

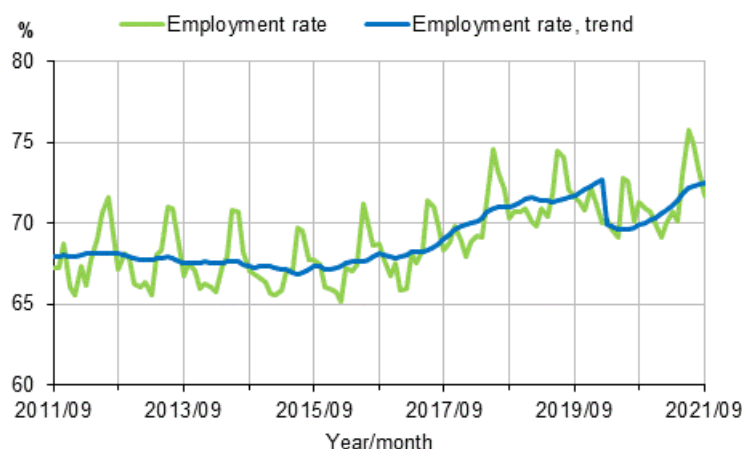
# Labour Force Survey

## Labour force Survey 2021, September and 3rd quarter

### Growth in employment slowed down in September

According to Statistics Finland's Labour Force Survey, the number of employed people was 17,000 higher in September 2021 than one year ago. In the third quarter, the number of employed persons was 61,000 higher than one year ago. The number of unemployed persons was 11,000 lower in September than one year ago. In September, the trend of the employment rate was 72.5 per cent and the trend of the unemployment rate was 7.6 per cent.

#### Employment rate and trend of employment rate 2011/09–2021/09, persons aged 15–64



Employment and unemployment 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. The preliminary nature of the latest trend figures should be considered when making conclusions. The drop in employment in spring 2020 was interpreted as a level shift in the seasonal adjustment model. 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 data content, data collection and estimation method of the Labour Force Survey were revised at the beginning of 2021. The most important key figures from the revised time series have been published in the StatFin database service. All revised time series will be published during 2021.

In September 2021, the number of **employed persons** was 2,527,000 (margin of error  $\pm 34,000$ ), which was 17,000 higher than a year earlier. There were 20,000 fewer employed men and 37,000 more employed women than in September 2020.

In September, the **employment rate** of persons aged 15 to 64, that is, the proportion of the employed among persons aged 15 to 64, stood at 71.7 per cent, having been 71.3 per cent one year earlier. From the previous year's September, the employment rate of men aged 15 to 64 fell by 1.5 percentage points to 71.3 per cent and that of women rose by 2.5 percentage points to 72.2 per cent.

The employment rate of people aged 20 to 69 was 69.7 per cent, having been 69.4 per cent twelve months earlier.

According to Statistics Finland's Labour Force Survey, there were 191,000 **unemployed** (margin of error  $\pm 21,000$ ) in September 2021, i.e. 11,000 fewer than the year before. The number of unemployed men was 106,000 and that of women 86,000.

The **unemployment rate**, or the proportion of the unemployed among the labour force, was 7.0 per cent in September, having been 7.5 per cent in the year before. From last year's September, men's unemployment rate decreased by 0.1 percentage points to 7.5 per cent and women's unemployment rate declined by 0.8 percentage points to 6.5 per cent.

In September, **the unemployment rate for people aged 15 to 24** stood at 10.3 per cent, which was 3.9 percentage points lower than one year previously. The trend of the unemployment rate among young people was 16.1 per cent. The share of unemployed young people aged 15 to 24 among the population in the same age group was 4.8 per cent.

There were 1,404,000 persons aged 15 to 74 in the **inactive population** in September 2021, which was 17,000 fewer than one year earlier.

**Changes in employment 2020/09 – 2021/09 according to Statistics Finland's Labour Force Survey, population aged 15 to 74**

	Year/Month		Change
	2020/09	2021/09	2020/09 - 2021/09
	1000 persons		Per cent, %
Population total	4 134	4 122	–0,3
Active population total	2 713	2 718	0,2
Employed	2 510	2 527	0,7
– employees	2 165	2 171	0,3
– self-employed persons and unpaid family workers	345	356	3,2
Unemployed	203	191	–5,6
Inactive population	1 421	1 404	–1,2
	Per cent, %		Percentage points
Employment rate, persons aged 15–64	71,3	71,7	0,5
Employment rate, persons aged 20–69	69,4	69,7	0,2
Unemployment rate	7,5	7,0	–0,4
Activity rate	65,6	65,9	0,3
Unrounded figures are used in the Change column. The data comply with the ILO/EU definition.			

## Labour Force Survey data for the third quarter of 2021

In the third quarter (July to September) of 2021, the average number of **employed persons** was 2,580,000, or 61,000 more than in the corresponding quarter of 2020. The number of employed persons increased most in wholesale and retail trade (G).

**The number of hours worked by employed persons** was 974.9 million in the third quarter of 2021, which was 0.7 per cent more than twelve months earlier.

The average number of **unemployed persons** in the third quarter of 2021 was 191,000, which was 16,000 fewer than in the July to September period of 2020. The **unemployment rate** in the third quarter of 2021 was 6.9 per cent, which was 0.7 percentage points lower than one year earlier.

In the third quarter of 2021, the number of persons in the **inactive population** was 1,352,000, which was 58,000 fewer than a year earlier.

**Changes in employment 2020/III – 2021/III according to Statistics Finland's Labour Force Survey, population aged 15 to 74**

	Year/Quarter		Change
	2020/III	2021/III	2020/III - 2021/III
	1000 persons		Per cent (%)
Active population total	2 726	2 771	1,7
Employed persons total	2 519	2 580	2,4
Unemployed total	207	191	–7,8
– men	108	101	–5,8
– women	99	89	–10,0
Inactive population	1 410	1 352	–4,1
Unrounded figures are used in the Change column. The data comply with the ILO/EU definition.			

# Employment Service Statistics of the Ministry of Economic Affairs and Employment

At the end of September 2021, there were altogether 265,000 persons registered in accordance with the Employment Office Regulations as unemployed job seekers at the **employment and economic development offices** and in local government pilots. The number of unemployed job seekers was 50,000 lower than in last year's September.

Unemployment fell in September from the corresponding period last year in the areas of all Centres for Economic Development, Transport and the Environment: most in Ostrobothnia (-30%), South Ostrobothnia (-24%), Pirkanmaa (-24%) and Satakunta (-23%). The number of unemployed job seekers declined least in Kainuu (-7%), Häme (-10%) and Central Finland (-10%). At the end of September, the number of fully laid off persons was 21,000, which was 36,000 fewer than twelve months earlier.

The number of persons engaged in services included in the activation rate totalled 111,000 at the end of September, which was 3,000 fewer than in September of the previous year. Altogether, 4.1 per cent of the labour force was covered by labour market policy services.

There were 29,000 unemployed job seekers aged under 25. Their number was 9,000 lower than in last year's September. During September, 97,000 new vacancies were reported, which is 38,000 more than in September last year.

## Changes 2020/09–2021/09 according to the Employment Service Statistics of the Ministry of Economic Affairs and Employment

	Year/Month		Change
	2020/09	2021/09	2020/09 - 2021/09
	1000 persons		Per cent, %
<b>Unemployed job seekers</b>	316	265	-16,0
– unemployed over a year	81	109	34,9
<b>Services, total</b>	114	111	-2,8
– employed	23	28	24,1
– in labour market training, in training	26	22	-14,9
– engaged in work/training trials	6	6	-5,1
– as a job alternation substitute, in rehabilitative work, self-motivated studies supported by unemployment benefit	58	54	-7,5
<b>New vacancies at employment and economic development offices</b>	58	97	66,3

Unrounded figures are used in the Change column.

Contact information for the Ministry of Economic Affairs and Employment:  
[Employment bulletin](#)

## Links

[Labour Force Survey tables in databases](#)

[About seasonally adjusted trend](#)

The accuracy of figures 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>.

# Contents

## Tables

### Appendix tables 2021, September

Appendix table 1. Key indicators in the Labour Force Survey by sex 2020/09 - 2021/09 .....	8
Appendix table 2. Population aged 15-74 by labour force status and sex 2020/09 - 2021/09.....	8
Appendix table 3. Population by sex and age 2020/09 - 2021/09.....	9
Appendix table 4. Active population by sex and age 2020/09 - 2021/09.....	10
Appendix table 5. Activity rates by sex and age 2020/09 - 2021/09.....	11
Appendix table 6. Employed persons by sex and age 2020/09 - 2021/09.....	12
Appendix table 7. Employment rates by sex and age 2020/09 - 2021/09.....	13
Appendix table 8. Employed persons aged 15-74 by status in employment 2020/09 - 2021/09.....	13
Appendix table 9. Employed persons aged 15-74 by employer sector 2020/09 - 2021/09.....	14
Appendix table 10. Employed persons aged 15-74 by Regional State Administrative Agencies (AVI) 2020/09 - 2021/09.....	14
Appendix table 11. Part-time employed persons aged 15-74 by sex 2020/09 - 2021/09.....	14
Appendix table 12. Proportion of part-time employed persons in all employed persons aged 15-74 by sex 2020/09 - 2021/09, %.....	14
Appendix table 13. Employees aged 15-74 by type of employment relationship 2020/09 - 2021/09.....	15
Appendix table 14. Employees aged 15-74 by type of employment relationship 2020/09 - 2021/09, %.....	15
Appendix table 15. Unemployed persons by sex and age 2020/09 - 2021/09.....	16
Appendix table 16. Unemployment rates by sex and age 2020/09 - 2021/09.....	17
Appendix table 17. Unemployment rates by Regional State Administrative Agencies (AVI) 2020/09 - 2021/09, persons aged 15-74.....	17
Appendix table 18. Seasonally adjusted trends 2021/09.....	18

### Appendix tables 2021, 3rd quarter

Appendix table 19. Key indicators in the Labour Force Survey by sex 2020/III - 2021/III.....	19
Appendix table 20. Population aged 15-74 by labour force status and sex 2020/III - 2021/III.....	19
Appendix table 21. Population by sex and age 2020/III - 2021/III.....	20
Appendix table 22. Active population by sex and age 2020/III - 2021/III.....	21
Appendix table 23. Activity rates by sex and age 2020/III - 2021/III.....	22
Appendix table 24. Employed persons by sex and age 2020/III - 2021/III.....	23
Appendix table 25. Employment rates by sex and age 2020/III - 2021/III.....	24
Appendix table 26. Employed persons aged 15-74 by status in employment 2020/III - 2021/III.....	24
Appendix table 27. Employed persons aged 15-74 by employer sector 2020/III - 2021/III.....	25
Appendix table 28. Employed persons aged 15-74 by industry (TOL 2008) 2020/III - 2021/III.....	26
Appendix table 29. Hours actually worked of employed persons aged 15-74 by industry (TOL 2008) 2020/III - 2021/III.....	28
Appendix table 30. Employed persons aged 15-74 by Regional State Administrative Agencies (AVI) 2020/III - 2021/III.....	29
Appendix table 31. Employed persons aged 15-74 by region (2011) 2020/III - 2021/III.....	29
Appendix table 32. Part-time employed persons aged 15-74 by sex 2020/III - 2021/III.....	30

Appendix table 33. Proportion of part-time employed persons in all employed persons aged 15-74 by sex 2020/III - 2021/III, %.....	30
Appendix table 34. Employees aged 15-74 by industry (TOL 2008) 2020/III - 2021/III.....	31
Appendix table 35. Hours actually worked of employees aged 15-74 by industry (TOL 2008) 2020/III - 2021/III.....	33
Appendix table 36. Employees aged 15-74 by type of employment relationship 2020/III - 2021/III.....	34
Appendix table 37. Employees aged 15-74 by type of employment relationship 2020/III - 2021/III, %.....	34
Appendix table 38. Different types of employment relationships less than 12 month's duration 2020/III - 2021/III, persons aged 15-74.....	35
Appendix table 39. Different types of employment relationships less than 12 month's duration 2020/III - 2021/III, persons aged 15-74, %.....	35
Appendix table 40. Unemployed persons by sex and age 2020/III - 2021/III.....	36
Appendix table 41. Unemployment rate by sex and age 2020/III - 2021/III.....	37
Appendix table 42. Unemployment rates by Regional State Administrative Agencies (AVI) 2020/III - 2021/III.....	37
Appendix table 43. Unemployment rates by region (2011) 2020/III - 2021/III.....	38

## Figures

### Appendix figures 2021, September

Appendix figure 1. Employment rate and trend of employment rate 2011/09–2021/09, persons aged 15–64.....	39
Appendix figure 2. Unemployment rate and trend of unemployment rate 2011/09–2021/09, persons aged 15–74.....	39

Quality Description: Labour force survey.....	40
---	----

# Appendix tables 2021, September

**Appendix table 1. Key indicators in the Labour Force Survey by sex 2020/09 - 2021/09**

		Year/Month		Change
		2020/09	2021/09	2020/09 - 2021/09
		Per cent, %	Per cent, %	Percentage points
Indicator	Sex			
Employment rate, persons aged 15-64	Both sexes	71,3	71,7	0,5
	Males	72,8	71,3	-1,5
	Females	69,7	72,2	2,5
Unemployment rate, persons aged 15-74	Both sexes	7,5	7,0	-0,4
	Males	7,6	7,5	-0,1
	Females	7,3	6,5	-0,8
Activity rate, persons aged 15-74	Both sexes	65,6	65,9	0,3
	Males	68,5	67,5	-1,0
	Females	62,8	64,4	1,6

**Appendix table 2. Population aged 15-74 by labour force status and sex 2020/09 - 2021/09**

		Year/Month		Change	Change
		2020/09	2021/09	2020/09 - 2021/09	2020/09 - 2021/09
		1000 persons	1000 persons	1000 persons	Per cent, %
Sex	Labour force status				
Both sexes	Population total	4 134	4 122	-12	-0,3
	Active population total	2 713	2 718	5	0,2
	- employed	2 510	2 527	17	0,7
	- unemployed	203	191	-11	-5,6
	Inactive population	1 421	1 404	-17	-1,2
Males	Population total	2 079	2 076	-3	-0,2
	Active population total	1 423	1 400	-23	-1,6
	- employed	1 315	1 295	-20	-1,5
	- unemployed	108	106	-3	-2,6
	Inactive population	656	676	20	3,0
Females	Population total	2 055	2 047	-8	-0,4
	Active population total	1 290	1 318	28	2,2
	- employed	1 196	1 233	37	3,1
	- unemployed	94	86	-9	-9,1
	Inactive population	765	728	-37	-4,8



**Appendix table 3. Population by sex and age 2020/09 - 2021/09**

		Year/Month		Change	Change
		2020/09	2021/09	2020/09 - 2021/09	2020/09 - 2021/09
		1000 persons	1000 persons	1000 persons	Per cent, %
Sex	Age group				
Both sexes	15-74	4 134	4 122	-12	-0,3
	15-64	3 418	3 417	-1	0,0
	15-24	607	607	0	0,0
	25-34	708	710	2	0,3
	35-44	711	714	3	0,4
	45-54	667	664	-2	-0,4
	55-64	726	722	-4	-0,6
	65-74	716	705	-10	-1,4
Males	15-74	2 079	2 076	-3	-0,2
	15-64	1 742	1 747	5	0,3
	15-24	316	309	-7	-2,2
	25-34	363	364	1	0,3
	35-44	366	368	1	0,4
	45-54	337	343	6	1,8
	55-64	359	363	3	1,0
	65-74	337	329	-8	-2,5
Females	15-74	2 055	2 047	-8	-0,4
	15-64	1 677	1 670	-6	-0,4
	15-24	291	298	7	2,5
	25-34	345	345	1	0,3
	35-44	345	347	2	0,5
	45-54	330	321	-9	-2,6
	55-64	367	359	-8	-2,1
	65-74	379	377	-2	-0,5

**Appendix table 4. Active population by sex and age 2020/09 - 2021/09**

		Year/Month		Change	Change
		2020/09	2021/09	2020/09 - 2021/09	2020/09 - 2021/09
		1000 persons	1000 persons	1000 persons	Per cent, %
Sex	Age group				
Both sexes	15-74	2 713	2 718	5	0,2
	15-64	2 638	2 639	1	0,1
	15-24	274	282	8	2,7
	25-34	592	586	-6	-1,0
	35-44	627	637	9	1,5
	45-54	609	596	-12	-2,0
	55-64	536	539	3	0,6
	65-74	75	79	4	5,2
Males	15-74	1 423	1 400	-23	-1,6
	15-64	1 376	1 350	-26	-1,9
	15-24	140	134	-6	-4,0
	25-34	324	321	-4	-1,1
	35-44	332	325	-7	-2,1
	45-54	306	307	0	0,1
	55-64	274	264	-10	-3,7
	65-74	47	50	3	6,0
Females	15-74	1 290	1 318	28	2,2
	15-64	1 262	1 289	27	2,2
	15-24	134	148	13	9,8
	25-34	268	265	-3	-0,9
	35-44	295	311	16	5,6
	45-54	302	290	-13	-4,2
	55-64	262	275	13	5,0
	65-74	28	29	1	3,8

**Appendix table 5. Activity rates by sex and age 2020/09 - 2021/09**

		Year/Month		Change
		2020/09	2021/09	2020/09 - 2021/09
		Per cent, %	Per cent, %	Percentage points
Sex	Age group			
Both sexes	15-74	65,6	65,9	0,3
	15-64	77,2	77,2	0,1
	15-24	45,2	46,5	1,2
	25-34	83,6	82,5	-1,1
	35-44	88,2	89,1	0,9
	45-54	91,3	89,8	-1,5
	55-64	73,8	74,6	0,9
	65-74	10,5	11,2	0,7
Males	15-74	68,5	67,5	-1,0
	15-64	79,0	77,3	-1,7
	15-24	44,4	43,5	-0,8
	25-34	89,2	87,9	-1,3
	35-44	90,6	88,4	-2,2
	45-54	90,9	89,3	-1,5
	55-64	76,2	72,7	-3,5
	65-74	13,9	15,2	1,2
Females	15-74	62,8	64,4	1,6
	15-64	75,3	77,2	1,9
	15-24	46,2	49,5	3,3
	25-34	77,7	76,7	-0,9
	35-44	85,6	89,9	4,3
	45-54	91,8	90,3	-1,5
	55-64	71,5	76,7	5,2
	65-74	7,4	7,7	0,3

**Appendix table 6. Employed persons by sex and age 2020/09 - 2021/09**

		Year/Month		Change	Change
		2020/09	2021/09	2020/09 - 2021/09	2020/09 - 2021/09
		1000 persons	1000 persons	1000 persons	Per cent, %
Sex	Age group				
Both sexes	15-74	2 510	2 527	17	0,7
	15-64	2 436	2 451	15	0,6
	15-24	236	253	17	7,4
	25-34	548	534	-15	-2,7
	35-44	587	604	17	2,9
	45-54	577	561	-16	-2,8
	55-64	488	499	11	2,3
	65-74	74	76	2	2,8
Males	15-74	1 315	1 295	-20	-1,5
	15-64	1 268	1 245	-23	-1,8
	15-24	118	120	2	1,9
	25-34	300	284	-16	-5,4
	35-44	314	311	-3	-1,1
	45-54	290	287	-3	-1,1
	55-64	246	243	-2	-1,0
	65-74	47	49	3	6,0
Females	15-74	1 196	1 233	37	3,1
	15-64	1 168	1 206	38	3,2
	15-24	117	133	15	12,9
	25-34	248	250	2	0,6
	35-44	272	293	21	7,6
	45-54	288	275	-13	-4,5
	55-64	242	256	13	5,5
	65-74	28	27	-1	-2,5

**Appendix table 7. Employment rates by sex and age 2020/09 - 2021/09**

		Year/Month		Change
		2020/09	2021/09	2020/09 - 2021/09
		Per cent, %	Per cent, %	Percentage points
Sex	Age group			
Both sexes	15-74	60,7	61,3	0,6
	15-64	71,3	71,7	0,5
	15-24	38,8	41,7	2,9
	25-34	77,5	75,2	-2,3
	35-44	82,5	84,5	2,0
	45-54	86,6	84,5	-2,1
	55-64	67,2	69,2	1,9
	65-74	10,4	10,8	0,4
Males	15-74	63,2	62,4	-0,9
	15-64	72,8	71,3	-1,5
	15-24	37,4	39,0	1,6
	25-34	82,7	78,0	-4,7
	35-44	85,8	84,5	-1,3
	45-54	86,0	83,5	-2,5
	55-64	68,4	67,0	-1,3
	65-74	13,8	15,0	1,2
Females	15-74	58,2	60,2	2,0
	15-64	69,7	72,2	2,5
	15-24	40,4	44,5	4,1
	25-34	72,0	72,2	0,3
	35-44	79,0	84,6	5,5
	45-54	87,3	85,5	-1,7
	55-64	66,1	71,3	5,2
	65-74	7,3	7,2	-0,1

**Appendix table 8. Employed persons aged 15-74 by status in employment 2020/09 - 2021/09**

	Year/Month		Change	Change
	2020/09	2021/09	2020/09 - 2021/09	2020/09 - 2021/09
	1000 persons	1000 persons	1000 persons	Per cent, %
Status in employment				
Employed persons total	2 510	2 527	17	0,7
Employees total	2 165	2 171	6	0,3
Self-employed persons and unpaid family workers	345	356	11	3,2

**Appendix table 9. Employed persons aged 15-74 by employer sector 2020/09 - 2021/09**

	Year/Month		Change	Change
	2020/09	2021/09	2020/09 - 2021/09	2020/09 - 2021/09
	1000 persons	1000 persons	1000 persons	Per cent, %
Employer sector				
Employer sector total (incl. employer sector unknown)	2 510	2 527	17	0,7
Private sector	1 874	1 887	13	0,7
Public sector	634	625	-9	-1,4
- central government	140	146	5	3,6
- local government	494	479	-14	-2,9

**Appendix table 10. Employed persons aged 15-74 by Regional State Administrative Agencies (AVI) 2020/09 - 2021/09**

	Year/Month		Change	Change
	2020/09	2021/09	2020/09 - 2021/09	2020/09 - 2021/09
	1000 persons	1000 persons	1000 persons	Per cent, %
Regional State Administrative Agencies				
Whole country (incl. Åland)	2 510	2 527	17	0,7
Southern Finland AVI	1 128	1 123	-5	-0,4
Southwestern Finland AVI	320	320	1	0,2
Eastern Finland AVI	223	220	-3	-1,2
Western and Inland Finland AVI	543	555	12	2,1
Northern Finland AVI	205	213	7	3,7
Lapland AVI	77	82	5	7,0

**Appendix table 11. Part-time employed persons aged 15-74 by sex 2020/09 - 2021/09**

	Year/Month		Change	Change
	2020/09	2021/09	2020/09 - 2021/09	2020/09 - 2021/09
	1000 persons	1000 persons	1000 persons	Per cent, %
Sex				
Both sexes	423	486	63	14,8
Males	173	179	6	3,5
Females	250	307	57	22,7

**Appendix table 12. Proportion of part-time employed persons in all employed persons aged 15-74 by sex 2020/09 - 2021/09, %**

	Year/Month		Change
	2020/09	2021/09	2020/09 - 2021/09
	Per cent, %	Per cent, %	Percentage points
Sex			
Both sexes	16,9	19,2	2,4
Males	13,1	13,8	0,7
Females	20,9	24,9	4,0

**Appendix table 13. Employees aged 15-74 by type of employment relationship 2020/09 - 2021/09**

	Year/Month		Change	
	2020/09	2021/09	2020/09 - 2021/09	2020/09 - 2021/09
	1000 persons	1000 persons	1000 persons	Per cent, %
Employment relationship				
Employees total	2 165	2 171	6	0,3
- permanent full-time work	1 628	1 561	-67	-4,1
- permanent part-time work	237	270	34	14,3
- temporary (fixed-term) full-time work	200	208	7	3,6
- temporary (fixed-term) part-time work	100	132	31	31,3
Temporary (fixed-term) work total	301	339	39	12,8
Part-time work total	337	402	65	19,3

**Appendix table 14. Employees aged 15-74 by type of employment relationship 2020/09 - 2021/09, %**

	Year/Month		Change
	2020/09	2021/09	2020/09 - 2021/09
	Per cent, %	Per cent, %	Percentage points
Employees total	100,0	100,0	0,0
- permanent full-time work	75,2	71,9	-3,3
- permanent part-time work	10,9	12,5	1,5
- temporary (fixed-term) full-time work	9,3	9,6	0,3
- temporary (fixed-term) part-time work	4,6	6,1	1,4
Temporary (fixed-term) work total	13,9	15,6	1,7
Part-time work total	15,6	18,5	3,0

**Appendix table 15. Unemployed persons by sex and age 2020/09 - 2021/09**

		Year/Month		Change	Change
		2020/09	2021/09	2020/09 - 2021/09	2020/09 - 2021/09
		1000 persons	1000 persons	1000 persons	Per cent, %
Sex	Age group				
Both sexes	15-74	203	191	-11	-5,6
	15-64	202	189	-13	-6,5
	15-24	39	29	-10	-25,5
	25-34	43	52	8	19,6
	35-44	40	33	-8	-19,0
	45-54	31	35	4	12,6
	55-64	48	40	-8	-16,9
Males	15-74	108	106	-3	-2,6
	15-64	108	105	-3	-2,7
	15-24	22	14	-8	-36,0
	25-34	24	36	13	52,8
	35-44	18	14	-3	-19,4
	45-54	16	20	4	21,5
	55-64	28	20	-8	-27,2
Females	15-74	94	86	-9	-9,1
	15-64	94	83	-10	-11,0
	15-24	17	15	-2	-12,1
	25-34	20	16	-4	-20,7
	35-44	23	18	-4	-18,6
	45-54	15	15	0	2,8
	55-64	20	19	0	-2,1



**Appendix table 16. Unemployment rates by sex and age 2020/09 - 2021/09**

		Year/Month		Change
		2020/09	2021/09	2020/09 - 2021/09
		Per cent, %	Per cent, %	Percentage points
Sex	Age group			
Both sexes	15-74	7,5	7,0	-0,4
	15-64	7,6	7,1	-0,5
	15-24	14,2	10,3	-3,9
	25-34	7,3	8,9	1,5
	35-44	6,5	5,2	-1,3
	45-54	5,1	5,9	0,8
	55-64	8,9	7,4	-1,5
Males	15-74	7,6	7,5	-0,1
	15-64	7,8	7,8	-0,1
	15-24	15,7	10,4	-5,2
	25-34	7,3	11,3	4,0
	35-44	5,4	4,4	-0,9
	45-54	5,4	6,5	1,1
	55-64	10,2	7,7	-2,5
Females	15-74	7,3	6,5	-0,8
	15-64	7,4	6,5	-1,0
	15-24	12,6	10,1	-2,5
	25-34	7,3	5,9	-1,5
	35-44	7,7	5,9	-1,8
	45-54	4,9	5,3	0,4
	55-64	7,5	7,0	-0,5

**Appendix table 17. Unemployment rates by Regional State Administrative Agencies (AVI) 2020/09 - 2021/09, persons aged 15-74**

	Year/Month		Change
	2020/09	2021/09	2020/09 - 2021/09
	Per cent, %	Per cent, %	Percentage points
Regional State Administrative Agencies			
Whole country (incl. Åland)	7,5	7,0	-0,4
Southern Finland AVI	7,6	7,5	-0,1
Southwestern Finland AVI	6,2	6,7	0,5
Eastern Finland AVI	9,9	9,7	-0,2
Western and Inland Finland AVI	5,8	6,4	0,6
Northern Finland AVI	9,5	4,9	-4,7
Lapland AVI	.	.	.

**Appendix table 18. Seasonally adjusted trends 2021/09**

	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, %
2019/09	2 538	71,7	183	242	6,7	17,9
2019/10	2 543	71,9	183	241	6,7	17,9
2019/11	2 548	72,1	183	241	6,7	17,9
2019/12	2 554	72,3	183	241	6,7	18,0
2020/01	2 559	72,5	182	242	6,7	18,1
2020/02	2 563	72,7	182	242	6,7	18,2
2020/03	2 463	69,9	182	303	6,7	18,4
2020/04	2 460	69,8	182	305	6,7	18,6
2020/05	2 455	69,7	224	306	8,4	18,6
2020/06	2 454	69,6	223	308	8,3	18,7
2020/07	2 458	69,6	225	308	8,4	18,8
2020/08	2 464	69,8	227	308	8,4	19,0
2020/09	2 469	69,9	226	310	8,3	19,0
2020/10	2 475	70,1	224	313	8,2	19,2
2020/11	2 480	70,2	223	314	8,2	19,4
2020/12	2 487	70,4	223	315	8,1	19,4
2021/01	2 495	70,6	221	315	8,1	19,2
2021/02	2 504	70,8	219	315	8,0	18,9
2021/03	2 513	71,1	219	315	8,0	18,6
2021/04	2 524	71,4	220	313	8,0	18,3
2021/05	2 537	71,8	220	309	8,0	17,9
2021/06	2 548	72,2	218	304	7,9	17,3
2021/07	2 553	72,3	215	300	7,8	16,8
2021/08	2 555	72,4	212	296	7,7	16,4
2021/09	2 557	72,5	211	290	7,6	16,1

## Appendix tables 2021, 3rd quarter

**Appendix table 19. Key indicators in the Labour Force Survey by sex 2020/III - 2021/III**

		Year/Quarter		Change
		2020/III	2021/III	2020/III - 2021/III
		Per cent, %	Per cent, %	Percentage points
Indicator	Sex			
Employment rate, persons aged 15-64	Both sexes	71,4	73,2	1,8
	Males	72,8	73,6	0,8
	Females	70,0	72,8	2,8
Unemployment rate, persons aged 15-74	Both sexes	7,6	6,9	-0,7
	Males	7,6	7,1	-0,5
	Females	7,6	6,7	-0,9
Activity rate, persons aged 15-74	Both sexes	65,9	67,2	1,3
	Males	68,6	69,3	0,7
	Females	63,2	65,1	1,9

**Appendix table 20. Population aged 15-74 by labour force status and sex 2020/III - 2021/III**

		Year/Quarter		Change	Change
		2020/III	2021/III	2020/III - 2021/III	2020/III - 2021/III
		1000 persons	1000 persons	1000 persons	Per cent, %
Sex	Labour force status				
Both sexes	Population total	4 136	4 122	-13	-0,3
	Active population total	2 726	2 771	45	1,7
	- employed	2 519	2 580	61	2,4
	- unemployed	207	191	-16	-7,8
	Inactive population	1 410	1 352	-58	-4,1
Males	Population total	2 080	2 076	-4	-0,2
	Active population total	1 426	1 438	12	0,8
	- employed	1 318	1 336	18	1,4
	- unemployed	108	101	-6	-5,8
	Inactive population	654	638	-16	-2,5
Females	Population total	2 056	2 047	-9	-0,4
	Active population total	1 300	1 333	33	2,6
	- employed	1 201	1 244	43	3,6
	- unemployed	99	89	-10	-10,0
	Inactive population	756	714	-42	-5,6

**Appendix table 21. Population by sex and age 2020/III - 2021/III**

		Year/Quarter		Change	Change
		2020/III	2021/III	2020/III - 2021/III	2020/III - 2021/III
		1000 persons	1000 persons	1000 persons	Per cent, %
Sex	Age group				
Both sexes	15-74	4 136	4 122	-13	-0,3
	15-64	3 419	3 417	-2	-0,1
	15-24	607	607	-0	-0,1
	25-34	708	710	2	0,3
	35-44	710	714	3	0,5
	45-54	667	664	-3	-0,4
	55-64	727	722	-4	-0,6
	65-74	717	706	-11	-1,6
Males	15-74	2 080	2 076	-4	-0,2
	15-64	1 741	1 746	5	0,3
	15-24	315	311	-3	-1,1
	25-34	359	365	6	1,6
	35-44	364	366	1	0,4
	45-54	342	343	1	0,2
	55-64	361	361	1	0,2
	65-74	339	330	-9	-2,7
Females	15-74	2 056	2 047	-9	-0,4
	15-64	1 678	1 671	-7	-0,4
	15-24	292	296	3	1,1
	25-34	348	345	-4	-1,0
	35-44	346	348	2	0,6
	45-54	325	321	-3	-1,1
	55-64	366	361	-5	-1,3
	65-74	378	376	-2	-0,6

**Appendix table 22. Active population by sex and age 2020/III - 2021/III**

		Year/Quarter		Change	Change
		2020/III	2021/III	2020/III - 2021/III	2020/III - 2021/III
		1000 persons	1000 persons	1000 persons	Per cent, %
Sex	Age group				
Both sexes	15-74	2 726	2 771	45	1,7
	15-64	2 648	2 689	42	1,6
	15-24	314	317	3	0,9
	25-34	584	599	15	2,5
	35-44	630	635	5	0,8
	45-54	597	602	5	0,8
	55-64	523	537	14	2,7
	65-74	78	82	4	4,6
Males	15-74	1 426	1 438	12	0,8
	15-64	1 375	1 385	11	0,8
	15-24	157	155	-2	-1,5
	25-34	321	321	-0	-0,1
	35-44	332	332	1	0,3
	45-54	303	309	6	1,8
	55-64	261	268	7	2,6
	65-74	51	52	1	2,6
Females	15-74	1 300	1 333	33	2,6
	15-64	1 273	1 304	31	2,4
	15-24	157	162	5	3,2
	25-34	263	278	15	5,7
	35-44	298	302	4	1,4
	45-54	294	293	-1	-0,3
	55-64	261	269	7	2,9
	65-74	27	29	2	8,5

**Appendix table 23. Activity rates by sex and age 2020/III - 2021/III**

		Year/Quarter		Change
		2020/III	2021/III	2020/III - 2021/III
		Per cent, %	Per cent, %	Percentage points
Sex	Age group			
Both sexes	15-74	65,9	67,2	1,3
	15-64	77,4	78,7	1,3
	15-24	51,7	52,2	0,5
	25-34	82,6	84,4	1,9
	35-44	88,6	88,9	0,3
	45-54	89,5	90,6	1,1
	55-64	71,9	74,3	2,4
	65-74	10,9	11,6	0,7
Males	15-74	68,6	69,3	0,7
	15-64	79,0	79,3	0,4
	15-24	50,0	49,8	-0,2
	25-34	89,3	87,9	-1,4
	35-44	91,0	90,9	-0,1
	45-54	88,7	90,2	1,5
	55-64	72,5	74,2	1,7
	65-74	15,1	15,9	0,8
Females	15-74	63,2	65,1	1,9
	15-64	75,9	78,0	2,2
	15-24	53,6	54,7	1,1
	25-34	75,6	80,7	5,2
	35-44	86,1	86,9	0,7
	45-54	90,4	91,1	0,7
	55-64	71,4	74,4	3,0
	65-74	7,1	7,8	0,7

**Appendix table 24. Employed persons by sex and age 2020/III - 2021/III**

		Year/Quarter		Change	Change
		2020/III	2021/III	2020/III - 2021/III	2020/III - 2021/III
		1000 persons	1000 persons	1000 persons	Per cent, %
Sex	Age group				
Both sexes	15-74	2 519	2 580	61	2,4
	15-64	2 442	2 501	59	2,4
	15-24	265	286	22	8,1
	25-34	538	552	15	2,8
	35-44	591	599	8	1,4
	45-54	566	568	2	0,3
	55-64	483	495	12	2,6
	65-74	77	79	2	2,9
Males	15-74	1 318	1 336	18	1,4
	15-64	1 267	1 285	17	1,4
	15-24	128	142	13	10,2
	25-34	298	292	-6	-2,1
	35-44	314	315	1	0,3
	45-54	286	290	4	1,3
	55-64	241	246	6	2,4
	65-74	51	52	1	1,9
Females	15-74	1 201	1 244	43	3,6
	15-64	1 174	1 216	42	3,6
	15-24	136	145	8	6,2
	25-34	240	261	21	8,8
	35-44	277	284	7	2,7
	45-54	280	278	-2	-0,6
	55-64	242	249	7	2,7
	65-74	26	28	1	5,0

**Appendix table 25. Employment rates by sex and age 2020/III - 2021/III**

		Year/Quarter		Change
		2020/III	2021/III	2020/III - 2021/III
		Per cent, %	Per cent, %	Percentage points
Sex	Age group			
Both sexes	15-74	60,9	62,6	1,7
	15-64	71,4	73,2	1,8
	15-24	43,6	47,2	3,6
	25-34	76,0	77,8	1,9
	35-44	83,2	84,0	0,8
	45-54	84,9	85,5	0,7
	55-64	66,4	68,5	2,1
	65-74	10,7	11,2	0,5
Males	15-74	63,4	64,4	1,0
	15-64	72,8	73,6	0,8
	15-24	40,8	45,5	4,7
	25-34	82,9	79,9	-3,0
	35-44	86,3	86,2	-0,1
	45-54	83,6	84,5	0,9
	55-64	66,7	68,2	1,5
	65-74	14,9	15,6	0,7
Females	15-74	58,4	60,8	2,4
	15-64	70,0	72,8	2,8
	15-24	46,5	48,9	2,4
	25-34	68,8	75,7	6,9
	35-44	79,9	81,6	1,7
	45-54	86,2	86,6	0,4
	55-64	66,1	68,9	2,7
	65-74	7,0	7,3	0,4

**Appendix table 26. Employed persons aged 15-74 by status in employment 2020/III - 2021/III**

	Year/Quarter		Change	Change
	2020/III	2021/III	2020/III - 2021/III	2020/III - 2021/III
	1000 persons	1000 persons	1000 persons	Per cent, %
Status in employment				
Employed persons total	2 519	2 580	61	2,4
Employees total	2 180	2 218	38	1,8
Self-employed persons and unpaid family workers	339	362	23	6,8



**Appendix table 27. Employed persons aged 15-74 by employer sector 2020/III - 2021/III**

	Year/Quarter		Change	Change
	2020/III	2021/III	2020/III - 2021/III	2020/III - 2021/III
	1000 persons	1000 persons	1000 persons	Per cent, %
Employer sector				
Employer sector total (incl. employer sector unknown)	2 519	2 580	61	2,4
Private sector	1 893	1 948	55	2,9
Public sector	621	614	-7	-1,1
- central government	147	150	2	1,4
- local government	473	464	-9	-1,9

**Appendix table 28. Employed persons aged 15-74 by industry (TOL 2008) 2020/III - 2021/III**

		Year/Quarter		Change	Change
		2020/III	2021/III	2020/III - 2021/III	2020/III - 2021/III
		1000 persons	1000 persons	1000 persons	Per cent, %
Industry	TOL 2008				
Industries total	00-99	2 519	2 580	61	2,4
A, B Agriculture, forestry and fishing; mining and quarrying	01-09	104	108	4	3,6
Agriculture	01	69	74	5	6,8
C Manufacturing	10-33	332	330	-1	-0,4
Manufacture of food products, beverages and textiles	10-15	46	47	1	2,1
Manufacture of wood products, paper and paper products; printing and reproduction of recorded media	16-18	44	45	1	2,6
Manufacture of chemicals and chemical products and basic pharmaceutical products	19-23	48	50	2	4,9
Manufacture of basic metals and of fabricated metal products, except machinery and equipment	24-25	55	52	-3	-6,1
Manufacture of electronic and optical products, electrical equipment, machinery and vehicles	26-30	106	102	-5	-4,3
Manufacture of furniture, other manufacturing; repair and installation of machinery and equipment	31-33	32	35	2	6,7
D, E Electricity, gas, steam and air conditioning and water supply; sewerage and waste management	35-39	29	29	-0	-1,1
F Construction	41-43	206	193	-13	-6,2
Construction of buildings	41	79	70	-10	-12,1
Specialised construction activities	43	106	102	-3	-3,2
G Wholesale and retail trade; repair of motor vehicles and motorcycles	45-47	273	291	19	6,9
Wholesale and retail trade and repair of motor vehicles and motorcycles	45	42	44	2	5,7
Wholesale trade, except of motor vehicles and motorcycles	46	92	80	-12	-13,2
Retail trade, except of motor vehicles and motorcycles	47	139	167	29	20,6
H Transportation and storage	49-53	139	137	-2	-1,7
Land, water and air transport	49-51	89	83	-6	-6,6
Warehousing and support activities for transportation; postal and courier activities	52-53	50	53	4	7,2
I Accommodation and food service activities	55-56	87	89	2	2,1
J Information and communication	58-63	124	127	3	2,2
K, L Financial, insurance and real estate activities	64-68	80	75	-4	-5,5
M Professional, scientific and technical activities	69-75	184	186	3	1,4
Architectural and engineering activities; technical testing and analysis	71	70	76	6	8,7
N Administrative and support service activities	77-82	122	132	9	7,8
Services to buildings and landscape activities	81	79	74	-5	-6,6
O Public administration and defence; compulsory social security	84	113	119	6	5,1
P Education	85	171	172	1	0,7
Q Human health and social work activities	86-88	398	406	8	2,1
Human health activities	86	180	175	-5	-3,0

		Year/Quarter		Change	Change
		2020/III	2021/III	2020/III - 2021/III	2020/III - 2021/III
		1000 persons	1000 persons	1000 persons	Per cent, %
Residential care activities	87	92	91	-1	-1,4
Social work activities without accommodation	88	126	141	15	11,8
R Arts, entertainment and recreation	90-93	63	68	5	8,4
S-U Other service activities	94-99	87	102	15	16,9
X Industry unknown	00	8	16	.	.

**Appendix table 29. Hours actually worked of employed persons aged 15-74 by industry (TOL 2008)  
2020/III - 2021/III**

		Year/Quarter		Change	Change
		2020/III	2021/III	2020/III - 2021/III	2020/III - 2021/III
		Million hours	Million hours	Million hours	Per cent, %
Industry	TOL 2008				
Industries total	00-99	967,7	974,9	7,2	0,7
A, B Agriculture, forestry and fishing; mining and quarrying	01-09	55,5	54,5	-1,0	-1,8
Agriculture	01	41,3	40,5	-0,8	-1,9
C Manufacturing	10-33	130,2	129,0	-1,2	-1,0
Manufacture of food products, beverages and textiles	10-15	19,2	18,4	-0,8	-4,2
Manufacture of wood products, paper and paper products; printing and reproduction of recorded media	16-18	17,4	18,5	1,1	6,4
Manufacture of chemicals and chemical products and basic pharmaceutical products	19-23	18,4	20,1	1,7	9,0
Manufacture of basic metals and of fabricated metal products, except machinery and equipment	24-25	22,0	19,1	-2,9	-13,3
Manufacture of electronic and optical products, electrical equipment, machinery and vehicles	26-30	39,6	38,3	-1,2	-3,1
Manufacture of furniture, other manufacturing; repair and installation of machinery and equipment	31-33	13,6	14,6	0,9	6,9
D, E Electricity, gas, steam and air conditioning and water supply; sewerage and waste management	35-39	11,5	11,3	-0,2	-1,8
F Construction	41-43	94,6	85,0	-9,6	-10,2
Construction of buildings	41	35,2	30,5	-4,6	-13,2
Specialised construction activities	43	49,3	45,1	-4,2	-8,5
G Wholesale and retail trade; repair of motor vehicles and motorcycles	45-47	106,8	110,8	4,0	3,7
Wholesale and retail trade and repair of motor vehicles and motorcycles	45	19,6	18,9	-0,7	-3,4
Wholesale trade, except of motor vehicles and motorcycles	46	35,9	30,8	-5,0	-14,1
Retail trade, except of motor vehicles and motorcycles	47	51,4	61,0	9,7	18,9
H Transportation and storage	49-53	55,9	53,1	-2,8	-5,1
Land, water and air transport	49-51	38,8	35,5	-3,3	-8,6
Warehousing and support activities for transportation; postal and courier activities	52-53	17,1	17,6	0,5	2,8
I Accommodation and food service activities	55-56	33,4	32,6	-0,8	-2,5
J Information and communication	58-63	46,2	45,1	-1,1	-2,3
K, L Financial, insurance and real estate activities	64-68	30,2	26,3	-3,9	-12,9
M Professional, scientific and technical activities	69-75	67,5	68,5	0,9	1,4
Architectural and engineering activities; technical testing and analysis	71	26,6	27,4	0,8	3,1
N Administrative and support service activities	77-82	48,0	50,6	2,6	5,4
Services to buildings and landscape activities	81	32,1	28,6	-3,5	-10,8
O Public administration and defence; compulsory social security	84	40,9	44,4	3,5	8,5
P Education	85	50,9	55,3	4,4	8,7
Q Human health and social work activities	86-88	142,2	146,0	3,9	2,7

		Year/Quarter		Change	Change
		2020/III	2021/III	2020/III - 2021/III	2020/III - 2021/III
		Million hours	Million hours	Million hours	Per cent, %
Human health activities	86	63,9	64,3	0,4	0,6
Residential care activities	87	36,0	34,5	-1,4	-4,0
Social work activities without accommodation	88	42,3	47,2	4,9	11,6
R Arts, entertainment and recreation	90-93	21,0	22,7	1,8	8,5
S-U Other service activities	94-99	30,0	33,4	3,4	11,5
X Industry unknown	00	2,8	6,2	.	.

**Appendix table 30. Employed persons aged 15-74 by Regional State Administrative Agencies (AVI) 2020/III - 2021/III**

	Year/Quarter		Change	Change
	2020/III	2021/III	2020/III - 2021/III	2020/III - 2021/III
	1000 persons	1000 persons	1000 persons	Per cent, %
Regional State Administrative Agencies				
Whole country (incl. Åland)	2 519	2 580	61	2,4
Southern Finland AVI	1 118	1 142	24	2,1
Southwestern Finland AVI	321	326	5	1,5
Eastern Finland AVI	232	234	2	1,1
Western and Inland Finland AVI	555	572	16	3,0
Northern Finland AVI	203	212	9	4,3
Lapland AVI	73	79	6	7,9

**Appendix table 31. Employed persons aged 15-74 by region (2011) 2020/III - 2021/III**

	Year/Quarter		Change	Change
	2020/III	2021/III	2020/III - 2021/III	2020/III - 2021/III
	1000 persons	1000 persons	1000 persons	Per cent, %
Region				
Whole country (incl. Åland)	2 519	2 580	61	2,4
Uusimaa	833	862	29	3,4
Southwest Finland	229	230	1	0,6
Satakunta	92	96	4	3,9
Kanta-Häme	77	72	-5	-6,5
Pirkanmaa	238	250	13	5,3
Päijät-Häme	87	87	-0	-0,1
Kymenlaakso	72	71	-1	-1,7
South Karelia	49	50	1	2,9
South Savo	59	54	-5	-8,9
North Savo	106	111	6	5,2
North Karelia	67	69	2	3,3
Central Finland	116	120	5	4,3
South Ostrobothnia	89	88	-1	-1,3
Ostrobothnia	85	86	1	1,5
Central Ostrobothnia	29	28	-1	-3,7
North Ostrobothnia	174	186	11	6,6
Kainuu	29	26	-3	-9,4
Lapland	73	79	6	7,9

**Appendix table 32. Part-time employed persons aged 15-74 by sex 2020/III - 2021/III**

	Year/Quarter		Change	
	2020/III	2021/III	2020/III - 2021/III	2020/III - 2021/III
	1000 persons	1000 persons	1000 persons	Per cent, %
Sex				
Both sexes	398	465	67	16,8
Males	152	173	20	13,4
Females	245	292	46	18,9

**Appendix table 33. Proportion of part-time employed persons in all employed persons aged 15-74 by sex 2020/III - 2021/III, %**

	Year/Quarter		Change
	2020/III	2021/III	2020/III - 2021/III
	Per cent, %	Per cent, %	Percentage points
Sex			
Both sexes	15,8	18,0	2,2
Males	11,6	12,9	1,4
Females	20,4	23,5	3,0

**Appendix table 34. Employees aged 15-74 by industry (TOL 2008) 2020/III - 2021/III**

		Year/Quarter		Change	Change
		2020/III	2021/III	2020/III - 2021/III	2020/III - 2021/III
		1000 persons	1000 persons	1000 persons	Per cent, %
Industry	TOL 2008				
Industries total	00-99	2 180	2 218	38	1,8
A, B Agriculture, forestry and fishing; mining and quarrying	01-09	42	40	-3	-6,2
Agriculture	01	21	21	-0	-0,4
C Manufacturing	10-33	310	310	0	0,0
Manufacture of food products, beverages and textiles	10-15	41	41	-0	-0,7
Manufacture of wood products, paper and paper products; printing and reproduction of recorded media	16-18	40	43	3	7,3
Manufacture of chemicals and chemical products and basic pharmaceutical products	19-23	46	49	2	5,0
Manufacture of basic metals and of fabricated metal products, except machinery and equipment	24-25	51	49	-2	-4,5
Manufacture of electronic and optical products, electrical equipment, machinery and vehicles	26-30	104	99	-5	-4,8
Manufacture of furniture, other manufacturing; repair and installation of machinery and equipment	31-33	27	30	2	8,7
D, E Electricity, gas, steam and air conditioning and water supply; sewerage and waste management	35-39	28	28	-0	-0,3
F Construction	41-43	159	146	-13	-8,0
Construction of buildings	41	57	51	-6	-10,9
Specialised construction activities	43	81	75	-6	-7,3
G Wholesale and retail trade; repair of motor vehicles and motorcycles	45-47	239	252	13	5,4
Wholesale and retail trade and repair of motor vehicles and motorcycles	45	33	35	2	6,0
Wholesale trade, except of motor vehicles and motorcycles	46	83	71	-13	-15,2
Retail trade, except of motor vehicles and motorcycles	47	122	145	24	19,3
H Transportation and storage	49-53	122	119	-2	-1,8
Land, water and air transport	49-51	73	69	-5	-6,4
Warehousing and support activities for transportation; postal and courier activities	52-53	48	51	2	5,1
I Accommodation and food service activities	55-56	75	77	2	2,4
J Information and communication	58-63	113	114	1	1,3
K, L Financial, insurance and real estate activities	64-68	72	68	-5	-6,3
M Professional, scientific and technical activities	69-75	140	145	5	3,7
Architectural and engineering activities; technical testing and analysis	71	61	66	5	8,1
N Administrative and support service activities	77-82	106	116	10	9,8
Services to buildings and landscape activities	81	68	66	-3	-4,1
O Public administration and defence; compulsory social security	84	113	119	5	4,8
P Education	85	166	164	-2	-1,1
Q Human health and social work activities	86-88	377	381	5	1,3
Human health activities	86	163	157	-6	-3,7

		Year/Quarter		Change	Change
		2020/III	2021/III	2020/III - 2021/III	2020/III - 2021/III
		1000 persons	1000 persons	1000 persons	Per cent, %
Residential care activities	87	91	89	-2	-1,8
Social work activities without accommodation	88	123	135	12	10,1
R Arts, entertainment and recreation	90-93	48	51	3	5,6
S-U Other service activities	94-99	63	73	10	16,3
X Industry unknown	00	7	15	.	.



**Appendix table 35. Hours actually worked of employees aged 15-74 by industry (TOL 2008) 2020/III - 2021/III**

		Year/Quarter		Change	Change
		2020/III	2021/III	2020/III - 2021/III	2020/III - 2021/III
		Million hours	Million hours	Million hours	Per cent, %
Industry	TOL 2008				
Industries total	00-99	812,7	809,3	-3,3	-0,4
A, B Agriculture, forestry and fishing; mining and quarrying	01-09	20,0	17,9	-2,2	-10,8
Agriculture	01	10,3	9,7	-0,6	-6,2
C Manufacturing	10-33	119,8	119,2	-0,6	-0,5
Manufacture of food products, beverages and textiles	10-15	16,6	15,2	-1,4	-8,2
Manufacture of wood products, paper and paper products; printing and reproduction of recorded media	16-18	15,8	17,5	1,8	11,4
Manufacture of chemicals and chemical products and basic pharmaceutical products	19-23	17,7	19,3	1,6	9,2
Manufacture of basic metals and of fabricated metal products, except machinery and equipment	24-25	20,3	18,1	-2,2	-10,8
Manufacture of electronic and optical products, electrical equipment, machinery and vehicles	26-30	38,3	37,0	-1,3	-3,5
Manufacture of furniture, other manufacturing; repair and installation of machinery and equipment	31-33	11,2	12,1	0,9	8,0
D, E Electricity, gas, steam and air conditioning and water supply; sewerage and waste management	35-39	11,0	11,0	0,0	0,4
F Construction	41-43	70,9	59,9	-11,0	-15,5
Construction of buildings	41	24,4	20,5	-3,9	-16,1
Specialised construction activities	43	36,8	30,6	-6,2	-16,8
G Wholesale and retail trade; repair of motor vehicles and motorcycles	45-47	89,3	91,1	1,8	2,0
Wholesale and retail trade and repair of motor vehicles and motorcycles	45	15,1	14,5	-0,5	-3,6
Wholesale trade, except of motor vehicles and motorcycles	46	31,6	26,0	-5,6	-17,6
Retail trade, except of motor vehicles and motorcycles	47	42,7	50,6	7,9	18,5
H Transportation and storage	49-53	47,4	43,4	-4,0	-8,4
Land, water and air transport	49-51	31,1	26,4	-4,6	-14,9
Warehousing and support activities for transportation; postal and courier activities	52-53	16,3	16,9	0,7	4,0
I Accommodation and food service activities	55-56	26,7	26,1	-0,6	-2,3
J Information and communication	58-63	41,8	40,0	-1,8	-4,3
K, L Financial, insurance and real estate activities	64-68	27,0	23,4	-3,6	-13,4
M Professional, scientific and technical activities	69-75	52,5	53,9	1,4	2,7
Architectural and engineering activities; technical testing and analysis	71	23,7	23,9	0,2	0,8
N Administrative and support service activities	77-82	41,3	43,9	2,5	6,1
Services to buildings and landscape activities	81	27,8	25,1	-2,7	-9,6
O Public administration and defence; compulsory social security	84	40,9	44,1	3,2	7,9
P Education	85	49,5	52,6	3,1	6,3
Q Human health and social work activities	86-88	134,5	137,2	2,7	2,0

		Year/Quarter		Change	Change
		2020/III	2021/III	2020/III - 2021/III	2020/III - 2021/III
		Million hours	Million hours	Million hours	Per cent, %
Human health activities	86	58,7	58,6	0,0	-0,1
Residential care activities	87	34,8	33,5	-1,3	-3,7
Social work activities without accommodation	88	41,1	45,0	4,0	9,7
R Arts, entertainment and recreation	90-93	16,3	16,6	0,3	1,9
S-U Other service activities	94-99	21,4	23,9	2,5	11,8
X Industry unknown	00	2,4	5,3	.	.

**Appendix table 36. Employees aged 15-74 by type of employment relationship 2020/III - 2021/III**

	Year/Quarter		Change	Change
	2020/III	2021/III	2020/III - 2021/III	2020/III - 2021/III
	1000 persons	1000 persons	1000 persons	Per cent, %
Employment relationship				
Employees total	2 180	2 218	38	1,8
- permanent full-time work	1 607	1 573	-33	-2,1
- permanent part-time work	220	256	36	16,5
- temporary (fixed-term) full-time work	257	265	8	3,1
- temporary (fixed-term) part-time work	96	124	27	28,6
Temporary (fixed-term) work total	354	389	35	10,0
Part-time work total	316	380	64	20,2

**Appendix table 37. Employees aged 15-74 by type of employment relationship 2020/III - 2021/III, %**

	Year/Quarter		Change
	2020/III	2021/III	2020/III - 2021/III
	Per cent, %	Per cent, %	Percentage points
Employment relationship			
Employees total	100,0	100,0	0,0
- permanent full-time work	73,7	70,9	-2,8
- permanent part-time work	10,1	11,6	1,5
- temporary (fixed-term) full-time work	11,8	12,0	0,2
- temporary (fixed-term) part-time work	4,4	5,6	1,2
Temporary (fixed-term) work total	16,2	17,5	1,3
Part-time work total	14,5	17,1	2,6

**Appendix table 38. Different types of employment relationships less than 12 month's duration 2020/III - 2021/III, persons aged 15-74**

	Year/Quarter		Change	
	2020/III	2021/III	2020/III - 2021/III	2020/III - 2021/III
	1000 persons	1000 persons	1000 persons	Per cent, %
Employment relationship				
Employees total	462	511	48	10,5
- permanent full-time work	170	181	10	6,1
- permanent part-time work	49	66	17	36,0
- temporary (fixed-term) full-time work	173	181	8	4,8
- temporary (fixed-term) part-time work	70	83	12	17,2
Temporary (fixed-term) work total	244	264	20	8,4
Part-time work total	119	149	30	24,8

**Appendix table 39. Different types of employment relationships less than 12 month's duration 2020/III - 2021/III, persons aged 15-74, %**

	Year/Quarter		Change
	2020/III	2021/III	2020/III - 2021/III
	Per cent, %	Per cent, %	Percentage points
Employment relationship			
Employees total	100,0	100,0	0,0
- permanent full-time work	36,8	35,4	-1,5
- permanent part-time work	10,5	12,9	2,4
- temporary (fixed-term) full-time work	37,4	35,5	-1,9
- temporary (fixed-term) part-time work	15,2	16,2	0,9
Temporary (fixed-term) work total	52,7	51,7	-1,0
Part-time work total	25,7	29,1	3,4

**Appendix table 40. Unemployed persons by sex and age 2020/III - 2021/III**

		Year/Quarter		Change	Change
		2020/III	2021/III	2020/III - 2021/III	2020/III - 2021/III
		1000 persons	1000 persons	1000 persons	Per cent, %
Sex	Age group				
Both sexes	15-74	207	191	-16	-7,8
	15-64	206	188	-18	-8,5
	15-24	49	31	-19	-38,1
	25-34	47	47	-0	-0,3
	35-44	38	35	-3	-8,3
	45-54	31	34	3	8,8
	55-64	40	42	2	4,6
Males	15-74	108	101	-6	-5,8
	15-64	107	101	-7	-6,2
	15-24	29	13	-15	-53,6
	25-34	23	29	6	26,0
	35-44	17	17	-0	-0,5
	45-54	17	19	2	10,8
	55-64	21	22	1	4,5
Females	15-74	99	89	-10	-10,0
	15-64	99	88	-11	-11,1
	15-24	21	17	-3	-16,6
	25-34	24	17	-6	-26,0
	35-44	21	18	-3	-14,5
	45-54	14	15	1	6,4
	55-64	19	20	1	4,6

**Appendix table 41. Unemployment rate by sex and age 2020/III - 2021/III**

		Year/Quarter		Change
		2020/III	2021/III	2020/III - 2021/III
		Per cent, %	Per cent, %	Percentage points
Sex	Age group			
Both sexes	15-74	7,6	6,9	-0,7
	15-64	7,8	7,0	-0,8
	15-24	15,7	9,6	-6,1
	25-34	8,0	7,8	-0,2
	35-44	6,1	5,6	-0,6
	45-54	5,2	5,7	0,4
	55-64	7,6	7,8	0,1
Males	15-74	7,6	7,1	-0,5
	15-64	7,8	7,3	-0,5
	15-24	18,2	8,6	-9,6
	25-34	7,2	9,1	1,9
	35-44	5,1	5,1	0,0
	45-54	5,8	6,3	0,5
	55-64	8,0	8,1	0,2
Females	15-74	7,6	6,7	-0,9
	15-64	7,7	6,7	-1,0
	15-24	13,2	10,6	-2,5
	25-34	9,0	6,3	-2,7
	35-44	7,2	6,1	-1,1
	45-54	4,7	5,0	0,3
	55-64	7,3	7,4	0,1

**Appendix table 42. Unemployment rates by Regional State Administrative Agencies (AVI) 2020/III - 2021/III**

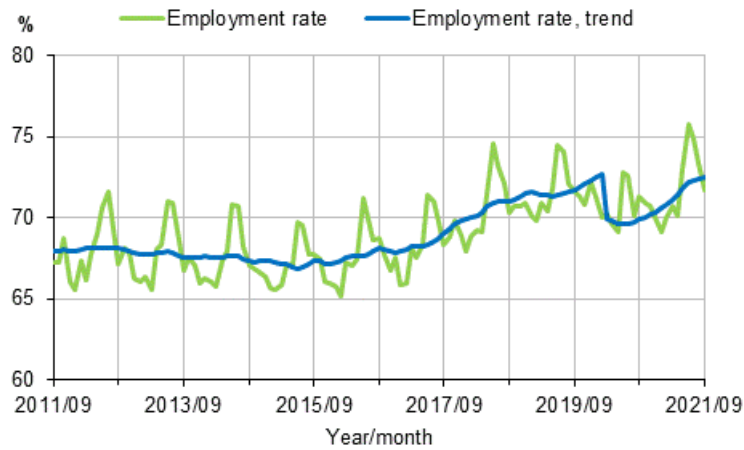
	Year/Quarter		Change
	2020/III	2021/III	2020/III - 2021/III
	Per cent, %	Per cent, %	Percentage points
Regional State Administrative Agencies			
Whole country (incl. Åland)	7,6	6,9	-0,7
Southern Finland AVI	7,7	7,1	-0,6
Southwestern Finland AVI	7,5	7,3	-0,2
Eastern Finland AVI	8,7	8,0	-0,7
Western and Inland Finland AVI	6,4	6,4	0,0
Northern Finland AVI	8,0	5,9	-2,1
Lapland AVI	11,2	6,0	-5,2

**Appendix table 43. Unemployment rates by region (2011) 2020/III - 2021/III**

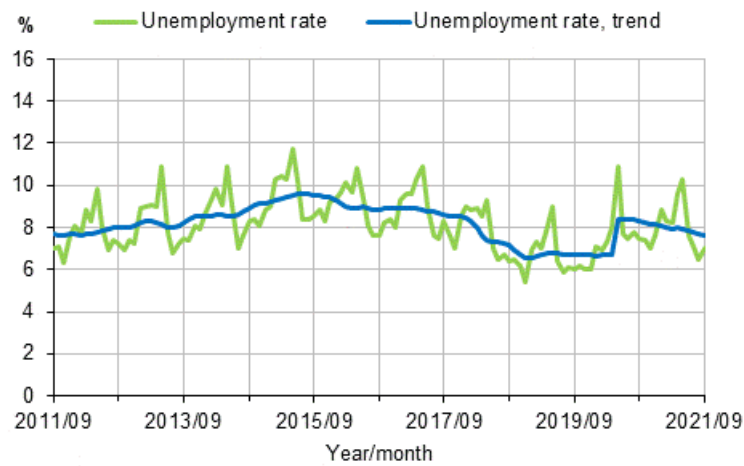
	Year/Quarter		Change
	2020/III	2021/III	2020/III - 2021/III
	Per cent, %	Per cent, %	Percentage points
Region			
Whole country (incl. Åland)	7,6	6,9	-0,7
Uusimaa	7,9	7,1	-0,8
Southwest Finland	7,6	7,2	-0,4
Satakunta	7,2	7,5	0,2
Kanta-Häme	5,3	5,4	0,1
Pirkanmaa	8,0	6,7	-1,3
Päijät-Häme	7,2	8,8	1,6
Kymenlaakso	6,8	5,5	-1,3
South Karelia	11,3	9,6	-1,7
South Savo	6,2	6,8	0,6
North Savo	6,9	6,8	-0,1
North Karelia	13,4	10,7	-2,8
Central Finland	7,7	9,3	1,6
South Ostrobothnia	3,0	5,6	2,5
Ostrobothnia	3,9	3,0	-0,9
Central Ostrobothnia	4,4	3,5	-0,9
North Ostrobothnia	8,5	5,4	-3,1
Kainuu	4,5	9,0	4,4
Lapland	11,2	6,0	-5,2

## Appendix figures 2021, September

**Appendix figure 1. Employment rate and trend of employment rate 2011/09–2021/09, persons aged 15–64**



**Appendix figure 2. Unemployment rate and trend of unemployment rate 2011/09–2021/09, 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 89. The data content of the Survey is based on an EU regulation, and the Survey sample includes approximately 12,500 persons every month.

At the beginning of 2021, the data content, data collection and estimation method of the Labour Force Survey were revised. The content of the questionnaire was harmonised more closely than before between different EU countries to improve the comparability of the data. The data content also extended when questions were added to the inquiry concerning the flexibility of working hours, the number of self-employed persons' customers and the working hours of secondary jobs. In addition, persons aged 75 to 89 were included in the survey as a new age group. The sample size of this age group is small and therefore data on the age group are not published on the monthly and quarterly levels. The monthly and quarterly Labour Force Survey data still concern the 15 to 74 age group.

The data collection method of the survey was renewed by offering the respondents the possibility to respond not only with telephone and face-to-face interviews but also with a web questionnaire. The new EU legislation, increased non-response and changes to the data collection method were taken into account in the formation of the sample and the calculation method of the results.

The information provided by the respondents is used to draw a picture of the activities of the entire population aged between 15 and 89 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 Labour Force 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 time series and trend time series are used to monitor long-term development and cyclical variation. 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 on the structure of households and the activities of all members of the household relative to the labour market.

The Labour Force Survey contains continuously collected data that are used as monthly, quarterly and annual data and data asked from a subsample that are used only as annual data. From 2021 onwards, some annual data are collected every two years. The Labour Force Survey also includes a section with a yearly changing topic. The topic is related to the labour market, such as young people, transition from work to retirement, accidents at work or reconciliation of work and family life. Some topics are repeated regularly every eight years. Every four years the questions are connected to a topical subject to be decided separately.

A description of the data content of the Labour Force Survey is available at:

[http://www.tilastokeskus.fi/til/tyti/tlu\\_en.html](http://www.tilastokeskus.fi/til/tyti/tlu_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 present data content of the Labour Force Survey is based on the European Union's Regulation on social statistics (1700/2019) and on Implementing Regulations 2019/2181, 2019/2240 and 2019/2241 concerning the labour force domain, on Delegated Regulation 2020/256 and on Delegated Regulation 2020/257.

A detailed description of the EU Labour Force Survey is available at:

[https://ec.europa.eu/eurostat/statistics-explained/index.php/EU\\_labour\\_force\\_survey](https://ec.europa.eu/eurostat/statistics-explained/index.php/EU_labour_force_survey).

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.

Concepts:

- **Employed** are persons who during the survey week have worked at least one hour against pay or entrepreneurial income. Persons temporarily absent from work during the survey week are also classified as employed if the reason for absence is maternity or paternity leave, own illness, holiday or a working hour arrangement; or the absence lasts under three months.

Main changes in the definition of an employed person from the beginning of 2021:

- Persons on parental leave receiving earnings-related support are classified as employed, even if the absence from work would have lasted over three months.
- A self-employed person or an unpaid worker in an enterprise of a family member is calculated in employed only if the absence from work has lasted under three months. Previously, self-employed persons were counted as employed regardless of the length or reason of 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 89 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](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), the Classification of Education 2016 (ISCED 2011) and the Nomenclature of the Classification of Sectors 2012 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 statistics are based on sample data collected monthly. The monthly sample consists of some 12,500 persons.

The population of the Labour Force Survey consists of persons aged between 15 and 89 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 12,500 persons, which is, on the average, every 370th 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.

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. In the last round, that is, the fifth round, the data content is wider, and in addition to the basic survey, the inquiry also includes the household section and a section with a yearly changing topic. The household interview is conducted to ascertain the members who belong to the household of the target person and the activity of the household members aged 15 to 89 on the labour market. In order that the data would describe the whole population, a supplementing sample is added to it of households in which all members are aged 90 or over. Children under the age of 15 and persons aged over 89 are not interviewed in the Labour Force Survey, but certain information is formed for them based on register data 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 2019, the household data comprised approximately 45,000 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 Labour Force Survey data are collected with computer-assisted telephone interviews conducted by Statistics Finland's interviewers and partly by face-to-face interviews and from 2021 onwards with a web questionnaire. According to the interviewee's choice, either Finnish, Swedish or English is used as the language of the questionnaire (starting from the statistical reference year 2014).

In the survey, all respondents receive a weighting coefficient which is used to make the respondents as representative of the population of the survey as possible. The weighting coefficient includes for each respondent information on the sampling design used and the method for correcting non-response based on additional information. The raising effect of the weighting coefficient makes it possible to examine the results at the level of the population. Then the weighting coefficient can be interpreted so that the person who responds to the survey represents the number of persons in the population indicated by their weight.

The weighting progresses through basic weighting to reweighting. The basic weighting is the starting point for reweighting and it takes into account the sampling design of the survey and the stratification used in it, as well as the number of respondents by stratum. The reweighting method uses calibration of weights, where the basic weights are improved by utilising the latest available population data and additional information available from other register sources. Population data are gender, age, region and language. Other additional information is obtained from the Employment Service Statistics of the Ministry of Economic Affairs and Employment, Statistics Finland's Register of Completed Education and Degrees, and the Tax Administration's Incomes Register. Calibration weights are formed with CALMAR2 software operating in SAS environment developed in France.

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 obtained by such a procedure.

Starting from 2021, a quarterly weight is used in the calculation of quarterly estimates, which is calculated by scaling the monthly weight of each month of the quarter in question to the average population of the quarter and by proportioning it to the number of survey weeks in the month. Annual estimates are averages of quarterly 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. In addition to the original series, we also publish from the Labour Force Survey seasonally adjusted series, from which seasonal variation that occurs in similar ways from one year to the next has been removed, as well as so-called trends from which irregular random variation has also been removed in addition to seasonal variation.

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. When using seasonally adjusted series and trend series it should be noted that in the Tramo/Seats method the latest months are partly based on model-based forecasts, so particular caution must be used in conclusions made based on them. Starting from June 2007, the trend components of the time series have been calculated with the Tramo/Seats method recommended by Eurostat, the Statistical Office of the European Communities. Further information about the trend and limitations in its use can be found at: [http://tilastokeskus.fi/til/tramo\\_seats\\_en.html](http://tilastokeskus.fi/til/tramo_seats_en.html).

### 3. Correctness and accuracy of data

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

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

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

Inaccuracy due to sampling is assessed with the **standard error** of the estimate. The magnitude of the standard error is influenced by the size of the sample and the variance of the variable being investigated. Standard error can be used to calculate the **confidence interval**, within which the value of the population lies with a certain probability. The **95 per cent confidence interval** used in the Labour Force Survey is **the interval within which the real value of the characteristic being investigated lies with 95 per cent probability**. For instance, if the estimate for the number of unemployed persons in a certain month is 230,000 and its standard error is 7,700, the 95 per cent confidence interval of the number of the unemployed is  $230,000 \pm 15,100$ , i.e. 214,900–245,100 persons. The share to be added to the estimate or deducted from

it, in this case 15,100, is obtained by multiplying the estimate's standard error with the 1.96 coefficient of the 95 per cent confidence interval. This share describes the inaccuracy caused by random variation due to sampling and is called the **margin of error**.

## 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. The monthly, quarterly and annual results describe the situation in the "average" week of the survey period in question. Data on labour input are sums of the results of periods. The released data are final. Only seasonal adjustment slightly alters the latest seasonally adjusted monthly results. Monthly data are released approximately three weeks from the end of the survey month. Quarterly data are released simultaneously with the last monthly data of each quarter. Quarterly data are statistically more reliable than monthly data and contain more detailed data on, among other things, employment and labour input by industry and more specific

regional data. The most detailed results are published in annual statistics. Quarterly deliveries of data are made to the Eurostat, the Statistical Office of the European Communities, which are used to compile statistics on EU Member States.

## 5. Accessibility and transparency/clarity of data

The results of the Labour Force Survey are published in the Labour market series of Official Statistics of Finland. The key monthly, quarterly and annual results are released on predefined days on the Internet on the home page of the Labour Force Survey [http://tilastokeskus.fi/til/tyti/index\\_en](http://tilastokeskus.fi/til/tyti/index_en). The links on the home page lead to, among other things, a description of the statistics, concepts and definitions as well as the free of charge tables from the statistical databases of the Labour Force Survey (StatFin). Data are also available over the Internet from Statistics Finland's chargeable time series database (ASTIKA). Eurostat publishes quarterly and annual Labour Force Survey data on its own website.

The final Labour Force Survey data concerning January and February 2020 and 2021 have been published in connection with the data for March and the 1st quarter. The previously released data were preliminary and part of them have been revised due to the adjustment of the estimation method. The data for March and the 1st quarter of 2021 are final.

Retrospectively corrected time series according to the new estimation method for the years 2009 to 2020 will be published during 2021.

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 a quality description. Results related to families and work are published every other year in the autumn. In addition to regular own publication activity, Labour Force Survey data are published in the Statistical Yearbook of Finland, the Women and Men in Finland pocket statistics, and in article publications on the labour market. 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 data protection description can be found at: [https://www.tilastokeskus.fi/meta/tietosuojaselosteet/tietosuojaseloste\\_tyovoimatutkimus\\_en.html](https://www.tilastokeskus.fi/meta/tietosuojaselosteet/tietosuojaseloste_tyovoimatutkimus_en.html)

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

## 6. Comparability of statistics

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

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

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

definition of an unemployed person was revised in May 1998 and the published time series were retrospectively revised to correspond with the new definitions starting from 1989.

In April 1999 the Labour Force Survey's data content was widened again with the combining of the monthly survey and the EU Labour Force Survey into a single, continuous Labour Force Survey. Since 1999 a harmonised EU ad hoc survey with annually changing topics has been conducted in connection with the 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. The definitions of some concepts also changed. The revisions were based on the EU regulations and their aim was to improve the comparability of the Labour Force Surveys of different EU Member States.

At the beginning of 2021, the data content, data collection and estimation method of the Labour Force Survey were revised. The content of the questionnaire was harmonised more closely than before between different EU countries to improve the comparability of the data. The data content also extended when new questions were added to the questionnaire. The most important changes related to questions about working hours and when a person is defined as employed. In future, for example, persons on parental leave who receive earnings-related support are classified as employed regardless of the length of absence.

In addition, persons aged 75 to 89 were included in the survey as a new age group. The sample size of this age group is small and therefore data on the age group are not published on the monthly and quarterly levels. The monthly and quarterly Labour Force Survey data still concern the 15 to 74 age group.

The data collection method of the survey was renewed by offering the respondents the possibility to respond not only with telephone and face-to-face interviews but also with a web questionnaire. The new EU legislation, increased non-response and changes to the data collection method were taken into account in the formation of the sample and the calculation method of the results.

The final Labour Force Survey data concerning January and February 2020 and 2021 have been published in connection with the data for March and the 1st quarter. The previously released data were preliminary and part of them have been revised due to the adjustment of the estimation method. The data for March and the 1st quarter of 2021 are final.

Retrospectively corrected time series according to the new estimation method for the years 2009 to 2020 will be published during 2021.

## 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.

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](http://tilastokeskus.fi/til/tyti/tyti_2019-09-13_men_001_en.html).

## Inquiries

Pertti Taskinen 029 551 2690

Tatu Leskinen 029 551 3285

Head of Department in  
charge:

Hannele Orjala

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

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

Source: Labour force survey 2021, September. Statistics Finland