

Earnings and Productivity Statistics in September 2016

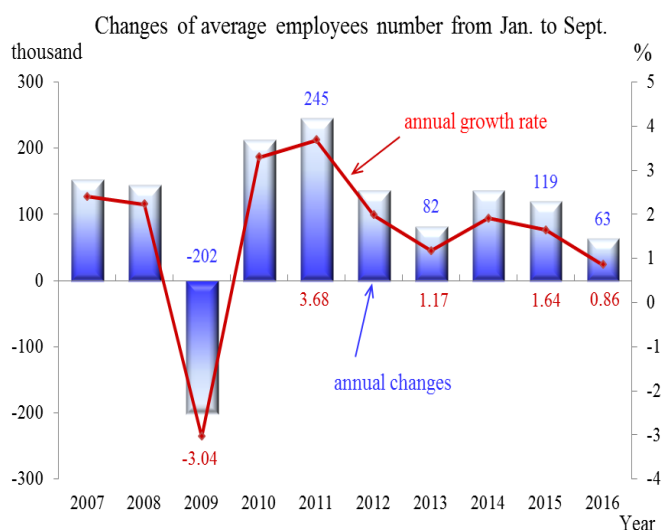
I. Abstract

- i. **At the end of September 2016, the total nonagricultural payroll employees, at 7,467 thousand,** decreased by 5 thousand (or 0.06%) from last month. In comparison with September 2015, payroll employees increased by 58 thousand (or 0.79%). The average payroll employees since January 2016 was 7,437 thousand, increased by 63 thousand (or 0.86%) than the same period of last year.
- ii. **The average monthly regular earnings per employee within the industry and service sector in September 2016 was NT\$39,135.** Comparing with last month and a year ago, there were 0.47% decreasing and 0.99% increasing respectively. Comparing the same period of January to September over last year, the average monthly regular earnings of NT\$39,144 was increased by 1.33%.
- iii. **The average monthly earnings (including regular and irregular earnings) in September 2016 was NT\$45,205,** decreased by 1.11% from last month and increased by 1.00% from last September. The average monthly earnings since January was NT\$50,097, increased by 0.24% than the same period of last year.
- iv. **The average monthly working hour for industry and service sector in September 2016 totaled to 162.0 hours,** which decreased by 23.3 hours from last month and decreased by 11.5 hours from last year. The average working-hour since January 2016 was 169.0 hours, 4.5 hours less than the same period of last year.

II. Statistical Results

i. Employees

At the end of September 2016, total nonagricultural payroll employees, at 7,467 thousand, decreased by 5 thousand (or 0.06%) from last month. Among all industries, the service sector shared 56.48%. Comparing to the same month of last year, the payroll employees increased 58 thousand (or 0.79%). The average payroll employees since January 2016 was 7,437 thousand, increased by 63 thousand (or 0.86%) than the same period of last year. The industry sector increased 0.13%, while the service sector increased by 1.43%. Among all industries, the largest increasing in payroll employees was Wholesale and Retail Trade (16 thousand), followed by Accommodation and Food Service Activities (14 thousand) and Human Health Activities (8 thousand).



ii. Turnover Rate

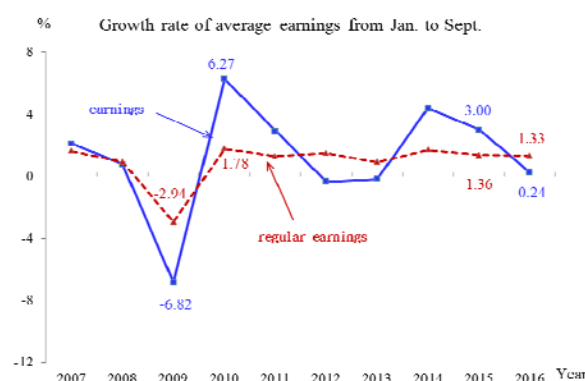
In September 2016, the total accession employment in industry and service sector was 191 thousand, which was 7 thousand less than last month. Meanwhile, there was 196 thousand employees separation, showed a net separation of 5 thousand employees.

The average accession rate within the industry and service sector in September 2016 was 2.56%, decreased by 0.08 percentage point from last month and increased by 0.09 percentage point from last September, while the separation rate of September was 2.62%, increased by 0.08 percentage point from last month and increased by 0.02 percentage point than last September. Comparing the same period of January to September over last year, the average accession rate was 2.33 percent, down by 0.10 percentage point. The average separation rate was 2.27%, down by 0.08 percentage point.

iii. Earnings

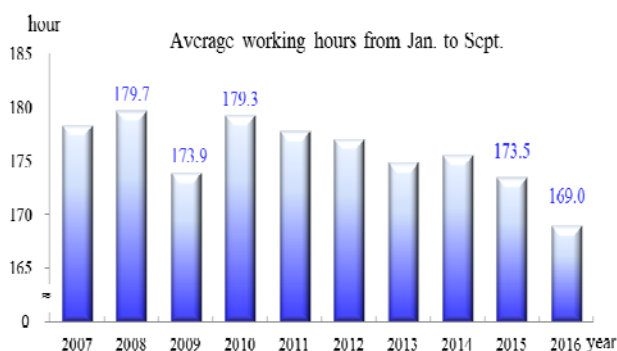
The average monthly regular earnings per employee within the industry and service sector in September 2016 was NT\$39,135. Comparing with last month and a year ago, there was 0.47% decreasing and 0.99% increasing respectively. The average monthly earnings (including regular and irregular earnings) in September was NT\$45,205, decreased by 1.11% from last month and increased by 1.00% from last September.

Comparing the same period of January to September over last year, the average monthly regular earnings of NT\$39,144 was increased by 1.33% and reached the highest level in record. The average monthly earnings was NT\$50,097, increased by 0.24%. After deflating by the consumer price index increasing rate of 1.27%, the average real regular earnings was 0.06% more and the average real earnings was 1.01% less than the same period of last year, respectively.



iv. Hours of work

The average monthly working hour for industry and service sector in September 2016 totaled to 162.0 hours, 23.3 hours less than last month and 11.5 hours less than previous year. The average working-hour since January 2016 was 169.0 hours, 4.5 hours less than the same period of last year. Included in the average working-hour, the regular working hours reduced by 4.3 hours while the overtime reduced 0.2 hours.



v. Labor Productivity and Unit Output Labor Cost

In September 2016, the manufacturing sector's labor productivity index was 114.19 (2011=100), increased by 10.34% from last month and up by 13.95% from the same month of last year. The manufacturing unit output labor cost index was 97.63 (2011=100), down by 1.26% from last month and down by 4.00% from the same month of last year.

The average labor productivity index since January 2016 was 3.24% more than the same period of last year, while the unit output labor cost index since January 2016 was reported 0.35% increasing.

Table 1 Summary of Earnings and Productivity Statistics in Taiwan Area

Year and month	Employees on payrolls			Industry & services								Manufacturing			
	Industry & Services (thousand person)	Industry (thousand person)	Services (thousand person)	Accessions		Separations		Monthly working hours of each employee (hour)	Monthly earnings of each employee (NT\$)			Employees on payrolls (thousand person)	Monthly earnings of each employee (NT\$)	Index of labor productivity (2011=100)	Index of unit output labor cost (2011=100)
				(thousand person)	(%)	(thousand person)	(%)		Regular earnings (NT\$)	Annual growth rate (%)					
Average 2002	5 650	2 762	2 888	129	2.28	118	2.07	181.4	41 530	34 746	0.75	2 319	38 435	64.23	135.84
Average 2003	5 785	2 808	2 977	139	2.39	125	2.15	181.3	42 065	34 804	0.17	2 373	39 549	68.56	130.53
Average 2004	6 026	2 901	3 125	145	2.40	126	2.08	183.5	42 680	35 096	0.84	2 461	40 657	71.83	126.56
Average 2005	6 201	2 933	3 268	159	2.57	146	2.34	181.9	43 159	35 382	0.81	2 479	41 858	74.40	127.30
Average 2006	6 373	2 979	3 395	170	2.67	157	2.44	180.9	43 488	35 724	0.97	2 510	42 393	77.43	124.89
Average 2007	6 524	3 024	3 501	168	2.58	155	2.38	180.4	44 392	36 319	1.67	2 541	43 178	83.03	118.64
Average 2008	6 632	3 045	3 587	155	2.35	164	2.46	179.7	44 367	36 387	0.19	2 557	43 121	82.93	120.42
Average 2009	6 466	2 873	3 593	145	2.25	148	2.28	176.7	42 182	35 629	-2.08	2 395	39 125	83.87	111.31
Average 2010	6 691	2 990	3 701	189	2.83	167	2.50	181.1	44 359	36 214	1.64	2 494	42 300	96.88	98.84
Average 2011	6 926	3 097	3 829	181	2.61	165	2.38	178.7	45 508	36 689	1.31	2 593	43 316	100.00	100.00
Average 2012	7 049	3 129	3 919	160	2.27	153	2.18	178.4	45 589	37 151	1.26	2 619	43 689	99.34	102.25
Average 2013	7 138	3 152	3 986	167	2.34	158	2.21	177.0	45 664	37 527	1.01	2 635	43 829	99.37	102.53
Average 2014	7 275	3 207	4 068	182	2.51	171	2.35	177.9	47 300	38 208	1.81	2 687	45 207	103.46	101.09
Average 2015	7 385	3 239	4 147	171	2.33	165	2.23	175.3	48 490	38 716	1.33	2 717	46 781	102.52	107.38
Sept.	7 409	3 242	4 167	183	2.47	192	2.60	173.5	44 759	38 750	0.95	2 719	43 117	100.21	101.70
Oct.	7 412	3 243	4 169	161	2.18	158	2.13	178.0	42 888	38 941	1.20	2 719	40 680	100.94	93.72
Nov.	7 421	3 243	4 178	148	1.99	139	1.88	176.5	42 545	38 834	1.45	2 718	41 146	99.26	97.30
Dec.	7 427	3 243	4 185	135	1.82	129	1.74	188.1	46 736	39 129	1.04	2 717	43 879	96.60	100.15
2016 Jan. ~ Sept.	7 437	3 241	4 196	173	2.33	169	2.27	169.0	50 097	39 144	1.33	2 719	48 474	107.14	111.17
Jan.	7 431	3 240	4 191	149	2.00	145	1.95	173.8	75 321	39 141	1.54	2 717	74 735	101.00	177.44
Feb.	7 412	3 231	4 181	136	1.82	155	2.08	132.9	59 508	38 636	1.28	2 712	56 609	113.41	159.10
Mar.	7 417	3 235	4 182	186	2.52	182	2.45	186.3	43 880	39 208	1.78	2 714	40 798	100.52	90.24
Apr.	7 418	3 234	4 184	164	2.21	163	2.20	162.3	43 560	39 241	1.68	2 712	40 694	109.43	95.18
May	7 423	3 237	4 186	159	2.14	154	2.07	175.9	45 828	39 260	1.61	2 715	43 107	106.33	95.42
June	7 429	3 239	4 190	165	2.22	159	2.14	172.1	44 998	39 151	0.82	2 717	42 883	108.44	95.15
July	7 464	3 254	4 210	213	2.86	177	2.38	170.1	46 919	39 205	0.86	2 730	47 881	110.46	105.67
Aug.	7 472	3 254	4 218	198	2.64	190	2.54	185.3	45 713	39 318	1.40	2 729	45 835	103.49	98.88
Sept.	7 467	3 249	4 218	191	2.56	196	2.62	162.0	45 205	39 135	0.99	2 726	43 749	114.19	97.63
The change compared with the last month(%)	-0.06	-0.14	-0.01	3.36	(-0.08)	3.12	(0.08)	(-23.3)	-1.11	-0.47		-0.12	-4.55	10.34	-1.26
The change compared with the same month of last year(%)	0.79	0.23	1.23	4.20	(0.09)	1.68	(0.02)	(-11.5)	1.00	0.99		0.27	1.47	13.95	-4.00
The change compared with the same period (Jan. ~ Sept.) of last year(%)	0.86	0.13	1.43	3.30	(-0.10)	-1.93	(-0.08)	(-4.5)	0.24	1.33		0.12	0.14	3.24	0.35

Notes: 1. Numbers in quotation are time-increased, time-decreased or percentage.

Unit of compiled: DGBAS, EXECUTIVE YUAN

Date of compiled: Nov. 22, 2016

2. Monthly earnings of all employees are the total of regular (basic salary, monthly bonus, fixed subsidy and good attendance reward) and irregular (over-time, annual bonus, flexible bonus not paid by month) earnings of employees on payroll, but exclude the non-working reward such as insurance and pension.

3. Number of employees at the end of this month = Number of employees at the end of last month + Number of accession in this month - Number of separation in this month. However, the formula above does not apply on annual average data since the annual employees number is mean of a year not the number at the end of a year.

4. Both Industry & Services and Services Sectors statistics covered Education Industry (only other education and educational support activities are included) since January 2009.

Table 2 Non-agricultural payroll employee's January to September accumulated earnings statistics

Year	(A)		(B)		(A)/(C)×100		(B)/(C)×100		(C)	
	Monthly earnings of each employee (NT\$)	Annual Growth rate (%)	Regular earnings of each employee (NT\$)	Annual Growth rate (%)	Real earnings of each employee, at 2011 price (NT\$)	Annual Growth rate (%)	Real regular earnings of each employee, at 2011 price (NT\$)	Annual Growth rate (%)	CPI (2011=100)	Annual Growth rate (%)
1997	39 336	5.07	30 830	4.23	45 162	3.76	35 396	2.93	87.10	1.27
1998	40 733	3.55	31 896	3.46	46 167	2.23	36 151	2.13	88.23	1.30
1999	41 622	2.18	32 865	3.04	47 046	1.90	37 148	2.76	88.47	0.27
2000	42 843	2.93	33 870	3.06	47 891	1.80	37 860	1.92	89.46	1.12
2001	42 885	0.10	34 388	1.53	47 841	-0.10	38 362	1.33	89.64	0.20
2002	42 461	-0.99	34 725	0.98	47 416	-0.89	38 777	1.08	89.55	-0.10
2003	42 781	0.75	34 746	0.06	47 918	1.06	38 918	0.36	89.28	-0.30
2004	43 604	1.92	35 024	0.80	48 101	0.38	38 637	-0.72	90.65	1.53
2005	44 250	1.48	35 312	0.82	47 745	-0.74	38 101	-1.39	92.68	2.24
2006	44 571	0.73	35 655	0.97	47 690	-0.12	38 150	0.13	93.46	0.84
2007	45 507	2.10	36 232	1.62	48 258	1.19	38 422	0.71	94.30	0.90
2008	45 864	0.78	36 569	0.93	46 724	-3.18	37 254	-3.04	98.16	4.09
2009	42 735	-6.82	35 495	-2.94	43 858	-6.13	36 428	-2.22	97.44	-0.73
2010	45 413	6.27	36 126	1.78	46 184	5.30	36 740	0.86	98.33	0.91
2011	46 740	2.92	36 591	1.29	46 867	1.48	36 690	-0.14	99.73	1.42
2012	46 577	-0.35	37 134	1.48	45 807	-2.26	36 520	-0.46	101.68	1.96
2013	46 489	-0.19	37 476	0.92	45 324	-1.05	36 537	0.05	102.57	0.88
2014	48 521	4.37	38 111	1.69	46 691	3.02	36 673	0.37	103.92	1.32
2015	49 977	3.00	38 631	1.36	48 343	3.54	37 368	1.90	103.38	-0.52
2016	50 097	0.24	39 144	1.33	47 853	-1.01	37 390	0.06	104.69	1.27

Note: same table 1

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