

2 Mortality

The status of deaths, except those of persons aged below 15, by employment status, occupation and industry at the time of death, is as follows.

(1) Mortality by employment status and by sex

Of total 1,069,209 deaths in FY 2005, 134,641 were employed, and 851,755 were non-employed.

Of 576,302 male deaths, 103,982 were employed, and 424,736 were non-employed. The proportion of employed male deaths was 18.0%.

Of 492,907 female deaths, 30,659 were employed, and 427,019 were non-employed. The proportion of employed female deaths was 6.2%.

By sex and age group, the rate of employed males is high in “25 - 29 years” to “55 - 59 years”, while the rate of non-employed males is high in other age groups. The rate of non-employed females is high in all age groups. The rates of non-employed males and females rise once in “45 - 49 years”.

Table 4 Deaths and percent distribution by sex and by employment status in each age group, FY 2005

Age	Total				Male				Female			
	Total	Employed	Non-employed	Not stated	Total	Employed	Non-employed	Not stated	Total	Employed	Non-employed	Not stated
Deaths												
Total	1 069 209	134 641	851 755	82 813	576 302	103 982	424 736	47 584	492 907	30 659	427 019	35 229
15~19 years	1 861	300	1 320	241	1 272	232	868	172	589	68	452	69
20~24	3 287	1 136	1 686	465	2 251	854	1 082	315	1 036	282	604	150
25~29	4 086	1 800	1 698	588	2 828	1 443	975	410	1 258	357	723	178
30~34	5 892	2 472	2 566	854	3 883	1 956	1 325	602	2 009	516	1 241	252
35~39	7 344	3 063	3 268	1 013	4 887	2 459	1 753	675	2 457	604	1 515	338
40~44	10 043	4 173	4 537	1 333	6 663	3 341	2 418	904	3 380	832	2 119	429
45~49	15 530	6 758	6 808	1 964	10 396	5 349	3 683	1 364	5 134	1 409	3 125	600
50~54	28 068	11 227	13 424	3 417	18 943	9 014	7 513	2 416	9 125	2 213	5 911	1 001
55~59	49 803	18 355	25 457	5 991	34 429	15 062	15 037	4 330	15 374	3 293	10 420	1 661
60~64	60 848	13 880	40 632	6 336	42 583	11 423	26 630	4 530	18 265	2 457	14 002	1 806
65~69	79 661	12 950	59 749	6 962	54 477	10 388	39 190	4 899	25 184	2 562	20 559	2 063
70~74	118 893	14 854	95 202	8 837	78 777	11 939	60 913	5 925	40 116	2 915	34 289	2 912
75 years and over	683 316	43 667	595 351	44 298	314 436	30 516	263 305	20 615	368 880	13 151	332 046	23 683
Not stated	577	6	57	514	477	6	44	427	100	-	13	87
Percent Distribution (%)												
Total	100.0	12.6	79.7	...	100.0	18.0	73.7	...	100.0	6.2	86.6	...
15~19 years	100.0	16.1	70.9	...	100.0	18.2	68.2	...	100.0	11.5	76.7	...
20~24	100.0	34.6	51.3	...	100.0	37.9	48.1	...	100.0	27.2	58.3	...
25~29	100.0	44.1	41.6	...	100.0	51.0	34.5	...	100.0	28.4	57.5	...
30~34	100.0	42.0	43.6	...	100.0	50.4	34.1	...	100.0	25.7	61.8	...
35~39	100.0	41.7	44.5	...	100.0	50.3	35.9	...	100.0	24.6	61.7	...
40~44	100.0	41.6	45.2	...	100.0	50.1	36.3	...	100.0	24.6	62.7	...
45~49	100.0	43.5	43.8	...	100.0	51.5	35.4	...	100.0	27.4	60.9	...
50~54	100.0	40.0	47.8	...	100.0	47.6	39.7	...	100.0	24.3	64.8	...
55~59	100.0	36.9	51.1	...	100.0	43.7	43.7	...	100.0	21.4	67.8	...
60~64	100.0	22.8	66.8	...	100.0	26.8	62.5	...	100.0	13.5	76.7	...
65~69	100.0	16.3	75.0	...	100.0	19.1	71.9	...	100.0	10.2	81.6	...
70~74	100.0	12.5	80.1	...	100.0	15.2	77.3	...	100.0	7.3	85.5	...
75 years and over	100.0	6.4	87.1	...	100.0	9.7	83.7	...	100.0	3.6	90.0	...

Note: The total of employment status proportions include "Employment Status Not Stated".

Death rates (per 1,000 population) in FY 2005 stood at 9.8 in total, 2.2 for employed persons, and 19.2 for non-employed persons.

The death rates of males were 10.9 in total, 2.9 for employed, and 28.3 for non-employed.

The death rates for females were 8.8 in total, 1.2 for employed, and 14.5 for non-employed.

By sex and age group, the death rates of non-employed persons are higher in almost all the age groups.

Table 5 Death rates by sex and by employment status in each age group, FY 2005
(per 1,000 population)

Age	Total			Male			Female		
	Total	Employed	Non-employed	Total	Employed	Non-employed	Total	Employed	Non-employed
Total	9.8	2.2	19.2	10.9	2.9	28.3	8.8	1.2	14.5
15~19 years	0.3	0.3	0.2	0.4	0.5	0.3	0.2	0.2	0.2
20~24	0.5	0.3	0.7	0.6	0.4	0.9	0.3	0.1	0.5
25~29	0.5	0.3	1.0	0.7	0.4	2.1	0.3	0.1	0.6
30~34	0.6	0.4	1.1	0.8	0.5	3.4	0.4	0.2	0.7
35~39	0.9	0.5	1.7	1.1	0.6	5.7	0.6	0.2	0.9
40~44	1.3	0.7	3.0	1.7	0.9	9.3	0.9	0.3	1.7
45~49	2.0	1.1	5.2	2.7	1.6	14.6	1.3	0.5	2.9
50~54	3.2	1.7	7.6	4.3	2.3	21.6	2.1	0.8	4.2
55~59	4.9	2.5	9.6	6.8	3.4	28.2	3.0	1.1	4.9
60~64	7.1	3.1	10.4	10.3	4.2	20.7	4.2	1.4	5.4
65~69	10.7	4.9	12.9	15.4	6.4	21.9	6.5	2.6	7.2
70~74	17.9	9.6	19.3	25.9	12.3	30.9	11.2	5.0	11.6
75 years and over	58.9	35.5	59.0	73.3	40.2	77.8	50.5	27.9	49.5

Note: The total of employment status figures include "Employment Status Not Stated", and the total of age group figures include "Age Not Stated".

(2) Mortality by leading cause of death, by employment status and occupation

As for the proportions of leading causes of male deaths by employment status in FY 2005, “malignant neoplasms” was the largest for both employed (38.6%) and non-employed (32.9%). By occupation, the percentage was the highest in “management” at 46.1%, and the lowest in “security work” at 30.9%.

For employed males, “malignant neoplasms” is followed by heart diseases, cerebrovascular diseases, suicide, and accidents in this order, and by heart diseases, pneumonia, cerebrovascular diseases, and accidents in this order for non-employed males.

Table 6-1 Male deaths and percent distribution by leading cause, by employment status and by occupation, FY 2005

Occupation	All causes	Malignant neoplasms	Heart diseases (except for hypertensive disease)	Cerebrovascular diseases	Pneumonia	Senility	Accidents	Suicide	Other causes
Deaths									
Total	576 302	195 810	82 764	62 302	56 277	6 696	23 686	21 869	126 898
Employed Total (Employed)	103 982	40 150	14 429	9 989	4 671	406	7 470	9 205	17 662
A Specialist work	16 346	6 590	2 199	1 516	706	60	1 037	1 470	2 768
B Management	9 899	4 568	1 266	833	543	47	412	478	1 752
C Clerical work	5 224	2 102	750	469	89	8	336	758	712
D Sales work	11 853	4 740	1 631	1 143	597	47	638	977	2 080
E Service work	9 432	3 425	1 358	939	371	18	681	994	1 646
F Security work	2 103	650	361	179	46	6	205	323	333
G Agriculture, forestry and fisheries	22 204	8 473	3 169	2 327	1 496	165	1 556	849	4 169
H Transport and communications	4 735	1 548	762	469	78	3	576	688	611
I Production process and related work	15 121	5 275	1 959	1 462	406	28	1 599	2 042	2 350
J Occupation unknown	7 065	2 779	974	652	339	24	430	626	1 241
Non-employed	424 736	139 601	61 474	47 529	47 595	5 879	14 001	9 803	98 854
Not stated	47 584	16 059	6 861	4 784	4 011	411	2 215	2 861	10 382
Percent Distribution (%)									
Total	100.0	34.0	14.4	10.8	9.8	1.2	4.1	3.8	22.0
Employed Total (Employed)	100.0	38.6	13.9	9.6	4.5	0.4	7.2	8.9	17.0
A Specialist work	100.0	40.3	13.5	9.3	4.3	0.4	6.3	9.0	16.9
B Management	100.0	46.1	12.8	8.4	5.5	0.5	4.2	4.8	17.7
C Clerical work	100.0	40.2	14.4	9.0	1.7	0.2	6.4	14.5	13.6
D Sales work	100.0	40.0	13.8	9.6	5.0	0.4	5.4	8.2	17.5
E Service work	100.0	36.3	14.4	10.0	3.9	0.2	7.2	10.5	17.5
F Security work	100.0	30.9	17.2	8.5	2.2	0.3	9.7	15.4	15.8
G Agriculture, forestry and fisheries	100.0	38.2	14.3	10.5	6.7	0.7	7.0	3.8	18.8
H Transport and communications	100.0	32.7	16.1	9.9	1.6	0.1	12.2	14.5	12.9
I Production process and related work	100.0	34.9	13.0	9.7	2.7	0.2	10.6	13.5	15.5
Non-employed	100.0	32.9	14.5	11.2	11.2	1.4	3.3	2.3	23.3

Subsequently, as for the proportions of leading causes of female deaths by employment status in FY 2005, “malignant neoplasms” was the largest for both employed (38.3%) and non-employed (25.1%). By occupation, the percentage was the highest in “clerical work” at 45.9%, and the lowest in “security work” at 32.7%.

For employed females, “malignant neoplasms” is followed by heart diseases, cerebrovascular diseases, accidents, and pneumonia in this order, and by heart diseases, cerebrovascular diseases, pneumonia, and senility in this order for non-employed females.

Table 6-2 Female deaths and percent distribution by leading cause, by employment status and by occupation, FY 2005

Occupation	All causes	Malignant neoplasms	Heart diseases (except for hypertensive disease)	Cerebrovascular diseases	Pneumonia	Senility	Accidents	Suicide	Other causes
Deaths									
Total	492 907	129 019	88 505	67 956	49 215	19 823	14 901	8 176	115 312
Employed Total (Employed)	30 659	11 741	4 201	3 992	1 536	464	1 618	1 443	5 664
A Specialist work	4 100	1 653	503	483	191	57	213	243	757
B Management	2 234	930	320	267	144	26	79	42	426
C Clerical work	2 500	1 148	225	283	53	20	156	222	393
D Sales work	4 297	1 640	629	568	225	55	185	162	833
E Service work	4 747	1 800	622	657	174	39	313	291	851
F Security work	358	117	47	58	22	9	14	15	76
G Agriculture, forestry and fisheries	6 179	2 113	980	887	375	167	353	179	1 125
H Transport and communications	553	209	69	72	37	6	21	33	106
I Production process and related work	2 678	1 007	381	333	129	31	166	137	494
J Occupation unknown	3 013	1 124	425	384	186	54	118	119	603
Non-employed	427 019	107 308	78 316	59 394	44 379	18 158	12 190	5 863	101 411
Not stated	35 229	9 970	5 988	4 570	3 300	1 201	1 093	870	8 237
Percent Distribution (%)									
Total	100.0	26.2	18.0	13.8	10.0	4.0	3.0	1.7	23.4
Employed Total (Employed)	100.0	38.3	13.7	13.0	5.0	1.5	5.3	4.7	18.5
A Specialist work	100.0	40.3	12.3	11.8	4.7	1.4	5.2	5.9	18.5
B Management	100.0	41.6	14.3	12.0	6.4	1.2	3.5	1.9	19.1
C Clerical work	100.0	45.9	9.0	11.3	2.1	0.8	6.2	8.9	15.7
D Sales work	100.0	38.2	14.6	13.2	5.2	1.3	4.3	3.8	19.4
E Service work	100.0	37.9	13.1	13.8	3.7	0.8	6.6	6.1	17.9
F Security work	100.0	32.7	13.1	16.2	6.1	2.5	3.9	4.2	21.2
G Agriculture, forestry and fisheries	100.0	34.2	15.9	14.4	6.1	2.7	5.7	2.9	18.2
H Transport and communications	100.0	37.8	12.5	13.0	6.7	1.1	3.8	6.0	19.2
I Production process and related work	100.0	37.6	14.2	12.4	4.8	1.2	6.2	5.1	18.4
Non-employed	100.0	25.1	18.3	13.9	10.4	4.3	2.9	1.4	23.7

(3) Mortality by leading cause of death by industry

The proportions of leading causes of male deaths by industry in FY 2005, “malignant neoplasms” was the highest in “Finance and Insurance” at 47.2%, and the lowest in “Compound Services” at 33.8%.

“Heart diseases” was the highest in “Transport” at 15.9%, and the lowest in “Mining” at 11.3%. “Cerebrovascular diseases” was the highest in “Eating and Drinking Places, Accommodations” at 11.0%, and the lowest in “Government” at 7.0%.

Table 7-1 Male deaths and percent distribution by leading cause, by employment status and by industry, FY 2005

Industry	All causes	Malignant neoplasms	Heart diseases (except for hypertensive disease)	Cerebrovascular diseases	Pneumonia	Senility	Accidents	Suicide	Other causes
Deaths									
Total	576 302	195 810	82 764	62 302	56 277	6 696	23 686	21 869	126 898
Employed Total (Employed)	103 982	40 150	14 429	9 989	4 671	406	7 470	9 205	17 662
Primary Industry	23 802	9 094	3 395	2 509	1 602	171	1 651	942	4 438
A Agriculture	21 649	8 233	3 090	2 328	1 521	163	1 369	813	4 132
B Forestry	585	219	88	50	26	5	80	40	77
C Fisheries	1 568	642	217	131	55	3	202	89	229
Secondary Industry	24 103	9 398	3 056	2 250	739	53	2 068	2 802	3 737
D Mining	813	336	92	66	35	1	64	79	140
E Construction	11 566	4 384	1 450	1 093	276	17	1 101	1 495	1 750
F Manufacturing	11 724	4 678	1 514	1 091	428	35	903	1 228	1 847
Tertiary Industry	44 451	17 118	6 334	4 161	1 801	152	3 012	4 394	7 479
G Electricity, Gas, Heat Supply and Water	2 545	980	338	222	90	13	194	279	429
H Information and Communications	1 638	616	231	157	31	-	140	218	245
I Transport	5 734	1 985	911	553	114	4	637	762	768
J Wholesale and Retail Trade	10 393	4 217	1 442	999	545	48	520	765	1 857
K Finance and Insurance	1 013	478	135	80	13	2	58	104	143
L Real Estate	2 791	1 071	416	282	224	15	109	108	566
M Eating and Drinking Places, Accommodations	3 563	1 285	481	392	119	5	268	375	638
N Medical, Health Care and Welfare	2 658	1 049	365	234	141	17	136	212	504
O Education, Learning Support	1 292	552	194	115	39	5	72	121	194
P Compound Services	529	179	71	52	15	1	41	77	93
Q Other Services	9 656	3 644	1 432	890	424	36	629	903	1 698
R Government	2 639	1 062	318	185	46	6	208	470	344
S Industry unknown	11 626	4 540	1 644	1 069	529	30	739	1 067	2 008
Non-employed	424 736	139 601	61 474	47 529	47 595	5 879	14 001	9 803	98 854
Not stated	47 584	16 059	6 861	4 784	4 011	411	2 215	2 861	10 382
Percent Distribution (%)									
Total	100.0	34.0	14.4	10.8	9.8	1.2	4.1	3.8	22.0
Employed Total (Employed)	100.0	38.6	13.9	9.6	4.5	0.4	7.2	8.9	17.0
Primary Industry	100.0	38.2	14.3	10.5	6.7	0.7	6.9	4.0	18.6
A Agriculture	100.0	38.0	14.3	10.8	7.0	0.8	6.3	3.8	19.1
B Forestry	100.0	37.4	15.0	8.5	4.4	0.9	13.7	6.8	13.2
C Fisheries	100.0	40.9	13.8	8.4	3.5	0.2	12.9	5.7	14.6
Secondary Industry	100.0	39.0	12.7	9.3	3.1	0.2	8.6	11.6	15.5
D Mining	100.0	41.3	11.3	8.1	4.3	0.1	7.9	9.7	17.2
E Construction	100.0	37.9	12.5	9.5	2.4	0.1	9.5	12.9	15.1
F Manufacturing	100.0	39.9	12.9	9.3	3.7	0.3	7.7	10.5	15.8
Tertiary Industry	100.0	38.5	14.2	9.4	4.1	0.3	6.8	9.9	16.8
G Electricity, Gas, Heat Supply and Water	100.0	38.5	13.3	8.7	3.5	0.5	7.6	11.0	16.9
H Information and Communications	100.0	37.6	14.1	9.6	1.9	-	8.5	13.3	15.0
I Transport	100.0	34.6	15.9	9.6	2.0	0.1	11.1	13.3	13.4
J Wholesale and Retail Trade	100.0	40.6	13.9	9.6	5.2	0.5	5.0	7.4	17.9
K Finance and Insurance	100.0	47.2	13.3	7.9	1.3	0.2	5.7	10.3	14.1
L Real Estate	100.0	38.4	14.9	10.1	8.0	0.5	3.9	3.9	20.3
M Eating and Drinking Places, Accommodations	100.0	36.1	13.5	11.0	3.3	0.1	7.5	10.5	17.9
N Medical, Health Care and Welfare	100.0	39.5	13.7	8.8	5.3	0.6	5.1	8.0	19.0
O Education, Learning Support	100.0	42.7	15.0	8.9	3.0	0.4	5.6	9.4	15.0
P Compound Services	100.0	33.8	13.4	9.8	2.8	0.2	7.8	14.6	17.6
Q Other Services	100.0	37.7	14.8	9.2	4.4	0.4	6.5	9.4	17.6
R Government	100.0	40.2	12.1	7.0	1.7	0.2	7.9	17.8	13.0
Non-employed	100.0	32.9	14.5	11.2	11.2	1.4	3.3	2.3	23.3

The proportions of leading causes of female deaths by industry in FY 2005, “malignant neoplasms” was the highest in “Finance and Insurance” at 57.6%, and the lowest in “Real Estate” at 31.9%.

“Heart diseases” was the highest in “Forestry” at 18.6%, and the lowest in “Finance and Insurance” at 6.7%. “Cerebrovascular diseases” was the highest in “Forestry” at 16.5%, and the lowest in “Finance and Insurance” at 9.3%.

Table 7-2 Female deaths and percent distribution by leading cause, by employment status and by industry, FY 2005

Industry	All causes	Malignant neoplasms	Heart diseases (except for hypertensive disease)	Cerebrovascular diseases	Pneumonia	Senility	Accidents	Suicide	Other causes
Deaths									
Total	492 907	129 019	88 505	67 956	49 215	19 823	14 901	8 176	115 312
Employed Total (Employed)	30 659	11 741	4 201	3 992	1 536	464	1 618	1 443	5 664
Primary Industry	6 765	2 314	1 069	958	422	187	389	203	1 223
A Agriculture	6 356	2 165	1 018	905	403	180	355	182	1 148
B Forestry	97	34	18	16	4	1	6	2	16
C Fisheries	312	115	33	37	15	6	28	19	59
Secondary Industry	4 678	1 897	632	548	225	52	236	217	871
D Mining	211	92	28	23	10	5	8	8	37
E Construction	1 624	664	219	181	97	15	73	59	316
F Manufacturing	2 843	1 141	385	344	118	32	155	150	518
Tertiary Industry	14 742	5 875	1 891	1 909	636	159	795	807	2 670
G Electricity, Gas, Heat Supply and Water	484	193	62	67	20	4	24	16	98
H Information and Communications	374	146	35	45	12	4	24	40	68
I Transport	845	316	123	103	45	11	42	44	161
J Wholesale and Retail Trade	3 795	1 460	530	504	191	43	174	153	740
K Finance and Insurance	387	223	26	36	21	2	13	20	46
L Real Estate	1 249	399	205	163	99	28	37	19	299
M Eating and Drinking Places, Accommodations	1 864	716	223	283	66	16	114	124	322
N Medical, Health Care and Welfare	1 429	602	146	152	35	13	118	154	209
O Education, Learning Support	687	333	67	93	18	2	36	33	105
P Compound Services	129	54	17	13	3	1	9	14	18
Q Other Services	2 990	1 217	408	385	105	28	179	144	524
R Government	509	216	49	65	21	7	25	46	80
S Industry unknown	4 474	1 655	609	577	253	66	198	216	900
Non-employed	427 019	107 308	78 316	59 394	44 379	18 158	12 190	5 863	101 411
Not stated	35 229	9 970	5 988	4 570	3 300	1 201	1 093	870	8 237
Percent Distribution (%)									
Total	100.0	26.2	18.0	13.8	10.0	4.0	3.0	1.7	23.4
Employed Total (Employed)	100.0	38.3	13.7	13.0	5.0	1.5	5.3	4.7	18.5
Primary Industry	100.0	34.2	15.8	14.2	6.2	2.8	5.8	3.0	18.1
A Agriculture	100.0	34.1	16.0	14.2	6.3	2.8	5.6	2.9	18.1
B Forestry	100.0	35.1	18.6	16.5	4.1	1.0	6.2	2.1	16.5
C Fisheries	100.0	36.9	10.6	11.9	4.8	1.9	9.0	6.1	18.9
Secondary Industry	100.0	40.6	13.5	11.7	4.8	1.1	5.0	4.6	18.6
D Mining	100.0	43.6	13.3	10.9	4.7	2.4	3.8	3.8	17.5
E Construction	100.0	40.9	13.5	11.1	6.0	0.9	4.5	3.6	19.5
F Manufacturing	100.0	40.1	13.5	12.1	4.2	1.1	5.5	5.3	18.2
Tertiary Industry	100.0	39.9	12.8	12.9	4.3	1.1	5.4	5.5	18.1
G Electricity, Gas, Heat Supply and Water	100.0	39.9	12.8	13.8	4.1	0.8	5.0	3.3	20.2
H Information and Communications	100.0	39.0	9.4	12.0	3.2	1.1	6.4	10.7	18.2
I Transport	100.0	37.4	14.6	12.2	5.3	1.3	5.0	5.2	19.1
J Wholesale and Retail Trade	100.0	38.5	14.0	13.3	5.0	1.1	4.6	4.0	19.5
K Finance and Insurance	100.0	57.6	6.7	9.3	5.4	0.5	3.4	5.2	11.9
L Real Estate	100.0	31.9	16.4	13.1	7.9	2.2	3.0	1.5	23.9
M Eating and Drinking Places, Accommodations	100.0	38.4	12.0	15.2	3.5	0.9	6.1	6.7	17.3
N Medical, Health Care and Welfare	100.0	42.1	10.2	10.6	2.4	0.9	8.3	10.8	14.6
O Education, Learning Support	100.0	48.5	9.8	13.5	2.6	0.3	5.2	4.8	15.3
P Compound Services	100.0	41.9	13.2	10.1	2.3	0.8	7.0	10.9	14.0
Q Other Services	100.0	40.7	13.6	12.9	3.5	0.9	6.0	4.8	17.5
R Government	100.0	42.4	9.6	12.8	4.1	1.4	4.9	9.0	15.7
Non-employed	100.0	25.1	18.3	13.9	10.4	4.3	2.9	1.4	23.7