

Labour Force Statistics

2007, September and 3rd quarter

Employment grew in September 2007

According to the Labour Force Survey of Statistics Finland, the number of **employed persons** in September was 2 472 000, or 34 000 higher than a year earlier. Employment increased in the private sector and remained nearly unchanged in the public sector. The share of wage and salary earners in continuous full-time employment was 74,8 per cent, whereas one year before it was 74,5 per cent. The number of employed persons went up in the Provinces of Southern and Western Finland and fell in the Province of Eastern Finland.

In September, the **employment rate**, that is, the proportion of the employed among persons aged 15 to 64, stood at 69,3 per cent, which was 0,6 percentage points higher than one year before. The employment rate of men was 70,7 per cent and that of women 67,9 per cent. Adjusted for seasonal and random variation, the trend of the employment rate was 70,0 per cent.

According to the Labour Force Survey, there were 168 000 **unemployed** in September 2007, i.e. 11 000 fewer than in September of the year before. At 6,4 per cent, the **unemployment rate** was 0,5 percentage points lower than one year before. The trend of the unemployment rate was 7,1 per cent in September.

According to the Labour Force Survey, the average number of employed persons **during the third quarter of 2007** was 2 542 000, which is 48 000 more than over the corresponding period the year before. The number of unemployed persons was 164 000, which is 17 000 fewer than in the July to September period of 2006.

According to the Labour Force Survey, the average number of employed persons in the **January to September 2007** period was 2 494 000, which is 48 000 more than over the corresponding period in the year before. The average number of unemployed persons was 191 000, or 23 000 fewer than in the January to September period of 2006.

Changes in the labour force 2007/09 – 2006/09, thousand persons

	2007/09	2006/09	Change, % 2007/09 - 2006/09
Employed, total	2 472	2 438	1,4
Unemployed	168	179	-6,0
Labour force, total	2 640	2 617	0,9
Economically inactive, total	1 345	1 350	-0,4
			Percentage points
Employment rate, %	69,3	68,7	0,6
Unemployment rate, %	6,4	6,8	-0,5
Labour force participation rate, %	66,3	66,0	0,3
Unrounded figures are used in the Change column. The data are collected according to the ILO/EU definition.			

Links: Press release connected to this statistical release (inclusive of data of the Ministry of Labour):

http://tilastokeskus.fi/ajk/tiedotteet/v2007/tiedote_025_2007-10-23_en.html

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1.1 Key indicators in the Labour Force Survey by sex 2007/09 - 2006/09

		Year/Month			Change
		2007/09	2007/08	2006/09	2007/09 - 2006/09
		Per cent (%)	Per cent (%)	Per cent (%)	Percentage points (%)
Indicator	Sex				
Employment rate (population aged 15-64)	Both sexes	69,3	71,5	68,7	0,6
	Males	70,7	74,1	70,7	0,0
	Females	67,9	69,0	66,7	1,1
Unemployment rate	Both sexes	6,4	5,9	6,8	-0,5
	Males	6,0	5,3	6,2	-0,2
	Females	6,8	6,6	7,5	-0,8
Labour force participation rate	Both sexes	66,3	68,3	66,0	0,3
	Males	68,3	71,4	68,2	0,2
	Females	64,2	65,1	63,8	0,4

1.2 Population aged 15-74 by labour force status and sex 2007/09 - 2006/09

		Year/Month			Change
		2007/09	2007/08	2006/09	2007/09 - 2006/09
		1000 persons	1000 persons	1000 persons	Per cent (%)
Labour force status	Sex				
Population aged 15-74	Both sexes	3 985	3 983	3 966	0,5
	Males	1 993	1 992	1 983	0,5
	Females	1 992	1 991	1 984	0,4
Labour force	Both sexes	2 640	2 719	2 617	0,9
	Males	1 362	1 422	1 352	0,7
	Females	1 278	1 297	1 265	1,1
Employed	Both sexes	2 472	2 558	2 438	1,4
	Males	1 280	1 347	1 268	1,0
	Females	1 192	1 211	1 170	1,9
Unemployed	Both sexes	168	162	179	-6,0
	Males	82	76	84	-2,4
	Females	86	86	95	-9,3

1.3 Population aged 15-74 by sex and age 2007/09 - 2006/09

		Year/Month			Change
		2007/09	2007/08	2006/09	2007/09 - 2006/09
		1000 persons	1000 persons	1000 persons	Per cent (%)
Sex	Age group				
Both sexes	15-74	3 985	3 983	3 966	0,5
	15-24	659	658	657	0,3
	25-54	2 119	2 119	2 129	-0,5
	55-74	1 208	1 205	1 181	2,3
	15-64	3 523	3 521	3 506	0,5
Males	15-74	1 993	1 992	1 983	0,5
	15-24	336	336	335	0,3
	25-54	1 075	1 075	1 081	-0,5
	55-74	581	580	567	2,6
	15-64	1 781	1 779	1 772	0,5
Females	15-74	1 992	1 991	1 984	0,4
	15-24	322	322	321	0,3
	25-54	1 043	1 044	1 048	-0,5
	55-74	627	625	614	2,0
	15-64	1 743	1 742	1 734	0,5

2.1 Labour force participation rate by sex and age 2007/09 - 2006/09

		Year/Month			Change
		2007/09	2007/08	2006/09	2007/09 - 2006/09
		Per cent (%)	Per cent (%)	Per cent (%)	Percentage points (%)
Sex	Age group				
Both sexes	15-74	66,3	68,3	66,0	0,3
	15-24	44,2	53,7	43,9	0,3
	25-54	88,0	89,2	88,0	0,0
	55-74	40,1	39,4	38,5	1,6
	15-64	74,1	76,1	73,8	0,2
Males	15-74	68,3	71,4	68,2	0,2
	15-24	42,3	52,8	43,7	-1,4
	25-54	90,2	92,1	91,0	-0,8
	55-74	43,0	43,9	39,2	3,8
	15-64	75,3	78,3	75,4	-0,1
Females	15-74	64,2	65,1	63,8	0,4
	15-24	46,3	54,5	44,1	2,1
	25-54	85,8	86,3	84,9	0,9
	55-74	37,5	35,2	38,0	-0,5
	15-64	72,8	73,9	72,2	0,6

2.2 Labour force by sex and age 2007/09 - 2006/09

		Year/Month			Change
		2007/09	2007/08	2006/09	2007/09 - 2006/09
		1000 persons	1000 persons	1000 persons	Per cent (%)
Sex	Age group				
Both sexes	15-74	2 640	2 719	2 617	0,9
	15-24	291	353	288	1,0
	25-54	1 865	1 891	1 873	-0,5
	55-74	484	475	455	6,4
	15-64	2 609	2 681	2 589	0,8
Males	15-74	1 362	1 422	1 352	0,7
	15-24	142	178	147	-3,0
	25-54	970	990	983	-1,3
	55-74	250	255	222	12,5
	15-64	1 341	1 394	1 337	0,3
Females	15-74	1 278	1 297	1 265	1,1
	15-24	149	176	142	5,2
	25-54	895	901	890	0,5
	55-74	235	220	233	0,6
	15-64	1 269	1 287	1 252	1,4

3.1 Employment rate by sex and age 2007/09 - 2006/09

		Year/Month			Change
		2007/09	2007/08	2006/09	2007/09 - 2006/09
		Per cent (%)	Per cent (%)	Per cent (%)	Percentage points (%)
Sex	Age group				
Both sexes	15-74	62,0	64,2	61,5	0,6
	15-24	38,3	48,9	37,5	0,9
	25-54	83,3	84,4	83,1	0,3
	55-74	37,6	37,1	35,9	1,8
	15-64	69,3	71,5	68,7	0,6
Males	15-74	64,2	67,6	64,0	0,3
	15-24	36,4	48,5	37,3	-0,8
	25-54	85,8	87,9	86,5	-0,7
	55-74	40,4	41,2	36,8	3,6
	15-64	70,7	74,1	70,7	0,0
Females	15-74	59,8	60,8	59,0	0,9
	15-24	40,3	49,3	37,7	2,7
	25-54	80,8	80,8	79,5	1,2
	55-74	35,0	33,4	35,0	0,0
	15-64	67,9	69,0	66,7	1,1

3.2 Employed persons by sex and age 2007/09 - 2006/09

		Year/Month			Change
		2007/09	2007/08	2006/09	2007/09 - 2006/09
		1000 persons	1000 persons	1000 persons	Per cent (%)
Sex	Age group				
Both sexes	15-74	2 472	2 558	2 438	1,4
	15-24	253	322	246	2,7
	25-54	1 765	1 788	1 768	-0,2
	55-74	454	448	423	7,3
	15-64	2 441	2 519	2 410	1,3
Males	15-74	1 280	1 347	1 268	1,0
	15-24	123	163	125	-1,9
	25-54	923	944	935	-1,3
	55-74	235	239	209	12,6
	15-64	1 259	1 318	1 253	0,5
Females	15-74	1 192	1 211	1 170	1,9
	15-24	130	159	121	7,5
	25-54	842	844	834	1,0
	55-74	219	209	215	2,1
	15-64	1 182	1 201	1 157	2,2

3.3 Employed persons by status in employment 2007/09 - 2006/09

	Year/Month			Change
	2007/09	2007/08	2006/09	2007/09 - 2006/09
	1000 persons	1000 persons	1000 persons	Per cent (%)
Status in employment				
Employed persons total	2 472	2 558	2 438	1,4
Self-employed persons and unpaid family workers	314	331	315	-0,5
Employees	2 158	2 227	2 122	1,7
-salaried employees	1 398	1 426	1 361	2,7
-wage earners	756	797	756	-0,1

3.4 Employed persons by employer sector 2007/09 - 2006/09

	Year/Month			Change
	2007/09	2007/08	2006/09	2007/09 - 2006/09
	1000 persons	1000 persons	1000 persons	Per cent (%)
Employer sector				
Employer sector total (incl. employer sector unknown)	2 471	2 558	2 438	1,4
Private sector	1 833	1 893	1 796	2,0
Public sector	633	662	639	-0,9
-state	151	150	151	-0,4
-municipality	482	512	487	-1,0

3.5 Employed persons by province 2007/09 - 2006/09

	Year/Month			Change
	2007/09	2007/08	2006/09	2007/09 - 2006/09
	1000 persons	1000 persons	1000 persons	Per cent (%)
Province				
Whole country (incl. Åland)	2 472	2 558	2 438	1,4
Southern Finland	1 081	1 109	1 063	1,7
Western Finland	870	898	846	2,7
Eastern Finland	231	240	242	-4,6
Oulu	204	217	201	1,6
Lapland	72	79	72	-0,2

3.6 Proportion of part-time employed persons in all employed persons by sex 2007/09 - 2006/09

	Year/Month			Change
	2007/09	2007/08	2006/09	2007/09 - 2006/09
	Per cent (%)	Per cent (%)	Per cent (%)	Percentage points (%)
Sex				
Both sexes	14,2	12,7	14,3	-0,1
Males	9,3	8,1	9,3	0,0
Females	19,4	17,7	19,7	-0,3

3.7 Part-time employed persons by sex 2007/09 - 2006/09

	Year/Month			Change
	2007/09	2007/08	2006/09	2007/09 - 2006/09
	1000 persons	1000 persons	1000 persons	Per cent (%)
Sex				
Both sexes	350	324	348	0,4
Males	119	110	118	0,8
Females	231	214	231	0,3

3.8 Employees by type of employment relationship (%) 2007/09 - 2006/09

Employment relationship	Year/Month			Change
	2007/09	2007/08	2006/09	2007/09 - 2006/09
	Per cent (%)	Per cent (%)	Per cent (%)	Percentage points (%)
Employees total	100,0	100,0	100,0	0,0
-permanent full-time job	74,8	74,1	74,5	0,3
-permanent part-time job	9,6	8,2	9,9	-0,3
-fixed-term full-time job	11,5	14,2	11,6	-0,1
-fixed-term part-time job	4,1	3,6	4,0	0,1
Fixed-term job total	15,6	17,7	15,6	0,0
Part-time job total	13,7	11,8	13,8	-0,2

3.9 Employees by type of employment relationship 2007/09 - 2006/09

Employment relationship	Year/Month			Change
	2007/09	2007/08	2006/09	2007/09 - 2006/09
	1000 persons	1000 persons	1000 persons	Per cent (%)
Employees total	2 158	2 227	2 122	1,7
-permanent full-time job	1 614	1 649	1 582	2,1
-permanent part-time job	206	183	209	-1,3
-fixed-term full-time job	249	315	247	0,8
-fixed-term part-time job	88	79	85	4,4
Fixed-term job total	337	394	331	1,7
Part-time job total	295	262	294	0,3

4.1 Unemployment rate by sex and age 2007/09 - 2006/09

		Year/Month			Change
		2007/09	2007/08	2006/09	2007/09 - 2006/09
		Per cent (%)	Per cent (%)	Per cent (%)	Percentage points (%)
Sex	Age group				
Both sexes	15-74	6,4	5,9	6,8	-0,5
	15-24	13,3	8,9	14,7	-1,4
	25-54	5,3	5,4	5,6	-0,3
	55-74	6,2	5,7	7,0	-0,8
	15-64	6,4	6,0	6,9	-0,5
Males	15-74	6,0	5,3	6,2	-0,2
	15-24	13,8	8,2	14,8	-0,9
	25-54	4,9	4,6	5,0	-0,1
	55-74	5,9	6,1	6,0	-0,1
Females	15-64	6,1	5,4	6,3	-0,2
	15-74	6,8	6,6	7,5	-0,8
	15-24	12,8	9,6	14,6	-1,8
	25-54	5,8	6,4	6,3	-0,5
	55-74	6,5	5,3	7,9	-1,4
	15-64	6,8	6,7	7,6	-0,8

4.2 Unemployed persons by sex and age 2007/09 - 2006/09

		Year/Month			Change
		2007/09	2007/08	2006/09	2007/09 - 2006/09
		1000 persons	1000 persons	1000 persons	Per cent (%)
Sex	Age group				
Both sexes	15-74	168	162	179	-6,0
	15-24	39	31	42	-8,7
	25-54	99	103	105	-5,3
	55-74	30	27	32	-5,1
	15-64	168	162	179	-6,0
Males	15-74	82	76	84	-2,4
	15-24	20	15	22	-9,2
	25-54	47	46	49	-3,0
	55-74	15	15	13	11,0
	15-64	82	76	84	-2,4
Females	15-74	86	86	95	-9,3
	15-24	19	17	21	-8,1
	25-54	52	57	56	-7,2
	55-74	15	12	18	-16,7
	15-64	86	86	95	-9,3

4.3 Unemployment rate by province 2007/09 - 2006/09

Province	Year/Month			Change
	2007/09	2007/08	2006/09	2007/09 - 2006/09
	Per cent (%)	Per cent (%)	Per cent (%)	Percentage points (%)
Whole country (incl. Åland)	6,4	5,9	6,8	-0,5
Southern Finland	5,4	4,7	5,8	-0,4
Western Finland	6,2	6,1	6,6	-0,4
Eastern Finland	9,4	9,2	10,6	-1,2
Oulu	7,5	6,6	7,6	0,0
Lapland	9,6	8,9	9,3	0,2

5.1 Persons not in labour force by main activity and sex 2007/09 - 2006/09

		Year/Month			Change
		2007/09	2007/08	2006/09	2007/09 - 2006/09
		1000 persons	1000 persons	1000 persons	Per cent (%)
Main activity	Sex				
Total persons not in labour force	Both sexes	1 345	1 264	1 350	-0,4
	Males	631	569	631	0,0
	Females	714	694	719	-0,7
Students	Both sexes	374	287	372	0,6
Disabled persons	Both sexes	211	218	207	1,9
Retired on the basis of age	Both sexes	566	547	550	2,8
Persons performing domestic work	Both sexes	85	98	89	-4,6
Others (incl. conscripts)	Both sexes	108	114	131	-17,4

5.2 Seasonally adjusted trends 2007/09

Year/month	Employed	Unemployed	Unemployed job seekers (Ministry of Labour)	Unemployment rate	
				Aged 15-74	Aged 15-24
	1000 persons	1000 persons	1000 persons	%	%
2005/09	2 408	213	272	8,2	19,1
2005/10	2 415	214	271	8,2	19,1
2005/11	2 421	218	269	8,3	19,5
2005/12	2 425	219	267	8,3	19,9
2006/01	2 428	215	265	8,2	19,7
2006/02	2 431	211	263	8,0	19,2
2006/03	2 431	207	260	7,9	18,7
2006/04	2 431	207	258	7,8	18,8
2006/05	2 433	208	254	7,9	19,0
2006/06	2 436	207	251	7,9	18,9
2006/07	2 441	205	249	7,8	18,7
2006/08	2 446	205	246	7,8	18,7
2006/09	2 451	205	243	7,7	18,7
2006/10	2 455	201	239	7,6	18,4
2006/11	2 461	195	236	7,4	17,7
2006/12	2 465	190	233	7,2	17,2
2007/01	2 469	188	230	7,1	17,1
2007/02	2 474	189	227	7,1	17,1
2007/03	2 480	187	225	6,9	16,7
2007/04	2 485	181	222	6,8	15,9
2007/05	2 490	180	220	6,8	15,6
2007/06	2 493	183	218	6,9	15,8
2007/07	2 495	186	216	7,0	16,1
2007/08	2 496	187	214	7,1	16,1
2007/09	2 498	188	213	7,1	16,1

6.1 Key indicators in the Labour Force Survey by sex 2007/III - 2006/III

Indicator		Year/Quarter			Change
		2007/III	2007/II	2006/III	2007/III - 2006/III
		Per cent (%)	Per cent (%)	Per cent (%)	Percentage points (%)
Employment rate (population aged 15-64)	Both sexes	71,2	71,0	70,3	0,9
	Males	73,3	72,7	72,6	0,7
	Females	69,2	69,2	68,0	1,1
Unemployment rate	Both sexes	6,0	7,7	6,8	-0,7
	Males	5,4	7,4	6,1	-0,7
	Females	6,7	8,0	7,5	-0,8
Labour force participation rate	Both sexes	67,9	68,7	67,5	0,4
	Males	70,5	71,1	70,1	0,4
	Females	65,4	66,4	64,9	0,5

6.2 Population aged 15-74 by labour force status and sex 2007/III - 2006/III

Labour force status		Year/Quarter			Change
		2007/III	2007/II	2006/III	2007/III - 2006/III
		1000 persons	1000 persons	1000 persons	Per cent (%)
Population aged 15-74	Both sexes	3 983	3 978	3 965	0,5
	Males	1 992	1 989	1 982	0,5
	Females	1 991	1 989	1 983	0,4
Labour force	Both sexes	2 705	2 735	2 675	1,1
	Males	1 403	1 415	1 389	1,0
	Females	1 302	1 320	1 286	1,2
Employed	Both sexes	2 542	2 524	2 494	1,9
	Males	1 327	1 311	1 305	1,7
	Females	1 214	1 214	1 190	2,1
Unemployed	Both sexes	164	210	181	-9,5
	Males	76	104	84	-9,8
	Females	88	106	97	-9,2

6.3 Population aged 15-74 by sex and age 2007/III - 2006/III

		Year/Quarter			Change
		2007/III	2007/II	2006/III	2007/III - 2006/III
		1000 persons	1000 persons	1000 persons	Per cent (%)
Sex	Age group				
Both sexes	15-74	3 983	3 978	3 965	0,5
	15-24	658	658	656	0,3
	25-54	2 120	2 123	2 130	-0,5
	55-74	1 205	1 197	1 179	2,2
	15-64	3 521	3 513	3 506	0,4
Males	15-74	1 992	1 989	1 982	0,5
	15-24	336	335	335	0,2
	25-54	1 075	1 078	1 081	-0,5
	55-74	580	576	566	2,6
	15-64	1 779	1 776	1 772	0,4
Females	15-74	1 991	1 989	1 983	0,4
	15-24	322	322	321	0,4
	25-54	1 044	1 045	1 049	-0,5
	55-74	625	621	613	1,9
	15-64	1 742	1 737	1 734	0,4

7.1 Labour force participation rate by sex and age 2007/III - 2006/III

		Year/Quarter			Change
		2007/III	2007/II	2006/III	2007/III - 2006/III
		Per cent (%)	Per cent (%)	Per cent (%)	Percentage points (%)
Sex	Age group				
Both sexes	15-74	67,9	68,7	67,5	0,4
	15-24	55,0	60,5	53,0	2,0
	25-54	88,3	88,3	88,2	0,2
	55-74	39,1	38,6	38,2	0,9
	15-64	75,9	76,9	75,5	0,4
Males	15-74	70,5	71,1	70,1	0,4
	15-24	53,5	59,5	53,2	0,2
	25-54	91,1	91,0	90,9	0,2
	55-74	42,0	40,7	40,3	1,7
	15-64	77,6	78,5	77,4	0,2
Females	15-74	65,4	66,4	64,9	0,5
	15-24	56,5	61,6	52,7	3,8
	25-54	85,5	85,5	85,3	0,2
	55-74	36,4	36,6	36,2	0,2
	15-64	74,2	75,3	73,6	0,6

7.2 Labour force by sex and age 2007/III - 2006/III

		Year/Quarter			Change
		2007/III	2007/II	2006/III	2007/III - 2006/III
		1000 persons	1000 persons	1000 persons	Per cent (%)
Sex	Age group				
Both sexes	15-74	2 705	2 735	2 675	1,1
	15-24	362	398	348	4,1
	25-54	1 872	1 875	1 878	-0,3
	55-74	471	462	450	4,8
	15-64	2 672	2 703	2 647	1,0
Males	15-74	1 403	1 415	1 389	1,0
	15-24	180	199	179	0,7
	25-54	980	981	983	-0,3
	55-74	244	235	228	7,0
	15-64	1 380	1 394	1 371	0,7
Females	15-74	1 302	1 320	1 286	1,2
	15-24	182	199	169	7,7
	25-54	893	894	895	-0,3
	55-74	227	228	222	2,5
	15-64	1 292	1 309	1 276	1,3

8.1 Employment rate by sex and age 2007/III - 2006/III

		Year/Quarter			Change
		2007/III	2007/II	2006/III	2007/III - 2006/III
		Per cent (%)	Per cent (%)	Per cent (%)	Percentage points (%)
Sex	Age group				
Both sexes	15-74	63,8	63,5	62,9	0,9
	15-24	49,3	47,4	46,4	2,9
	25-54	83,7	83,6	83,0	0,8
	55-74	36,7	36,5	35,9	0,8
	15-64	71,2	71,0	70,3	0,9
Males	15-74	66,6	65,9	65,8	0,8
	15-24	48,1	46,9	46,6	1,5
	25-54	87,1	86,4	86,4	0,7
	55-74	39,5	38,5	38,0	1,5
	15-64	73,3	72,7	72,6	0,7
Females	15-74	61,0	61,0	60,0	1,0
	15-24	50,5	47,9	46,1	4,4
	25-54	80,3	80,8	79,4	0,8
	55-74	34,2	34,6	34,0	0,2
	15-64	69,2	69,2	68,0	1,1

8.2 Employed persons by sex and age 2007/III - 2006/III

		Year/Quarter			Change
		2007/III	2007/II	2006/III	2007/III - 2006/III
		1000 persons	1000 persons	1000 persons	Per cent (%)
Sex	Age group				
Both sexes	15-74	2 542	2 524	2 494	1,9
	15-24	324	312	304	6,6
	25-54	1 775	1 776	1 767	0,4
	55-74	443	437	423	4,6
	15-64	2 509	2 493	2 466	1,7
Males	15-74	1 327	1 311	1 305	1,7
	15-24	162	157	156	3,4
	25-54	937	931	934	0,3
	55-74	229	222	215	6,6
	15-64	1 304	1 290	1 287	1,4
Females	15-74	1 214	1 214	1 190	2,1
	15-24	163	154	148	9,9
	25-54	838	844	833	0,6
	55-74	214	215	208	2,5
	15-64	1 204	1 203	1 180	2,1

8.3 Employed persons by status in employment 2007/III - 2006/III

Status in employment	Year/Quarter			Change
	2007/III	2007/II	2006/III	2007/III - 2006/III
	1000 persons	1000 persons	1000 persons	Per cent (%)
Employed persons total	2 542	2 524	2 494	1,9
Self-employed persons and unpaid family workers	319	322	319	0,1
Employees	2 222	2 203	2 176	2,1
-salaried employees	1 416	1 422	1 387	2,0
-wage earners	802	777	784	2,3

8.4 Employed persons by industry (TOL 2002) 2007/III - 2006/III

Industry	TOL 2002	Year/Quarter			Change
		2007/III	2007/II	2006/III	2007/III - 2006/III
		1000 persons	1000 persons	1000 persons	Per cent (%)
Industrial classifications total	01-99	2 542	2 524	2 494	1,9
A, B Agriculture, hunting, forestry and fishing	01-05	120	117	123	-1,9
Agriculture, hunting and fishing	01, 05	96	93	100	-4,4
Forestry	02	25	24	23	9,2
C-E Manufacturing; electricity, gas and water supply; mining and quarrying	10-41	472	473	481	-1,8
Consumer goods industries	15-19	53	54	54	-2,0
Manufacture of forest industry products and furniture	20-21, 361	76	78	82	-7,4
Publishing, printing and reproduction of recorded media	22	30	35	37	-19,2
Metal etc. industries	10-14, 27-35, 37	235	227	230	2,4
Other manufacturing	23-26, 362-366, 40-41	78	81	78	0,3
F Construction	45	190	173	171	11,0
Civil engineering	451, 45219, 4523, 4524	45	42	41	8,5
Construction of buildings; building installation and completion	45211, 4522, 4525, 453, 454, 455	145	131	130	11,8
G, H Trade; hotels and restaurants	50-55	404	406	390	3,4
G Trade	50-52	318	322	310	2,6
Sale of motor vehicles	501, 503, 504	24	22	22	10,7
Maintenance and repair of motor vehicles and of personal or household goods	502, 505, 527	32	34	33	-5,5
Wholesale trade and commission trade	51	102	102	97	5,1
Retail trade, excl. motor vehicles	521-526	161	164	158	1,7
H Hotels and restaurants	55	86	84	80	6,4
I Transport, storage and communication	60-64	177	172	184	-3,6
Transport	60-63	132	128	133	-1,2
Telecommunications	64	45	44	50	-9,9
J, K Financial intermediation; real estate, renting and business activities	65-74	368	361	345	6,6
Financial intermediation; insurance	65-67	53	50	47	12,3
Real estate, renting and industrial cleaning	70, 71, 747	76	79	74	2,9
Technical and business activities	72, 73, 741-746, 748	239	233	224	6,7
L-Q Public and other services	75-98	804	814	797	0,9
Public administration and defence	75	122	112	116	4,7
Education	80	161	167	163	-1,2
Health activities	851, 852	180	181	177	1,4
Social work activities	853	187	199	190	-1,6
Other service activities	90-98	155	155	150	3,0
X Industry unknown	99	7	7	4	.

8.5 Hours actually worked of employed persons by industry (TOL 2002) 2007/III - 2006/III

Industry	TOL 2002	Year/Quarter			Change
		2007/III	2007/II	2006/III	2007/III - 2006/III
		Million hours	Million hours	Million hours	Per cent (%)
Industrial classifications total	01-99	970,2	1046,0	971,7	-0,1
A, B Agriculture, hunting, forestry and fishing	01-05	72,6	69,2	73,8	-1,7
Agriculture, hunting and fishing	01, 05	62,8	58,7	63,8	-1,6
Forestry	02	9,8	10,5	10,1	-2,5
C-E Manufacturing; electricity, gas and water supply; mining and quarrying	10-41	177,4	203,4	186,0	-4,6
Consumer goods industries	15-19	20,1	22,3	20,6	-2,2
Manufacture of forest industry products and furniture	20-21, 361	28,9	32,4	32,5	-11,1
Publishing, printing and reproduction of recorded media	22	11,0	12,9	14,1	-22,0
Metal etc. industries	10-14, 27-35, 37	88,2	101,8	89,2	-1,1
Other manufacturing	23-26, 362-366, 40-41	29,2	34,0	29,7	-1,6
F Construction	45	83,6	81,6	78,4	6,6
Civil engineering	451, 45219, 4523, 4524	21,2	20,5	19,4	9,5
Construction of buildings; building installation and completion	45211, 4522, 4525, 453, 454, 455	62,4	61,1	59,0	5,7
G, H Trade; hotels and restaurants	50-55	155,5	164,0	149,1	4,3
G Trade	50-52	122,4	131,1	118,0	3,8
Sale of motor vehicles	501, 503, 504	9,4	9,0	8,6	9,7
Maintenance and repair of motor vehicles and of personal or household goods	502, 505, 527	12,9	14,5	13,5	-4,6
Wholesale trade and commission trade	51	41,1	45,3	37,5	9,6
Retail trade, excl. motor vehicles	521-526	59,1	62,3	58,4	1,1
H Hotels and restaurants	55	33,1	32,8	31,1	6,4
I Transport, storage and communication	60-64	74,5	75,9	76,3	-2,4
Transport	60-63	59,5	59,5	59,4	0,1
Telecommunications	64	15,0	16,4	16,9	-11,3
J, K Financial intermediation; real estate, renting and business activities	65-74	134,8	147,8	130,6	3,2
Financial intermediation; insurance	65-67	19,1	20,2	17,3	10,3
Real estate, renting and industrial cleaning	70, 71, 747	27,8	30,8	29,0	-4,3
Technical and business activities	72, 73, 741-746, 748	87,9	96,7	84,2	4,4
L-Q Public and other services	75-98	269,5	301,5	275,6	-2,2
Public administration and defence	75	43,1	44,0	43,6	-1,1
Education	80	44,3	56,8	47,3	-6,4
Health activities	851, 852	61,1	67,8	60,9	0,2
Social work activities	853	67,1	76,0	68,7	-2,2
Other service activities	90-98	54,0	56,9	55,1	-2,1
X Industry unknown	99	2,3	2,7	1,9	.

8.6 Employed persons by employer sector 2007/III - 2006/III

Employer sector	Year/Quarter			Change
	2007/III	2007/II	2006/III	2007/III - 2006/III
	1000 persons	1000 persons	1000 persons	Per cent (%)
Employer sector total (incl. employer sector unknown)	2 541	2 524	2 494	1,9
Private sector	1 881	1 852	1 840	2,2
Public sector	656	667	652	0,7
-state	156	150	153	1,5
-municipality	501	517	499	0,4

8.7 Employed persons by province 2007/III - 2006/III

	Year/Quarter			Change
	2007/III	2007/II	2006/III	2007/III - 2006/III
	1000 persons	1000 persons	1000 persons	Per cent (%)
Province				
Whole country (incl. Åland)	2 542	2 524	2 494	1,9
Southern Finland	1 106	1 098	1 088	1,7
Western Finland	893	892	867	3,0
Eastern Finland	241	242	249	-2,9
Oulu	211	204	201	4,5
Lapland	76	75	76	0,4

8.8 Employed persons by region 2007/III - 2006/III

	Year/Quarter			Change
	2007/III	2007/II	2006/III	2007/III - 2006/III
	1000 persons	1000 persons	1000 persons	Per cent (%)
Region				
Whole country (incl. Åland)	2 542	2 524	2 494	1,9
Uusimaa	745	739	733	1,7
Itä-Uusimaa	47	49	47	0,6
Varsinais-Suomi	228	228	225	1,5
Satakunta	102	107	102	0,1
Kanta-Häme	81	78	78	4,2
Pirkanmaa	234	231	218	6,9
Päijät-Häme	92	91	90	2,6
Kymenlaakso	81	82	83	-2,3
South Karelia	60	59	58	3,2
Etelä-Savo	68	68	66	1,9
Pohjois-Savo	105	105	111	-5,0
North Karelia	69	69	72	-4,2
Central Finland	122	118	117	4,2
South Ostrobothnia	90	90	88	2,9
Ostrobothnia	85	86	85	0,6
Central Ostrobothnia	31	32	32	-0,7
North Ostrobothnia	177	170	169	4,9
Kainuu	34	34	33	2,6
Lapland	76	75	76	0,4

8.9 Proportion of part-time employed persons in all employed persons by sex 2007/III - 2006/III

	Year/Quarter			Change
	2007/III	2007/II	2006/III	2007/III - 2006/III
	Per cent (%)	Per cent (%)	Per cent (%)	Percentage points (%)
Sex				
Both sexes	13,0	13,6	13,2	-0,3
Males	8,4	8,9	8,8	-0,3
Females	18,0	18,7	18,1	-0,2

8.10 Part-time employed persons by sex 2007/III - 2006/III

	Year/Quarter			Change
	2007/III	2007/II	2006/III	2007/III - 2006/III
	1000 persons	1000 persons	1000 persons	Per cent (%)
Sex				
Both sexes	330	344	330	0,0
Males	112	117	114	-2,2
Females	218	226	216	1,1

9.1 Employees by industry (TOL 2002) 2007/III - 2006/III

Industry	TOL 2002	Year/Quarter			Change
		2007/III	2007/II	2006/III	2007/III - 2006/III
		1000 persons	1000 persons	1000 persons	Per cent (%)
Industrial classifications total	01-99	2 222	2 203	2 176	2,1
A, B Agriculture, hunting, forestry and fishing	01-05	35	35	37	-3,9
Agriculture, hunting and fishing	01, 05	19	19	22	-13,6
Forestry	02	16	16	15	10,5
C-E Manufacturing; electricity, gas and water supply; mining and quarrying	10-41	447	448	453	-1,3
Consumer goods industries	15-19	48	49	48	-0,5
Manufacture of forest industry products and furniture	20-21, 361	70	73	76	-7,9
Publishing, printing and reproduction of recorded media	22	29	33	34	-15,4
Metal etc. industries	10-14, 27-35, 37	225	216	220	2,2
Other manufacturing	23-26, 362-366, 40-41	75	78	75	1,1
F Construction	45	150	136	131	14,6
Civil engineering	451, 45219, 4523, 4524	37	34	32	13,6
Construction of buildings; building installation and completion	45211, 4522, 4525, 453, 454, 455	114	102	99	14,9
G, H Trade; hotels and restaurants	50-55	352	347	337	4,5
G Trade	50-52	278	275	265	4,7
Sale of motor vehicles	501, 503, 504	20	18	19	6,6
Maintenance and repair of motor vehicles and of personal or household goods	502, 505, 527	25	27	25	1,8
Wholesale trade and commission trade	51	91	88	84	8,5
Retail trade, excl. motor vehicles	521-526	142	142	138	2,6
H Hotels and restaurants	55	74	72	72	4,0
I Transport, storage and communication	60-64	153	151	162	-5,0
Transport	60-63	109	107	112	-2,9
Telecommunications	64	45	44	50	-9,8
J, K Financial intermediation; real estate, renting and business activities	65-74	321	314	302	6,2
Financial intermediation; insurance	65-67	50	47	44	14,4
Real estate, renting and industrial cleaning	70, 71, 747	69	71	66	5,1
Technical and business activities	72, 73, 741-746, 748	202	196	193	4,7
L-Q Public and other services	75-98	757	767	750	1,0
Public administration and defence	75	122	112	116	4,7
Education	80	158	164	160	-1,1
Health activities	851, 852	169	171	167	1,4
Social work activities	853	183	194	186	-2,0
Other service activities	90-98	126	125	120	4,3
X Industry unknown	99	5	6	4	.

9.2 Hours actually worked of employees by industry (TOL 2002) 2007/III - 2006/III

Industry	TOL 2002	Year/Quarter			Change
		2007/III	2007/II	2006/III	2007/III - 2006/III
		Million hours	Million hours	Million hours	Per cent (%)
Industrial classifications total	01-99	805,0	874,6	803,2	0,2
A, B Agriculture, hunting, forestry and fishing	01-05	16,4	16,9	17,6	-6,7
Agriculture, hunting and fishing	01, 05	10,1	10,1	11,5	-12,3
Forestry	02	6,3	6,8	6,1	4,0
C-E Manufacturing; electricity, gas and water supply; mining and quarrying	10-41	166,7	188,2	172,2	-3,2
Consumer goods industries	15-19	18,1	19,3	17,7	1,9
Manufacture of forest industry products and furniture	20-21, 361	26,8	29,9	29,7	-9,6
Publishing, printing and reproduction of recorded media	22	10,4	11,9	12,4	-16,1
Metal etc. industries	10-14, 27-35, 37	83,3	95,0	84,1	-1,0
Other manufacturing	23-26, 362-366, 40-41	28,1	32,1	28,3	-0,5
F Construction	45	62,8	60,7	56,1	12,0
Civil engineering	451, 45219, 4523, 4524	16,6	15,7	14,0	17,9
Construction of buildings; building installation and completion	45211, 4522, 4525, 453, 454, 455	46,3	45,0	42,1	10,0
G, H Trade; hotels and restaurants	50-55	128,1	132,8	120,7	6,2
G Trade	50-52	102,4	107,8	95,3	7,4
Sale of motor vehicles	501, 503, 504	7,9	7,0	6,7	18,2
Maintenance and repair of motor vehicles and of personal or household goods	502, 505, 527	9,2	10,5	8,9	3,4
Wholesale trade and commission trade	51	36,0	39,0	31,9	12,8
Retail trade, excl. motor vehicles	521-526	49,3	51,3	47,9	3,0
H Hotels and restaurants	55	25,7	25,0	25,3	1,6
I Transport, storage and communication	60-64	60,0	64,2	63,3	-5,2
Transport	60-63	45,1	47,9	46,5	-3,1
Telecommunications	64	14,9	16,3	16,8	-11,1
J, K Financial intermediation; real estate, renting and business activities	65-74	117,1	126,0	113,3	3,4
Financial intermediation; insurance	65-67	18,1	19,0	16,1	12,5
Real estate, renting and industrial cleaning	70, 71, 747	24,6	26,6	24,8	-0,9
Technical and business activities	72, 73, 741-746, 748	74,4	80,5	72,4	2,8
L-Q Public and other services	75-98	251,8	283,5	258,3	-2,5
Public administration and defence	75	43,1	43,9	43,5	-0,9
Education	80	43,4	55,7	46,8	-7,3
Health activities	851, 852	57,6	64,2	57,7	-0,2
Social work activities	853	64,7	73,9	66,9	-3,3
Other service activities	90-98	43,0	45,7	43,3	-0,8
X Industry unknown	99	2,0	2,3	1,7	.

9.3 Employees by type of employment relationship (%) 2007/III - 2006/III

	Year/Quarter			Change
	2007/III	2007/II	2006/III	2007/III - 2006/III
	Per cent (%)	Per cent (%)	Per cent (%)	Percentage points (%)
Employment relationship				
Employees total	100,0	100,0	100,0	0,0
-permanent full-time job	73,6	73,5	73,1	0,5
-permanent part-time job	8,4	9,1	8,7	-0,3
-fixed-term full-time job	14,2	13,5	14,3	-0,1
-fixed-term part-time job	3,8	3,8	4,0	-0,1
Fixed-term job total	18,0	17,4	18,2	-0,2
Part-time job total	12,2	12,9	12,6	-0,4

9.4 Employees by type of employment relationship 2007/III - 2006/III

	Year/Quarter			Change
	2007/III	2007/II	2006/III	2007/III - 2006/III
	1000 persons	1000 persons	1000 persons	Per cent (%)
Employment relationship				
Employees total	2 222	2 203	2 176	2,1
-permanent full-time job	1 636	1 620	1 591	2,8
-permanent part-time job	186	200	189	-1,2
-fixed-term full-time job	315	298	310	1,6
-fixed-term part-time job	85	85	86	-1,1
Fixed-term job total	400	383	396	1,0
Part-time job total	271	285	274	-1,1

9.5 Different types of employment relationships less than 12 month's duration (%) 2007/III - 2006/III

	Year/Quarter			Change
	2007/III	2007/II	2006/III	2007/III - 2006/III
	Per cent (%)	Per cent (%)	Per cent (%)	Percentage points (%)
Employment relationship				
Employees total	100,0	100,0	100,0	0,0
-permanent full-time job	36,5	37,5	34,2	2,3
-permanent part-time job	9,2	10,0	9,0	0,2
-fixed-term full-time job	42,5	40,4	43,8	-1,3
-fixed-term part-time job	11,8	12,1	13,0	-1,3
Fixed-term job total	54,3	52,5	56,8	-2,6
Part-time job total	21,0	22,1	22,0	-1,0

9.6 Different types of employment relationships less than 12 month's duration 2007/III - 2006/III

	Year/Quarter			Change
	2007/III	2007/II	2006/III	2007/III - 2006/III
	1000 persons	1000 persons	1000 persons	Per cent (%)
Employment relationship				
Employees total	529	503	498	6,1
-permanent full-time job	193	189	170	13,3
-permanent part-time job	49	50	45	9,1
-fixed-term full-time job	225	203	218	3,0
-fixed-term part-time job	62	61	65	-4,2
Fixed-term job total	287	264	283	1,3
Part-time job total	111	111	110	1,2

10.1 Unemployment rate by sex and age 2007/III - 2006/III

		Year/Quarter			Change
		2007/III	2007/II	2006/III	2007/III - 2006/III
		Per cent (%)	Per cent (%)	Per cent (%)	Percentage points (%)
Sex	Age group				
Both sexes	15-74	6,0	7,7	6,8	-0,7
	15-24	10,3	21,7	12,4	-2,1
	25-54	5,2	5,3	5,9	-0,7
	55-74	6,1	5,4	5,9	0,2
	15-64	6,1	7,8	6,8	-0,7
Males	15-74	5,4	7,4	6,1	-0,7
	15-24	10,0	21,1	12,4	-2,4
	25-54	4,4	5,1	5,0	-0,6
	55-74	6,1	5,4	5,7	0,4
	15-64	5,5	7,5	6,2	-0,6
Females	15-74	6,7	8,0	7,5	-0,8
	15-24	10,6	22,2	12,5	-1,8
	25-54	6,1	5,6	6,9	-0,8
	55-74	6,0	5,4	6,1	-0,1
	15-64	6,8	8,1	7,6	-0,8

10.2 Unemployed persons by sex and age 2007/III - 2006/III

		Year/Quarter			Change
		2007/III	2007/II	2006/III	2007/III - 2006/III
		1000 persons	1000 persons	1000 persons	Per cent (%)
Sex	Age group				
Both sexes	15-74	164	210	181	-9,5
	15-24	37	86	43	-13,6
	25-54	98	99	111	-12,0
	55-74	29	25	26	7,8
	15-64	164	210	181	-9,5
Males	15-74	76	104	84	-9,8
	15-24	18	42	22	-18,7
	25-54	43	50	49	-12,2
	55-74	15	13	13	14,4
	15-64	76	104	84	-9,8
Females	15-74	88	106	97	-9,2
	15-24	19	44	21	-8,3
	25-54	55	50	62	-11,9
	55-74	14	12	14	1,4
	15-64	88	106	97	-9,2

10.3 Unemployment rate by province 2007/III - 2006/III

Province	Year/Quarter			Change
	2007/III	2007/II	2006/III	2007/III - 2006/III
	Per cent (%)	Per cent (%)	Per cent (%)	Percentage points (%)
Whole country (incl. Åland)	6,0	7,7	6,8	-0,7
Southern Finland	4,9	6,5	5,4	-0,4
Western Finland	5,9	7,0	6,8	-0,9
Eastern Finland	9,4	10,9	9,4	0,0
Oulu	7,7	11,5	8,9	-1,2
Lapland	8,8	11,6	11,3	-2,4

10.4 Unemployment rate by region 2007/III - 2006/III

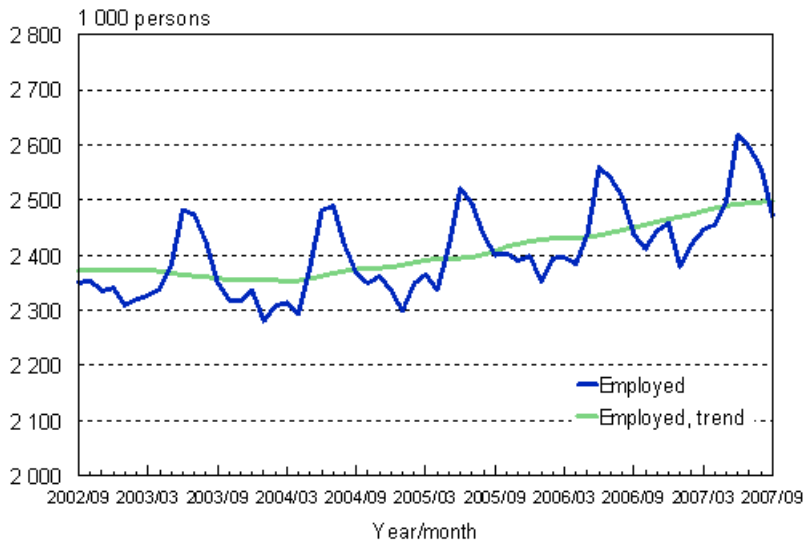
Region	Year/Quarter			Change
	2007/III	2007/II	2006/III	2007/III - 2006/III
	Per cent (%)	Per cent (%)	Per cent (%)	Percentage points (%)
Whole country (incl. Åland)	6,0	7,7	6,8	-0,7
Uusimaa	4,5	6,0	4,7	-0,1
Itä-Uusimaa	2,6	4,0	4,3	-1,7
Varsinais-Suomi	5,5	6,4	5,8	-0,3
Satakunta	6,0	6,9	6,0	0,0
Kanta-Häme	5,2	7,7	6,0	-0,8
Pirkanmaa	5,8	6,3	7,3	-1,5
Päijät-Häme	6,0	8,1	6,9	-0,9
Kymenlaakso	6,0	7,2	7,4	-1,5
South Karelia	8,0	10,7	8,5	-0,4
Etelä-Savo	7,4	9,4	10,6	-3,2
Pohjois-Savo	9,5	10,2	8,7	0,8
North Karelia	11,3	13,1	9,5	1,7
Central Finland	8,5	10,0	9,2	-0,7
South Ostrobothnia	4,9	6,2	6,6	-1,7
Ostrobothnia	3,3	6,0	5,4	-2,1
Central Ostrobothnia	7,8	9,9	8,0	-0,2
North Ostrobothnia	6,7	10,5	7,1	-0,5
Kainuu	13,0	16,1	17,2	-4,2
Lapland	8,8	11,6	11,3	-2,4

11.1 Persons not in labour force by main activity and sex 2007/III - 2006/III

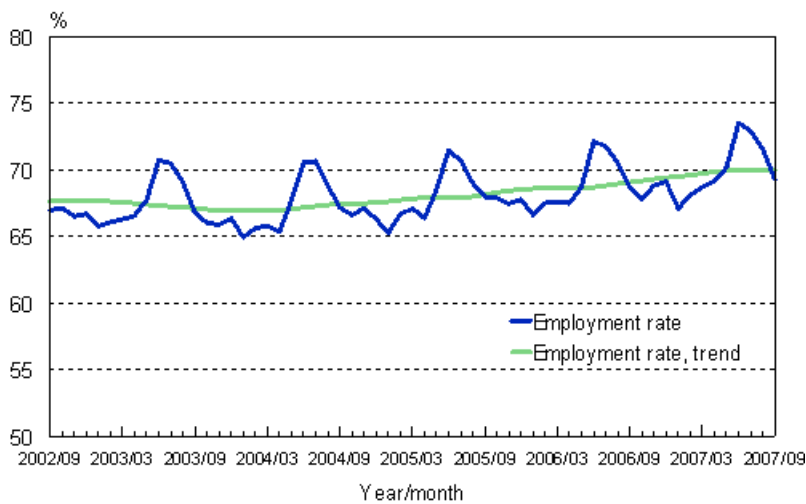
		Year/Quarter			Change
		2007/III	2007/II	2006/III	2007/III - 2006/III
		1000 persons	1000 persons	1000 persons	Per cent (%)
Main activity	Sex				
Total persons not in labour force	Both sexes	1 278	1 243	1 290	-0,9
	Males	588	574	593	-0,7
	Females	689	669	697	-1,1
Students	Both sexes	283	255	292	-3,1
Disabled persons	Both sexes	216	213	217	-0,6
Retired on the basis of age	Both sexes	565	566	553	2,2
Persons performing domestic work	Both sexes	93	95	96	-2,7
Others (incl. conscripts)	Both sexes	121	114	132	-8,5

Figures

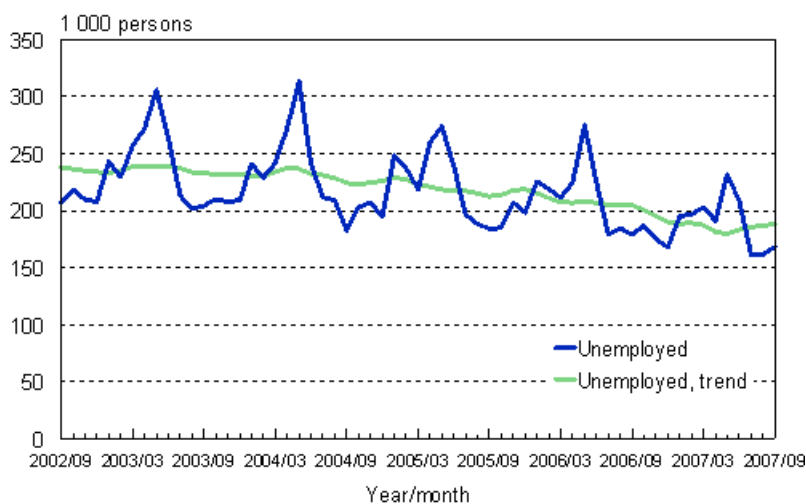
1.1 Employed persons, trend and original series



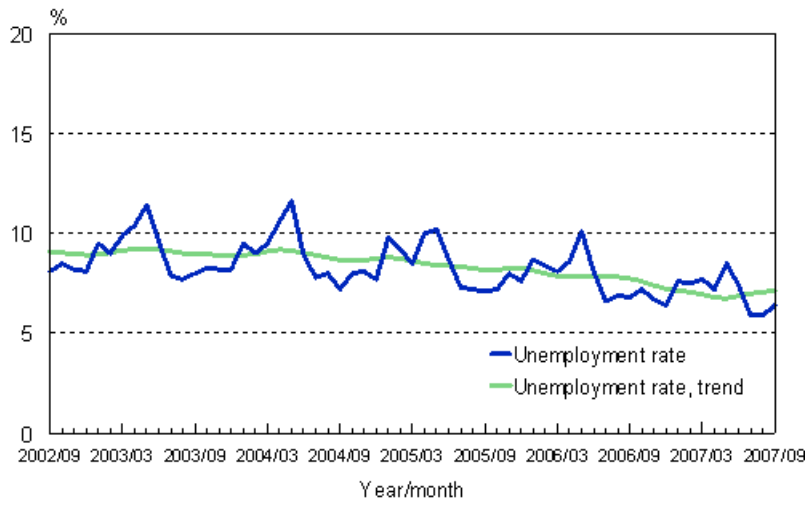
1.2 Employment rate, trend and original series



2.1 Unemployed persons, trend and original series



2.2 Unemployment rate, trend and original series



Quality Description: Labour force survey

1. Relevance of statistical information

The Labour Force Survey is a sample survey providing monthly, quarterly and annual statistics on participation in the labour market, employment, unemployment and working hours among the population aged between 15 and 74. Approximately 12,000 persons are interviewed each month about their labour market activities during one week. Based on the information given by the respondents, the survey provides an up-to-date and comprehensive picture of the labour force and changes in the labour market.

The results of the survey are used, inter alia, in preparing labour market projections and plans, as support for decision-making and in the follow-up of the employment effects of different measures. Key users of the results are ministries, authorities responsible for regional planning, employers' and employees' organisations, universities and research institutions, international organisations and the European Union. Statistics Finland uses the data, inter alia, in the compilation of the National Accounts. Public attention focuses each month especially on the changes in unemployment and employment from the corresponding month in the previous year.

The current data content of the Labour Force Survey is based mainly on the EU Regulation on the organisation of a labour force sample survey in the Community (Council Regulation No 577/98). More detailed information on the European Union Labour Force Survey is available at http://circa.europa.eu/irc/dsis/employment/info/data/eu_lfs/index.htm.

The Labour Force Survey mainly describes persons. Since 2003, information is obtained from a sub sample also on the structure of households and the activities of all working-age members of a household with regard to the labour market. Since 1999 a unified EU ad hoc- survey with annually changing topics has been conducted in connection with the Labour Force Survey.

The concepts and definitions used in the survey follow the recommendations of ILO, the International Labour Organisation of the UN, and the regulations of Eurostat, the Statistical Office of the European Communities. In the basic classification of the labour market situation, the population is divided into the employed, the unemployed and the economically inactive.

Definitions:

- 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. Persons temporarily absent from work due to e.g. holiday or illness are classified as employed. Persons laid off for a fixed-term (less than 3 months) as well as persons on maternity, paternity or parental leave from work are classified as employed. Other persons absent without pay from work for over one month (e.g. conscripts, persons receiving home care subsidies while looking after a child or on job alternation leave or leave of absence) are not classified as employed. The employed are divided into wage and salary earners, entrepreneurs and unpaid workers in a family member's enterprise.
- A person is **unemployed** if he/she is without work during the survey week, has actively sought employment in the past four weeks as a wage or salary earner or entrepreneur and would be available for work within two weeks. A person who is without work and waiting for an agreed job to start within two weeks is also classified as unemployed. Persons laid off for the time being who fulfil the above-mentioned criteria on job seeking and availability for work are also classified as unemployed.
- The **labour force** comprises all persons aged between 15 and 74 who are employed or unemployed during the survey week.
- The **economically inactive population** consists of persons who are not employed or unemployed during the survey week. The economically inactive can be divided according to principal activity during the survey week into students, conscripts, persons performing domestic work, persons retired on account of age or

work years, the disabled, persons living on interest or capital income as well as others not included in the above-mentioned classes.

Statistical classifications used in the Labour Force Survey include the Standard Industrial Classification (TOL 2002, ISIC REV 3.1), the Classification of Occupations 2001 (ISCO-88) and the Classification of Occupations 1987, the Classification of Socio-economic Groups 1989, the Classification of Education 1997 (ISCED 1997) as well as the regional classifications Major Region (NUTS2), Province, Employment and Economic Development Centre and Region.

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 includes also persons residing abroad temporarily (less than a year) as well as foreign nationals registered in the Finnish Population Information System who will reside in Finland at least one year. Information is delivered to Eurostat, the Statistical Office of the European Communities, also on persons younger than 15 and aged 75 or older (who are not interviewed). In the survey, age is determined on the basis of real age at the time of the interview. Hence a 14-year-old can belong to the sample but is included only after he/she has turned 15. Correspondingly the most aged persons are left out of the survey when they turn 75.

The sample of the Labour Force Survey is drawn twice a year as a stratified random sample from the Statistics Finland 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 in each month consists approximately of 12,000 persons, which is, on average, every 300th person from the population. The sample consists of five rotation groups which have joined the survey in different months. 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.

Statistics Finland's interviewers collect the data with computer-assisted telephone interviews. In 2006 approximately 116,000 interviews were conducted of which 99 per cent were telephone interviews and 1 per cent face-to-face interviews. The non-response rate of the survey was 19.6 per cent on average, 21.0 per cent for men and 18.2 per cent for women.

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 region, gender and age. Information of the Ministry of Labour's job seeker register is also used as supplementary data.

The figures published in the Labour Force Survey, as figures collected with any sample survey, are so-called estimates. An estimate is an estimation of a quality of the population derived by applying a mathematical operation (estimation) to sample observations. For example, the number of the unemployed in 2005, which was 249,000 persons, is an estimate of the number of unemployed persons aged between 15 and 74 resulting from such a procedure.

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

The employment and unemployment numbers in the Labour Force Survey vary relatively regularly in different months of the year. Variation which occurs annually in similar ways has been removed from the so-called trends which are also published from the Labour Force Survey. 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 are revised somewhat when the data of the following month are inserted into the series. This preliminary nature of trends must be taken into account when drawing conclusions. As from June 2007, the

trend components of the time series are calculated with the Tramo/Seats method recommended by Eurostat, the Statistical Office of the European Communities.

3. Correctness and accuracy of data

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

Measurement errors arise, inter alia, due to the fact that questions can be understood or interpreted differently and respondents may not report some information. Developing the questionnaire and training the interviewers are measures used to contain measurement errors.

Random variation due to sampling means that figures calculated from different samples differ 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 describing the same phenomenon, as quarterly data have been collected by interviewing thrice the number of persons than the monthly data. Annual figures are the most accurate. The second 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 regions 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 property being investigated lies with a probability of 95 per cent**. For example, the confidence interval of the number of the unemployed in January 2005 is $249,000 \pm 16,000$, i.e. 233,000–265,000. The share to be added to the estimate or deducted from it, in this case 16,000, is obtained by multiplying the estimate's standard error, here 8,000 persons, with the coefficient of the 95 per cent confidence interval.

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 95 per cent confidence intervals 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 confidence interval 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 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 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 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 (coefficient of variation) 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 correlation in variance estimation, the Labour Force Survey uses an approximation of single stage cluster sampling in which a within-cluster variance is calculated for persons interviewed several times during the year. Clusters are formed on the basis of interviewee's age. Within-cluster 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 had 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 big as could be expected on the basis of the 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, inter alia, employment and labour input by industry and more specific regional data. Quarterly deliveries of data are made to the EU, which are used to compile statistics on EU Member States. The most detailed data are released in the annual statistics which is finalised approximately six months from the end of the survey year.

5. Accessibility and transparency/clarity of data

The results of the Labour Force Survey are published in the Labour market series of the Official Statistics of Finland. The key monthly and quarterly results are released on predefined days in 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, among other things, to 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 available over the Internet also from Statistics Finland's chargeable time series and regional databases (ASTIKA and ALTIKA).

The annual publication of the labour force statistics contains a description of survey methodology, definitions of key concepts, descriptions of classifications used as well as the survey questionnaire. The tables of the annual publication are available also in electronic form. Statistics on the education of the labour force and occupational structure are published every other year also in the OSF Labour market series. In addition, Labour Force Survey data are published regularly in the Statistical Yearbook of Finland and the Bulletin of Statistics.

More and more data are delivered as special compilations according to customers' needs. The data of the Labour Force Survey and its ad hoc modules may also be released for research purposes on the basis of an application for licence to use statistical data.

Information service: tyovoimatutkimus@stat.fi and tel. +358 9 1734 2030.

6. Comparability of statistics

A monthly Labour Force Survey 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.

In the beginning, the survey with more limited data content was conducted as a postal inquiry. In 1976 the data contents expanded and methodology was 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 inquiry to a telephone interview, 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 European Union Labour Force Survey. In the beginning in the years 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. Several changes took place in 1997. The contents of the monthly survey were extended, data collection became a computer-assisted telephone interview (CATI) and concepts and definitions were harmonised to correspond better than before to the EU and ILO guidelines and recommendations. The most recent revision of the definition of an unemployed person was made in May 1998. In April 1999 data contents continued to expand as the monthly survey and the EU Labour Force Survey were combined into a single continuing Labour Force Survey. Since 2003 data contents expanded by a so called household section collected from a sub sample.

Published time series have been corrected retroactively as from 1989 to correspond to the renewed definitions. In the beginning of 2000 a continuing survey week was adopted, earlier the data for each month were collected concerning one survey week. The adoption of the continuing survey week affected working day and working hour data, which made them incomparable with earlier data as from 2000.

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 working life survey, statistics on labour disputes, statistics on accidents at work as well as an annual register-based employment statistics (RES).

Of these the RES provides data on the labour market activities of the population (http://tilastokeskus.fi/til/tyokay/index_en.html). Its data differ from those of the Labour Force Survey due to data collection methods and definitions of the employed and the unemployed. The RES is based on total data derived from the administrative data of different authorities. The RES data on a person's activities refer mainly to the last week in the year. Data on unemployment is based on the Ministry of Labour's register of unemployed job seekers. The statistics are finalised in a good 1 ½ years, preliminary data are ready after roughly one year. Since employment statistics are total data, they offer better regional data (also data on municipalities) 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 compilation of National Accounts. Because of this, among other things, the definitions of the key concepts in the Labour Force Survey such as population, employment, working hours, follow as closely as possible the recommendations of the national accounts (the UN System of National Accounts, SNA, and the European System of Accounts, ESA). The definition of the public sector used in the Labour Force Survey is somewhat different from the sectoral classification of the national accounts. In national accounts, conscripts are classified as employed, according to the ILO recommendation, whereas in the Labour Force Survey, conscripts are regarded as economically inactive.

The results of 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 Eurostat data. In most EU countries conscripts are not included in the target group of the Labour Force Survey, i.e. the so-called household population. This causes differences especially in the results concerning the 15 to 24-year-olds.

The Ministry of Labour also publishes statistics on unemployed job seekers. The Ministry's data are based on the Labour Exchange register, which describe the last working day of the month. The definition of unemployed applied in the Labour Exchange Statistics is based on legislation and administrative orders which make the statistical data internationally incomparable. In the Labour Exchange Statistics an unemployed person is not expected to seek work as actively as in the Labour Force Survey. There are differences also in the acceptance of students as unemployed.

Suomen virallinen tilasto
Finlands officiella statistik
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Labour Market 2007

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