1
Southern Finland AVI	5,9	6,1	0,2
Southwestern Finland AVI	5,7	5,8	0,1
Eastern Finland AVI	5,7	7,8	2,1
Western and Inland Finland AVI	6,2	4,8	-1,4
Northern Finland AVI	6,3	7,4	1,1
Lapland AVI	7,4	6,5	-0,8

Appendix table 43. Unemployment rates by region (2011) 2018/IV - 2019/IV

Region	Year/Quarter		Change
	2018/IV	2019/IV	2018/IV - 2019/IV
	Per cent, %	Per cent, %	Percentage points
Whole country (incl. Åland)	6,0	6,0	0,1
Uusimaa	6,0	5,7	-0,3
Southwest Finland	6,3	6,0	-0,3
Satakunta	4,5	5,4	0,9
Kanta-Häme	4,3	3,5	-0,8
Pirkanmaa	7,5	5,0	-2,5
Päijät-Häme	4,9	7,5	2,7
Kymenlaakso	6,9	8,8	1,9
South Karelia	6,7	9,9	3,2
South Savo	7,1	6,4	-0,7
North Savo	4,9	6,4	1,5
North Karelia	5,7	11,2	5,5
Central Finland	7,7	6,4	-1,3
South Ostrobothnia	3,4	2,5	-0,9
Ostrobothnia	3,7	4,3	0,6
Central Ostrobothnia	4,3	3,9	-0,4
North Ostrobothnia	5,7	7,1	1,4
Kainuu	10,3	9,7	-0,6
Lapland	7,4	6,5	-0,8

Appendix tables 2019, year

Appendix table 44. Key indicators in the Labour Force Survey by sex in 2017 - 2019

		Year			Change
		2017	2018	2019	2018/2019
		Per cent, %	Per cent, %	Per cent, %	Percentage points
Indicator	Sex				
Employment rate, persons aged 15-64	Both sexes	69,6	71,7	72,6	0,9
	Males	70,7	72,7	73,3	0,6
	Females	68,5	70,6	71,8	1,2
Unemployment rate, persons aged 15-74	Both sexes	8,6	7,4	6,7	-0,7
	Males	8,9	7,4	7,2	-0,2
	Females	8,4	7,3	6,2	-1,1
Activity rate, persons aged 15-74	Both sexes	65,8	66,5	66,6	0,1
	Males	68,1	68,6	68,9	0,2
	Females	63,5	64,3	64,3	0,0

Appendix table 45. Population aged 15-74 by labour force status and sex in 2017 - 2019

		Year			Change	Change
		2017	2018	2019	2018/2019	2018/2019
		1000 persons	1000 persons	1000 persons	1000 persons	Per cent, %
Sex	Labour force status					
Both sexes	Population total	4 114	4 124	4 128	4	0,1
	Active population total	2 707	2 742	2 750	8	0,3
	- employed	2 473	2 540	2 566	26	1,0
	- unemployed	234	202	184	-18	-8,8
	Inactive population	1 407	1 382	1 378	-4	-0,3
Males	Population total	2 066	2 072	2 075	3	0,1
	Active population total	1 407	1 422	1 429	7	0,5
	- employed	1 282	1 317	1 327	10	0,8
	- unemployed	125	106	103	-3	-2,8
	Inactive population	659	650	646	-4	-0,7
Females	Population total	2 048	2 052	2 053	1	0,0
	Active population total	1 300	1 319	1 320	1	0,1
	- employed	1 191	1 223	1 239	16	1,3
	- unemployed	109	96	82	-15	-15,3
	Inactive population	748	732	732	0	0,0

Appendix table 46. Employment rates by sex and age in 2017 - 2019

		Year			Change
		2017	2018	2019	2018/2019
		Per cent, %	Per cent, %	Per cent, %	Percentage points
Sex	Age group				
Both sexes	15-74	60,1	61,6	62,2	0,6
	15-64	69,6	71,7	72,6	0,9
	15-24	41,4	42,8	43,3	0,5
	25-34	74,9	76,8	78,1	1,3
	35-44	82,7	85,1	85,3	0,2
	45-54	84,3	85,5	86,3	0,8
	55-64	62,5	65,4	66,8	1,3
	65-74	10,6	11,0	11,2	0,3
Males	15-74	62,1	63,5	63,9	0,4
	15-64	70,7	72,7	73,3	0,6
	15-24	39,2	40,3	41,7	1,4
	25-34	79,7	82,2	82,5	0,2
	35-44	85,8	87,9	88,5	0,6
	45-54	84,4	85,7	85,7	0,0
	55-64	61,7	64,3	64,8	0,5
	65-74	14,0	14,3	14,7	0,4
Females	15-74	58,2	59,6	60,4	0,7
	15-64	68,5	70,6	71,8	1,2
	15-24	43,6	45,4	45,0	-0,4
	25-34	69,8	71,1	73,5	2,4
	35-44	79,4	82,2	81,9	-0,3
	45-54	84,2	85,3	86,9	1,6
	55-64	63,4	66,5	68,6	2,1
	65-74	7,6	7,9	8,1	0,1

Appendix table 47. Employed person aged 15-74 by educational level and sex in 2017 - 2019¹⁾

		Year			Change	
		2017	2018	2019	2018/2019	2018/2019
		1000 persons	1000 persons	1000 persons	1000 persons	Per cent, %
Sex	Level of education					
Both sexes	Total	2 473	2 540	2 566	26	1,0
	Upper secondary education (3,4)	1 097	1 116	1 128	11	1,0
	Tertiary education total (5,6,7,8)	1 102	1 129	1 164	35	3,1
	- lowest level tertiary education (5)	273	271	255	-17	-6,2
	- lower university level (6)	423	438	463	24	5,5
	- higher university or doctorate level (7,8)	407	420	447	27	6,5
	No post-basic level education or level of education unknown	274	294	274	-21	-7,0
Males	Total	1 282	1 317	1 327	10	0,8
	Upper secondary education (3,4)	623	640	648	8	1,2
	Tertiary education total (5,6,7,8)	479	489	509	20	4,1
	- lowest level tertiary education (5)	105	101	96	-4	-4,1
	- lower university level (6)	191	194	213	19	9,9
	- higher university or doctorate level (7,8)	183	195	199	5	2,5
	No post-basic level education or level of education unknown	180	188	170	-18	-9,5
Females	Total	1 191	1 223	1 239	16	1,3
	Upper secondary education (3,4)	473	477	480	3	0,7
	Tertiary education total (5,6,7,8)	623	640	655	15	2,3
	- lowest level tertiary education (5)	168	171	158	-13	-7,4
	- lower university level (6)	232	244	249	5	2,1
	- higher university or doctorate level (7,8)	224	225	248	23	10,0
	No post-basic level education or level of education unknown	94	106	103	-3	-2,5

1) Starting from 2018, education data are from the Register of Completed Education and Degrees for the year before the survey year. Education data for previous years are from the Register of Completed Education and Degrees in the survey year.

Appendix table 48. Employed persons aged 15-74 by industry (TOL 2008) in 2017 - 2019

		Year			Change	Change
		2017	2018	2019	2018/2019	2018/2019
		1000 persons	1000 persons	1000 persons	1000 persons	Per cent, %
Industry	TOL 2008					
Industries total	00-99	2 473	2 540	2 566	26	1,0
A, B Agriculture, forestry and fishing; mining and quarrying	01-09	99	101	105	4	4,1
Agriculture	01	71	72	70	-2	-2,9
C Manufacturing	10-33	326	337	329	-8	-2,5
Manufacture of food products, beverages and textiles	10-15	43	47	45	-1	-3,0
Manufacture of wood products, paper and paper products; printing and reproduction of recorded media	16-18	45	49	47	-2	-3,8
Manufacture of chemicals and chemical products and basic pharmaceutical products	19-23	46	48	46	-1	-2,9
Manufacture of basic metals and of fabricated metal products, except machinery and equipment	24-25	55	55	55	0	0,5
Manufacture of electronic and optical products, electrical equipment, machinery and vehicles	26-30	103	104	102	-2	-1,8
Manufacture of furniture, other manufacturing; repair and installation of machinery and equipment	31-33	34	35	33	-2	-6,3
D, E Electricity, gas, steam and air conditioning and water supply; sewerage and waste management	35-39	29	24	24	0	0,1
F Construction	41-43	187	198	193	-5	-2,6
Construction of buildings	41	70	73	73	0	-0,5
Specialised construction activities	43	97	104	99	-5	-4,7
G Wholesale and retail trade; repair of motor vehicles and motorcycles	45-47	282	292	287	-6	-1,9
Wholesale and retail trade and repair of motor vehicles and motorcycles	45	43	47	43	-5	-9,6
Wholesale trade, except of motor vehicles and motorcycles	46	84	87	95	9	10,0
Retail trade, except of motor vehicles and motorcycles	47	155	159	149	-10	-6,2
H Transportation and storage	49-53	139	143	143	1	0,4
Land, water and air transport	49-51	89	91	88	-3	-3,2
Warehousing and support activities for transportation; postal and courier activities	52-53	50	52	55	4	6,8
I Accommodation and food service activities	55-56	85	86	97	11	13,3
J Information and communication	58-63	106	114	123	9	7,8
K, L Financial, insurance and real estate activities	64-68	81	77	77	1	1,0
M Professional, scientific and technical activities	69-75	172	179	181	1	0,8
Architectural and engineering activities; technical testing and analysis	71	63	71	70	-1	-1,3
N Administrative and support service activities	77-82	112	112	119	7	6,6

		Year			Change	
		2017	2018	2019	2018/2019	2018/2019
		1000 persons	1000 persons	1000 persons	1000 persons	Per cent, %
Services to buildings and landscape activities	81	64	65	71	6	8,7
O Public administration and defence; compulsory social security	84	115	116	113	-3	-2,2
P Education	85	181	184	187	3	1,6
Q Human health and social work activities	86-88	404	417	422	5	1,2
Human health activities	86	187	189	189	0	0,2
Residential care activities	87	87	96	102	6	6,3
Social work activities without accommodation	88	131	133	132	-1	-0,9
R Arts, entertainment and recreation	90-93	66	65	68	3	5,0
S-U Other service activities	94-99	87	88	89	1	1,6
X Industry unknown	00	5	7	7	0	3,4

Appendix table 49. Hours actually worked by employed persons aged 15-74 by industry (TOL 2008) in 2017 - 2019

		Year			Change	Change
		2017	2018	2019	2018/2019	2018/2019
		Million hours	Million hours	Million hours	Million hours	Per cent, %
Industry	TOL 2008					
Industries total	00-99	4040,4	4132,7	4141,6	8,9	0,2
A, B Agriculture, forestry and fishing; mining and quarrying	01-09	195,8	198,2	207,2	9,1	4,6
Agriculture	01	146,7	148,7	147,1	-1,6	-1,0
C Manufacturing	10-33	571,1	580,6	567,3	-13,3	-2,3
Manufacture of food products, beverages and textiles	10-15	72,7	77,3	73,3	-4,0	-5,1
Manufacture of wood products, paper and paper products; printing and reproduction of recorded media	16-18	77,8	84,1	83,2	-0,9	-1,1
Manufacture of chemicals and chemical products and basic pharmaceutical products	19-23	79,8	79,9	81,4	1,5	1,9
Manufacture of basic metals and of fabricated metal products, except machinery and equipment	24-25	96,8	97,4	93,4	-4,0	-4,1
Manufacture of electronic and optical products, electrical equipment, machinery and vehicles	26-30	182,4	182,1	178,2	-3,8	-2,1
Manufacture of furniture, other manufacturing; repair and installation of machinery and equipment	31-33	61,5	59,8	57,7	-2,1	-3,5
D, E Electricity, gas, steam and air conditioning and water supply; sewerage and waste management	35-39	49,9	40,9	42,8	1,9	4,6
F Construction	41-43	339,6	359,4	343,2	-16,1	-4,5
Construction of buildings	41	123,2	131,8	127,4	-4,4	-3,3
Specialised construction activities	43	180,2	190,8	179,1	-11,7	-6,1
G Wholesale and retail trade; repair of motor vehicles and motorcycles	45-47	457,1	474,0	463,4	-10,6	-2,2
Wholesale and retail trade and repair of motor vehicles and motorcycles	45	78,8	88,1	76,4	-11,7	-13,3
Wholesale trade, except of motor vehicles and motorcycles	46	149,0	152,9	168,5	15,6	10,2
Retail trade, except of motor vehicles and motorcycles	47	229,3	233,0	218,5	-14,5	-6,2
H Transportation and storage	49-53	239,5	245,8	246,3	0,4	0,2
Land, water and air transport	49-51	164,0	167,3	160,7	-6,6	-4,0
Warehousing and support activities for transportation; postal and courier activities	52-53	75,5	78,5	85,6	7,1	9,0
I Accommodation and food service activities	55-56	126,4	132,0	143,3	11,3	8,6
J Information and communication	58-63	179,3	191,9	207,4	15,4	8,0
K, L Financial, insurance and real estate activities	64-68	132,8	126,7	128,9	2,2	1,8
M Professional, scientific and technical activities	69-75	286,1	291,4	286,3	-5,1	-1,7
Architectural and engineering activities; technical testing and analysis	71	105,2	116,8	113,9	-2,9	-2,5
N Administrative and support service activities	77-82	178,7	176,4	191,5	15,1	8,6

		Year			Change	Change
		2017	2018	2019	2018/2019	2018/2019
		Million hours	Million hours	Million hours	Million hours	Per cent, %
Services to buildings and landscape activities	81	100,2	100,1	111,0	10,9	10,8
O Public administration and defence; compulsory social security	84	188,7	186,7	184,4	-2,3	-1,2
P Education	85	255,5	256,8	260,8	4,0	1,6
Q Human health and social work activities	86-88	614,8	640,8	636,5	-4,2	-0,7
Human health activities	86	286,6	291,3	286,7	-4,6	-1,6
Residential care activities	87	139,2	151,7	157,6	6,0	3,9
Social work activities without accommodation	88	188,9	197,8	192,2	-5,6	-2,8
R Arts, entertainment and recreation	90-93	90,7	88,6	92,0	3,4	3,9
S-U Other service activities	94-99	126,0	129,9	129,0	-0,9	-0,7
X Industry unknown	00	8,5	12,7	11,3	-1,4	-11,0

Appendix table 50. Employed persons aged 15-74 by employer sector and sex in 2017 - 2019

		Year			Change	Change
		2017	2018	2019	2018/2019	2018/2019
		1000 persons	1000 persons	1000 persons	1000 persons	Per cent, %
Sex	Employer sector					
Both sexes	Employer sector total (incl. employer sector unknown)	2 473	2 540	2 566	26	1,0
	Private sector	1 794	1 862	1 892	31	1,6
	Public sector	674	673	669	-3	-0,5
	- central government	141	140	138	-2	-1,5
	- local government	533	532	531	-1	-0,2
Males	Employer sector total (incl. employer sector unknown)	1 282	1 317	1 327	10	0,8
	Private sector	1 087	1 121	1 131	10	0,9
	Public sector	193	193	194	1	0,4
	- central government	68	69	70	1	1,9
	- local government	125	124	124	-1	-0,5
Females	Employer sector total (incl. employer sector unknown)	1 191	1 223	1 239	16	1,3
	Private sector	707	741	761	21	2,8
	Public sector	481	479	475	-4	-0,8
	- central government	73	71	68	-3	-4,8
	- local government	408	408	407	-1	-0,2

Appendix table 51. Employed persons aged 15-74 by region (2011) in 2017 - 2019

Region	Year			Change	
	2017	2018	2019	2018/2019	2018/2019
	1000 persons	1000 persons	1000 persons	1000 persons	Per cent, %
Whole country	2 473	2 540	2 566	26	1,0
Uusimaa	816	839	854	15	1,8
Southwest Finland	213	224	224	0	0,1
Satakunta	92	96	96	0	-0,3
Kanta-Häme	79	79	78	0	-0,5
Pirkanmaa	225	233	238	5	2,2
Päijät-Häme	85	88	89	1	1,6
Kymenlaakso	70	71	71	0	-0,3
South Karelia	52	54	54	0	0,5
South Savo	59	60	59	-1	-1,2
North Savo	106	106	107	1	0,5
North Karelia	65	68	66	-2	-2,6
Central Finland	116	118	122	4	3,1
South Ostrobothnia	84	87	89	1	1,7
Ostrobothnia	82	84	83	-1	-0,7
Central Ostrobothnia	31	30	30	0	1,0
North Ostrobothnia	180	184	182	-1	-0,7
Kainuu	29	28	29	1	3,5
Lapland	73	76	79	2	3,0
Åland	16	15	15	0	-2,5

Appendix table 52. Employees aged 15-74 by type of employment relationship and sex in 2017 - 2019

		Year			Change	Change
		2017	2018	2019	2018/2019	2018/2019
		1000 persons	1000 persons	1000 persons	1000 persons	Per cent, %
Sex	Employment relationship					
Both sexes	Employees total	2 147	2 204	2 220	16	0,7
	- permanent full-time work	1 571	1 608	1 624	16	1,0
	- permanent part-time work	232	234	247	13	5,4
	- temporary (fixed-term) full-time work	245	252	240	-13	-5,1
	- temporary (fixed-term) part-time work	100	110	110	0	-0,1
	Temporary (fixed-term) work total	345	363	350	-13	-3,5
	Part-time work total	332	344	357	12	3,6
Males	Employees total	1 064	1 094	1 101	7	0,6
	- permanent full-time work	855	875	887	12	1,3
	- permanent part-time work	68	72	72	0	-0,6
	- temporary (fixed-term) full-time work	105	109	102	-7	-6,2
	- temporary (fixed-term) part-time work	36	38	40	3	6,8
	Temporary (fixed-term) work total	141	147	143	-4	-2,8
	Part-time work total	104	110	112	2	1,9
Females	Employees total	1 083	1 110	1 119	9	0,8
	- permanent full-time work	716	732	737	5	0,6
	- permanent part-time work	164	162	175	13	8,0
	- temporary (fixed-term) full-time work	140	143	137	-6	-4,2
	- temporary (fixed-term) part-time work	64	73	70	-3	-3,7
	Temporary (fixed-term) work total	204	216	207	-9	-4,0
	Part-time work total	227	235	245	10	4,4

Appendix table 53. Unemployment rates by sex and age in 2017 - 2019

		Year			Change
		2017	2018	2019	2018/2019
		Per cent, %	Per cent, %	Per cent, %	Percentage points
Sex	Age group				
Both sexes	15-74	8,6	7,4	6,7	-0,7
	15-64	8,8	7,5	6,8	-0,7
	15-24	20,1	17,0	17,2	0,2
	25-34	8,7	7,8	6,6	-1,2
	35-44	6,3	5,1	4,4	-0,7
	45-54	6,4	5,3	4,3	-1,0
	55-64	7,8	6,9	6,6	-0,3
Males	15-74	8,9	7,4	7,2	-0,2
	15-64	9,1	7,6	7,4	-0,3
	15-24	20,9	17,3	18,7	1,5
	25-34	8,8	7,7	6,7	-1,0
	35-44	6,0	5,1	4,4	-0,8
	45-54	7,0	5,3	4,8	-0,5
	55-64	8,7	7,8	8,1	0,2
Females	15-74	8,4	7,3	6,2	-1,1
	15-64	8,5	7,4	6,3	-1,1
	15-24	19,3	16,8	15,6	-1,2
	25-34	8,6	7,9	6,6	-1,4
	35-44	6,5	5,1	4,5	-0,6
	45-54	5,8	5,4	3,8	-1,6
	55-64	7,0	6,0	5,2	-0,8

Appendix table 54. Unemployment rates by region (2011) in 2017 - 2019, persons aged 15-74

Region	Year			Change
	2017	2018	2019	2018/2019
	Per cent, %	Per cent, %	Per cent, %	Percentage points
Whole country (incl. Åland)	8,6	7,4	6,7	-0,7
Uusimaa	7,7	6,9	6,4	-0,5
Southwest Finland	8,7	6,9	6,1	-0,8
Satakunta	8,7	6,0	6,5	0,5
Kanta-Häme	7,2	6,5	4,4	-2,1
Pirkanmaa	10,5	9,0	7,2	-1,8
Päijät-Häme	7,4	7,5	6,3	-1,2
Kymenlaakso	10,4	9,1	7,7	-1,4
South Karelia	9,0	8,2	8,0	-0,2
South Savo	11,2	8,6	6,8	-1,9
North Savo	8,3	7,7	6,8	-0,9
North Karelia	11,8	8,9	10,4	1,6
Central Finland	10,6	8,9	7,4	-1,5
South Ostrobothnia	7,2	4,4	4,4	0,0
Ostrobothnia	7,1	4,9	4,7	-0,2
Central Ostrobothnia	5,5	6,7	4,2	-2,4
North Ostrobothnia	8,8	7,3	8,0	0,7
Kainuu	12,4	10,8	8,4	-2,4
Lapland	10,5	8,9	8,3	-0,5

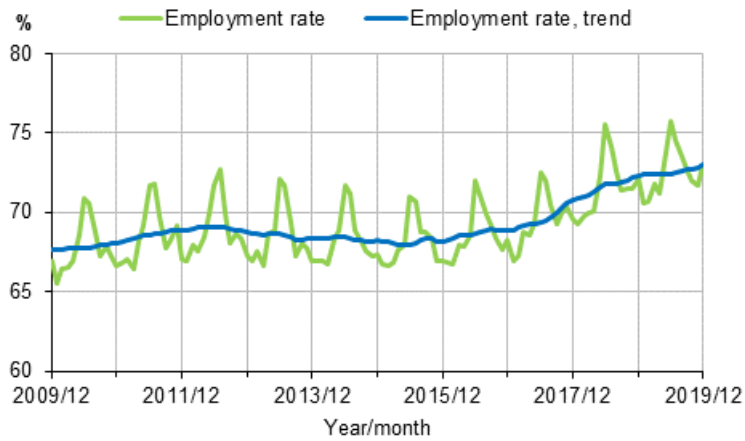
Appendix table 55. Unemployment rates by educational level and sex in 2017 - 2019, persons aged 15-74¹⁾

		Year			Change
		2017	2018	2019	2018/2019
		Per cent, %	Per cent, %	Per cent, %	Percentage points
Sex	Level of education				
Both sexes	Total	8,6	7,4	6,7	-0,7
	Upper secondary education (3,4)	9,6	8,0	7,1	-1,0
	Tertiary education total (5,6,7,8)	5,3	4,2	3,9	-0,2
	- lowest level tertiary education (5)	5,3	4,7	3,7	-1,0
	- lower university level (6)	5,5	4,5	4,5	0,0
	- higher university or doctorate level (7,8)	5,3	3,5	3,5	0,0
	No post-basic level education or level of education unknown	16,7	15,8	15,6	-0,1
Males	Total	8,9	7,4	7,2	-0,2
	Upper secondary education (3,4)	9,7	7,6	7,3	-0,4
	Tertiary education total (5,6,7,8)	5,3	4,1	4,3	0,1
	- lowest level tertiary education (5)	5,1	5,2	4,5	-0,8
	- lower university level (6)	6,1	4,3	4,8	0,5
	- higher university or doctorate level (7,8)	4,7	3,3	3,5	0,3
	No post-basic level education or level of education unknown	14,6	14,5	14,7	0,2
Females	Total	8,4	7,3	6,2	-1,1
	Upper secondary education (3,4)	9,5	8,6	6,8	-1,8
	Tertiary education total (5,6,7,8)	5,3	4,2	3,7	-0,5
	- lowest level tertiary education (5)	5,4	4,3	3,2	-1,1
	- lower university level (6)	4,9	4,7	4,2	-0,4
	- higher university or doctorate level (7,8)	5,7	3,7	3,5	-0,2
	No post-basic level education or level of education unknown	20,3	17,9	17,2	-0,7

1) Starting from 2018, education data are from the Register of Completed Education and Degrees for the year before the survey year. Education data for previous years are from the Register of Completed Education and Degrees in the survey year.

Appendix figures 2019, December

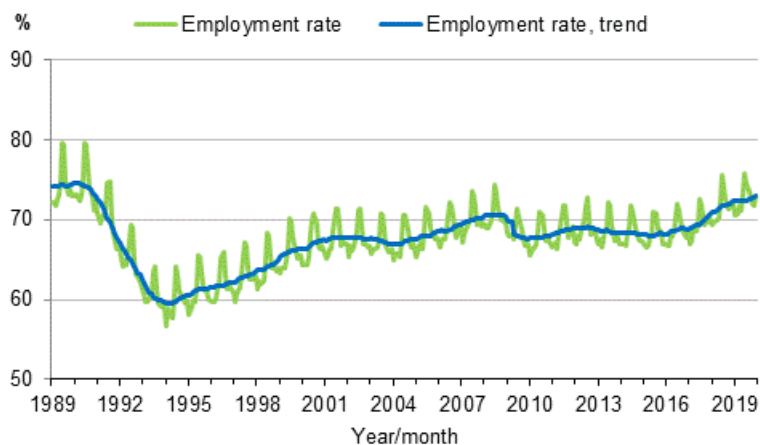
Appendix figure 1. Employment rate and trend of employment rate 2009/12–2019/12, persons aged 15–64



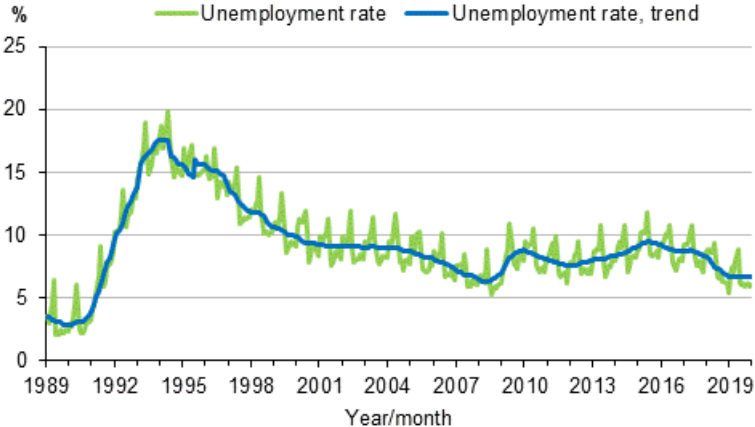
Appendix figure 2. Unemployment rate and trend of unemployment rate 2009/12–2019/12, persons aged 15–74



Appendix figure 3. Employment rate and trend of employment rate 1989/01–2019/12, persons aged 15–64



Appendix figure 4. Unemployment rate and trend of unemployment rate 1989/01–2019/12, 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.

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_2018-04-12_men_001.pdf.

Concepts:

- A person is **employed** if he/she has during the survey week been in gainful employment at least one hour against wages or salary or fringe benefits, or to make profit. Employees temporarily absent from work during the survey week are also classified as employed if the reason for absence is maternity or paternity leave or own illness or the absence has lasted for under three months. A self-employed person or an unpaid worker in an enterprise of a family member is calculated in employed regardless of the length or reason for absence.
- A person is **unemployed** if he/she is without work during the survey week (not in paid employment or working as self-employed), 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. Persons laid off for the time being who fulfil the above-mentioned criteria are also counted as unemployed.

- All persons aged 15 to 74 who were employed or unemployed during the survey week belong to the **active population**. The concept of labour force can also be used of the active population.
- The **economically inactive population** consists of persons who are not employed or unemployed during the survey week. The concept of persons not in labour force can also be used of the inactive population.

Explanations for other concepts of the Labour Force Survey can be found at:

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 2016 (ISCED 2011) 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 (<https://dvv.fi/en/foreigner-registration>).

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 2018, the household data comprised approximately 47,000 persons who formed 20,000 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. In 2018, around 95,000 persons were interviewed for the Labour Force Survey. The response rate of this survey was 66 per cent, on average.

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 Economic Affairs and Employment 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.

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.¹⁾

	Monthly estimate	Monthly estimate's margins of error (95% confidence interval)	Standard error	Relative standard error
	persons	persons	persons	%
Employed	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
Unemployed	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.¹⁾

	Quarterly estimate	Quarterly estimate's margins of error (95% confidence interval)	Standard error	Relative standard error
	persons	persons	persons	%
Employed	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
Unemployed	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.¹⁾

	Annual estimate	Annual estimate's margins of error (95% confidence interval)	Standard error	Relative standard error
	persons	persons	persons	%
Employed	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
Unemployed	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. 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.stat.fi/meta/rekisteriselosteet/rekisteriseloste_tyovoimatutkimus.html.

Information service: 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 Economic Affairs and Employment'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 Economic Affairs and Employment 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_2019-09-13_men_001_en.html.

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