

## 2 General mortality

### (1) Deaths by sex and employment status/occupation

As for the deaths in FY2015 by sex and employment status, 81,022 men were employed at the time of death (12.2% of the total of male deaths), and 525,996 (79.2%) were non-employed, whereas 30,441 women were employed at the time of death (4.9% of the total of female deaths) and 543,865 (87.8%) were non-employed.

Age-adjusted death rate by sex and occupation in FY2015 (per 1,000 population) was the highest in "Service workers" for men at 4.8, and in "Construction and mining workers" for women at 22.9. (Table 4)

Table 4 Deaths, death rates and age-adjusted death rates by sex and employment status/occupation, FY2015

Employment status/occupation	Deaths		Death rates (per 1,000 population)	Age-adjusted death rates (per 1,000 population)	Mean age at the time of death (years old)
	(persons)	Proportion (%)			
<b>Male</b>					
Total	664 204	100.0	12.5	6.4	77.7
Total number of employed persons (Employed)	81 022	12.2	2.5	2.8	68.0
A. Administrative and managerial workers	7 939	1.2	6.9	...	73.2
B. Professional and engineering workers	10 542	1.6	2.2	3.5	66.1
C. Clerical workers	3 534	0.5	0.8	1.2	58.3
D. Sales workers	8 023	1.2	1.9	2.5	68.5
E. Service workers	9 098	1.4	4.2	4.8	66.5
F. Security workers	1 253	0.2	1.2	1.4	59.3
G. Agricultural, forestry and fishery workers	15 136	2.3	11.3	4.1	77.6
H. Manufacturing process workers	6 152	0.9	1.1	1.5	61.6
I. Transport and machine operation workers	3 357	0.5	1.7	2.3	61.2
J. Construction and mining workers	6 703	1.0	2.7	3.5	62.8
K. Carrying, cleaning, packaging, and related workers	1 816	0.3	0.9	0.8	61.4
L. Occupation not stated	7 469	1.1	...	...	...
Non-employed	525 996	79.2	33.2	13.2	79.6
Not stated	57 186	8.6	...	...	...
<b>Female</b>					
Total	619 502	100.0	10.9	3.9	84.3
Total number of employed persons (Employed)	30 441	4.9	1.2	1.7	72.7
A. Administrative and managerial workers	2 285	0.4	10.2	...	77.9
B. Professional and engineering workers	3 559	0.6	0.8	2.8	67.0
C. Clerical workers	2 357	0.4	0.4	0.6	60.3
D. Sales workers	3 299	0.5	1.0	1.4	73.2
E. Service workers	5 260	0.8	1.1	1.7	69.4
F. Security workers	240	0.0	3.5	...	71.1
G. Agricultural, forestry and fishery workers	5 099	0.8	6.5	2.0	82.0
H. Manufacturing process workers	1 683	0.3	0.8	1.2	68.6
I. Transport and machine operation workers	643	0.1	9.5	...	71.7
J. Construction and mining workers	1 124	0.2	18.4	22.9	72.6
K. Carrying, cleaning, packaging, and related workers	541	0.1	0.3	0.3	68.8
L. Occupation not stated	4 351	0.7	...	...	...
Non-employed	543 865	87.8	19.9	5.0	85.2
Not stated	45 196	7.3	...	...	...

**(2) Deaths by sex and employment status/industry**

Age-adjusted death rate by sex and industry in FY2015 (per 1,000 population) was the highest in “Mining and quarrying of stone and gravel” for men at 31.4 and in “Compound services” for women at 6.5. (Table 5)

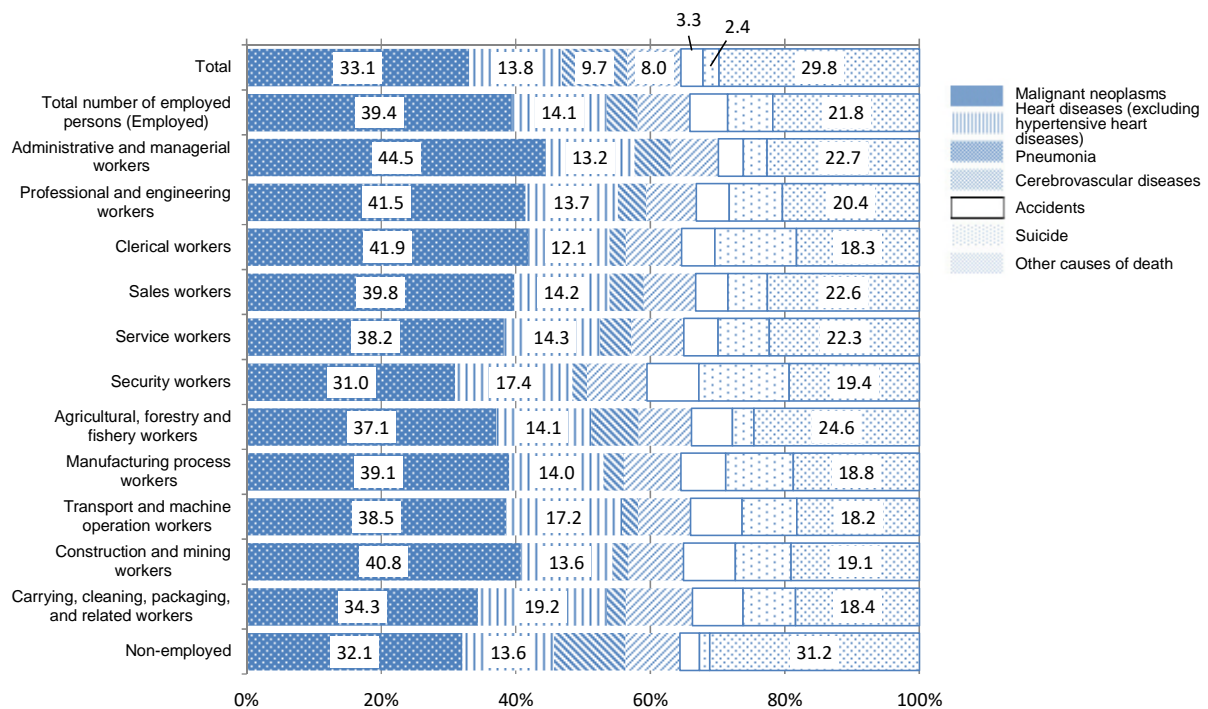
**Table 5 Deaths, death rates and age-adjusted death rates by sex and employment status/industry, FY2015**

Employment status/industry	Deaths		Death rates (per 1,000 population)	Age-adjusted death rates (per 1,000 population)	Mean age at the time of death (years old)
	(persons)	Proportion (%)			
<b>Male</b>					
Total	664 204	100.0	12.5	6.4	77.7
Total number of employed persons (Employed)	81 022	12.2	2.5	2.8	68.0
Primary sector	16 066	2.4	11.9	4.5	77.2
A. Agriculture and forestry	14 813	2.2	12.0	4.2	77.8
B. Fisheries	1 253	0.2	10.9	6.5	70.1
Secondary sector	18 391	2.8	1.8	2.6	63.7
C. Mining and quarrying of stone and gravel	459	0.1	24.6	31.4	63.6
D. Construction	8 877	1.3	2.5	3.0	64.0
E. Manufacturing	9 055	1.4	1.4	2.2	63.4
Tertiary sector	36 364	5.5	1.9	2.3	66.2
F. Electricity, gas, heat supply and water	1 366	0.2	5.6	...	62.9
G. Information and communications	1 831	0.3	1.5	7.5	62.2
H. Transport and postal activities	4 296	0.6	1.8	2.4	60.8
I. Wholesale and retail trade	7 160	1.1	1.7	1.9	69.3
J. Finance and insurance	1 150	0.2	1.8	4.9	62.7
K. Real estate and goods rental and leasing	2 820	0.4	3.9	2.5	76.9
L. Scientific research, professional and technical services	2 224	0.3	1.8	1.9	67.9
M. Accommodation, eating and drinking services	3 195	0.5	2.7	3.3	65.3
N. Living-related and personal services and amusement services	2 115	0.3	2.6	2.3	67.4
O. Education, learning support	1 033	0.2	0.9	1.3	62.0
P. Medical, health care and welfare	2 784	0.4	1.6	2.2	66.6
Q. Compound services	339	0.1	1.2	4.7	59.9
R. Services not elsewhere classified	4 482	0.7	2.1	2.0	66.9
S. Government	1 569	0.2	1.1	2.6	55.8
T. Industries not stated	10 201	1.5	...	...	...
Non-employed	525 996	79.2	33.2	13.2	79.6
Not stated	57 186	8.6	...	...	...
<b>Female</b>					
Total	619 502	100.0	10.9	3.9	84.3
Total number of employed persons (Employed)	30 441	4.9	1.2	1.7	72.7
Primary sector	5 523	0.9	6.5	2.3	81.5
A. Agriculture and forestry	5 200	0.8	6.4	2.1	82.2
B. Fisheries	323	0.1	8.8	...	71.0
Secondary sector	4 782	0.8	1.4	2.3	69.8
C. Mining and quarrying of stone and gravel	157	0.0	45.3	...	69.4
D. Construction	1 774	0.3	2.6	3.6	71.5
E. Manufacturing	2 851	0.5	1.0	1.8	68.8
Tertiary sector	14 781	2.4	0.7	1.3	69.4
F. Electricity, gas, heat supply and water	329	0.1	8.0	...	70.0
G. Information and communications	542	0.1	1.2	...	68.6
H. Transport and postal activities	868	0.1	1.5	5.5	69.6
I. Wholesale and retail trade	3 089	0.5	0.7	1.0	71.4
J. Finance and insurance	469	0.1	0.6	2.4	65.0
K. Real estate and goods rental and leasing	1 575	0.3	3.3	1.9	83.5
L. Scientific research, professional and technical services	656	0.1	1.0	2.2	69.4
M. Accommodation, eating and drinking services	1 711	0.3	0.9	1.1	67.3
N. Living-related and personal services and amusement services	1 296	0.2	1.0	1.1	68.2
O. Education, learning support	624	0.1	0.4	1.0	64.9
P. Medical, health care and welfare	1 919	0.3	0.4	0.9	60.8
Q. Compound services	128	0.0	0.7	6.5	66.4
R. Services not elsewhere classified	1 172	0.2	0.9	1.1	71.4
S. Government	403	0.1	0.7	3.7	62.2
T. Industries not stated	5 355	0.9	...	...	...
Non-employed	543 865	87.8	19.9	5.0	85.2
Not stated	45 196	7.3	...	...	...

**(3) Deaths by leading causes of death by sex and employment status/occupation**

As for the proportion of leading causes of male deaths by employment status in FY2015, “malignant neoplasms” was the largest for both employed (39.4%) and non-employed (32.1%). By occupation, the percentage of “malignant neoplasms” was highest in “Administrative and managerial workers” at 44.5% and the lowest in “Security workers” at 31.0%. For the causes of death, “malignant neoplasms” is followed by heart disease, cerebrovascular disease, suicide, and accidents in this order for employed males, and by heart disease, pneumonia, cerebrovascular disease, and accidents in this order for non-employed males. (Figure 1-1, Table 6-1)

Figure 1-1. Percent distribution of deaths by leading causes of death by employment status/occupation (male), FY2015



Note: 1) Other causes of death include causes unknown.  
 2) The total includes “employment status not stated”, and the total number of employed persons (employed) includes “occupation not stated”.

Table 6-1. Deaths by leading causes of death by employment status/occupation (male), FY2015

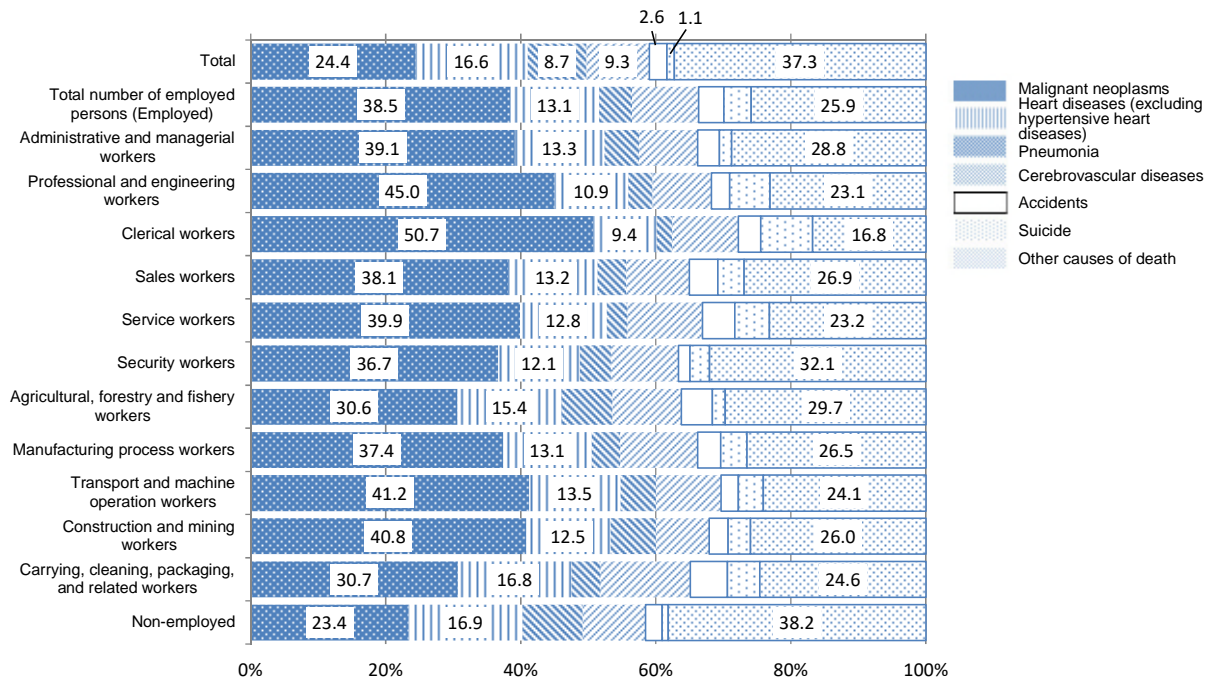
(persons)

Employment status/occupation	All causes of death	Malignant neoplasms	Heart diseases (excluding hypertensive heart diseases)	Pneumonia	Cerebrovascular diseases	Accidents	Suicide	Other causes of death
Total	664 204	220 077	91 360	64 394	53 126	21 763	15 835	197 649
Total number of employed persons (Employed)	81 022	31 904	11 457	3 723	6 350	4 509	5 435	17 644
A. Administrative and managerial workers	7 939	3 536	1 045	426	563	290	274	1 805
B. Professional and engineering workers	10 542	4 377	1 443	438	786	513	830	2 155
C. Clerical workers	3 534	1 480	427	84	292	177	429	645
D. Sales workers	8 023	3 191	1 136	410	616	384	476	1 810
E. Service workers	9 098	3 474	1 304	420	716	460	694	2 030
F. Security workers	1 253	389	218	28	111	96	168	243
G. Agricultural, forestry and fishery workers	15 136	5 608	2 141	1 071	1 180	929	480	3 727
H. Manufacturing process workers	6 152	2 407	861	182	520	412	613	1 157
I. Transport and machine operation workers	3 357	1 294	579	80	263	260	271	610
J. Construction and mining workers	6 703	2 734	909	160	549	513	555	1 283
K. Carrying, cleaning, packaging, and related workers	1 816	623	349	50	180	137	142	335
L. Occupation not stated	7 469	2 791	1 045	374	574	338	503	1 844
Non-employed	525 996	168 967	71 587	55 936	42 432	15 130	8 005	163 939
Not stated	57 186	19 206	8 316	4 735	4 344	2 124	2 395	16 066

Note: Other causes of death include causes unknown.

Subsequently, as for the proportion of leading causes of female deaths by employment status, “malignant neoplasms” was the largest for both employed (38.5%) and non-employed (23.4%). By occupation, the percentage of “malignant neoplasms” was highest in “Clerical workers” at 50.7% and the lowest in “Agricultural, forestry and fishery workers” at 30.6%. For the causes of death, “malignant neoplasms” is followed by heart disease, cerebrovascular disease, pneumonia, and suicide in this order for employed females, and by heart disease, cerebrovascular disease, pneumonia, and accidents in this order for non-employed females. (Figure 1-2, Table 6-2)

Figure 1-2. Percent distribution of deaths by leading causes of death by employment status/occupation (female), FY2015



Note: 1) Other causes of death include causes unknown.  
 2) The total includes “employment status not stated”, and the total number of employed persons (employed) includes “occupation not stated”.

Table 6-2. Deaths by leading causes of death by employment status/occupation (Female), FY2015

(persons)

Employment status/occupation	All causes of death	Malignant neoplasms	Heart diseases (excluding hypertensive heart diseases)	Pneumonia	Cerebrovascular diseases	Accidents	Suicide	Other causes of death
Total	619 502	151 183	102 935	53 656	57 553	16 020	6 851	231 304
Total number of employed persons (Employed)	30 441	11 706	3 985	1 505	2 980	1 143	1 223	7 899
A. Administrative and managerial workers	2 285	894	304	117	198	73	42	657
B. Professional and engineering workers	3 559	1 601	388	129	310	96	212	823
C. Clerical workers	2 357	1 196	221	54	231	78	181	396
D. Sales workers	3 299	1 256	437	139	311	140	130	886
E. Service workers	5 260	2 100	675	162	583	253	266	1 221
F. Security workers	240	88	29	11	24	4	7	77
G. Agricultural, forestry and fishery workers	5 099	1 562	787	380	522	235	97	1 516
H. Manufacturing process workers	1 683	629	220	70	194	58	66	446
I. Transport and machine operation workers	643	265	87	34	62	16	24	155
J. Construction and mining workers	1 124	459	140	75	89	32	37	292
K. Carrying, cleaning, packaging, and related workers	541	166	91	23	72	30	26	133
L. Occupation not stated	4 351	1 490	606	311	384	128	135	1 297
Non-employed	543 865	127 053	91 812	48 524	50 568	13 657	4 739	207 512
Not stated	45 196	12 424	7 138	3 627	4 005	1 220	889	15 893

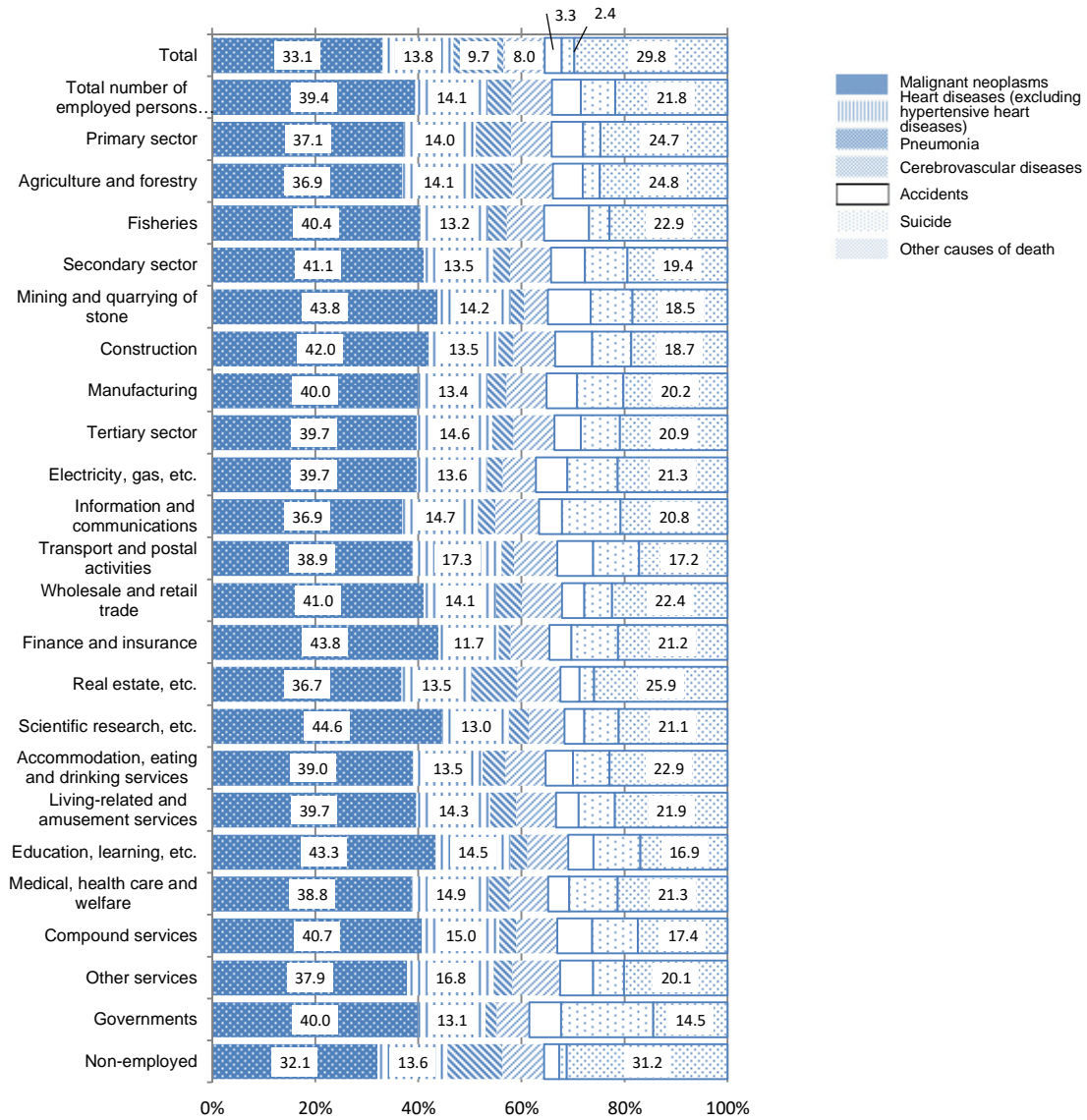
Note: Other causes of death include causes unknown.

**(4) Deaths by leading causes of death by sex and employment status/industry**

As for the proportions of leading causes of male death by industry in FY2015, “malignant neoplasms” was the highest in “Scientific research, professional and technical services” at 44.6% and the lowest in “Real estate and goods rental and leasing” for 36.7%.

In addition, “Heart disease” was highest in “Transport and postal activities” at 17.3% and lowest in “Finance and insurance” at 11.7%. (Figure 2-1, Table 7-1)

Figure 2-1. Percent distribution of deaths by leading causes of death by employment status/industry (male), FY2015



Note: 1) Other causes of death include causes unknown.  
 2) The total includes “employment status not stated”, and the total number of employed persons (employed) includes “industries not stated”.

Table 7-1 Deaths by leading causes of death by employment status/industry (male), FY2015

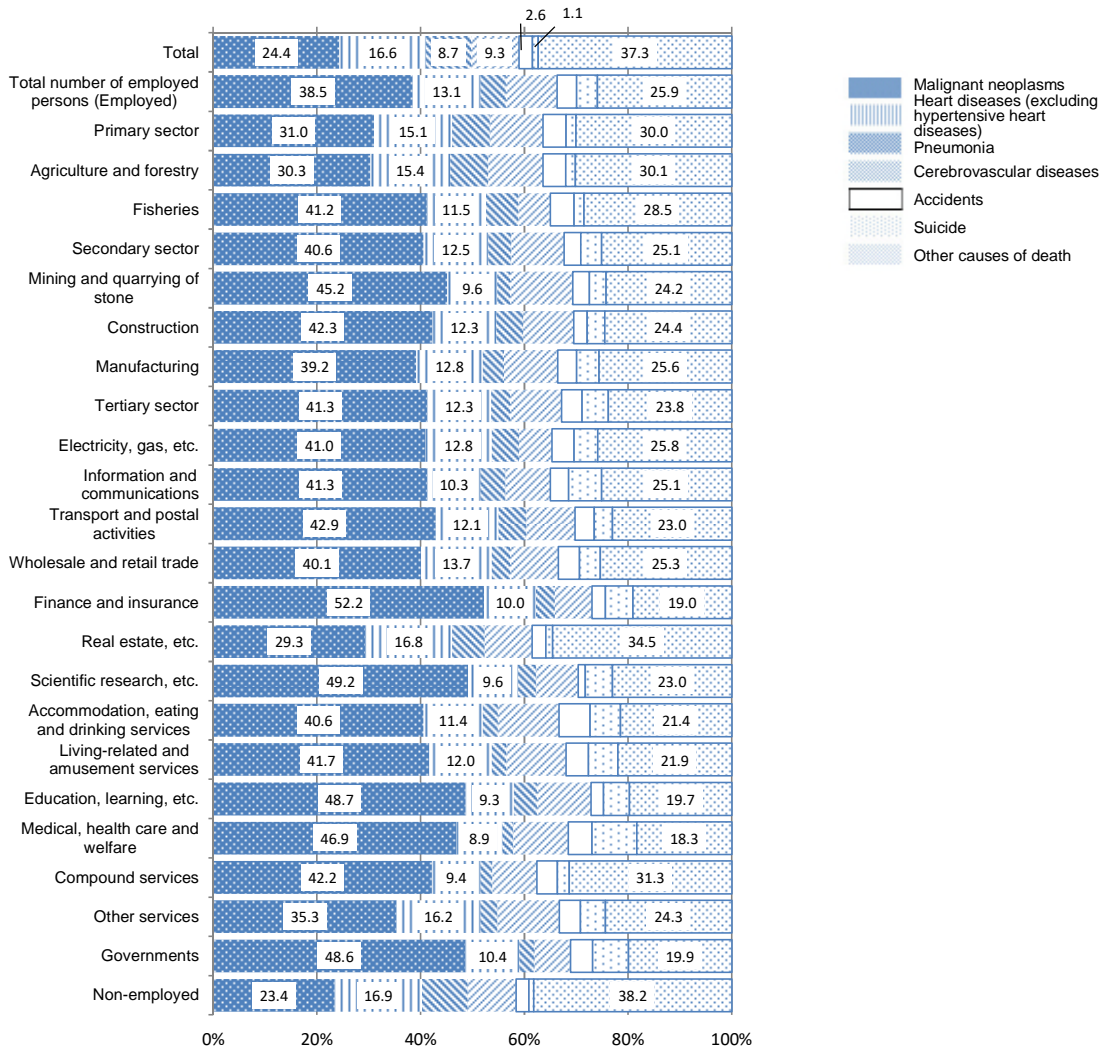
(persons)

Employment status/industry	All causes of death	Malignant neoplasms	Heart diseases (excluding hypertensive heart diseases)	Pneumonia	Cerebrovascular diseases	Accidents	Suicide	Other causes of death
Total	664 204	220 077	91 360	64 394	53 126	21 763	15 835	197 649
Total number of employed persons (Employed)	81 022	31 904	11 457	3 723	6 350	4 509	5 435	17 644
Primary sector	16 066	5 967	2 254	1 112	1 260	975	533	3 965
A. Agriculture and forestry	14 813	5 461	2 088	1 067	1 170	866	483	3 678
B. Fisheries	1 253	506	166	45	90	109	50	287
Secondary sector	18 391	7 555	2 479	599	1 448	1 213	1 520	3 577
C. Mining and quarrying of stone and gravel	459	201	65	12	21	38	37	85
D. Construction	8 877	3 729	1 200	254	722	642	668	1 662
E. Manufacturing	9 055	3 625	1 214	333	705	533	815	1 830
Tertiary sector	36 364	14 429	5 319	1 526	2 880	1 856	2 747	7 607
F. Electricity, gas, heat supply and water	1 366	542	186	42	87	84	134	291
G. Information and communications	1 831	676	270	62	153	83	206	381
H. Transport and postal activities	4 296	1 669	742	107	355	302	383	738
I. Wholesale and retail trade	7 160	2 936	1 007	359	556	311	388	1 603
J. Finance and insurance	1 150	504	135	27	86	50	104	244
K. Real estate and goods rental and leasing	2 820	1 034	382	252	238	105	78	731
L. Scientific research, professional and technical services	2 224	993	289	85	154	84	149	470
M. Accommodation, eating and drinking services	3 195	1 246	430	142	249	170	226	732
N. Living-related and personal services and amusement services	2 115	839	302	106	164	93	148	463
O. Education, learning support	1 033	447	150	34	82	51	94	175
P. Medical, health care and welfare	2 784	1 079	416	109	210	115	261	594
Q. Compound services	339	138	51	11	27	23	30	59
R. Services not elsewhere classified	4 482	1 698	754	156	420	288	267	899
S. Government	1 569	628	205	34	99	97	279	227
T. Industries not stated	10 201	3 953	1 405	486	762	465	635	2 495
Non-employed	525 996	168 967	71 587	55 936	42 432	15 130	8 005	163 939
Not stated	57 186	19 206	8 316	4 735	4 344	2 124	2 395	16 066

Note: Other causes of death include causes unknown.

Subsequently, as for the proportion of leading causes of female deaths by industry, “malignant neoplasms” was the highest in “Finance and insurance” at 52.2% and the lowest in “Real estate and goods rental and leasing” for 29.3%. In addition, “Heart disease” was highest in “Real estate and goods rental and leasing” at 16.8% and lowest in “Medical, health care and welfare” at 8.9%. (Figure 2-2, Table 7-2)

Figure 2-2. Percent distribution of deaths by leading causes of death by employment status/industry (female), FY2015



Note: 1) Other causes of death include causes unknown.  
 2) The total includes “employment status not stated”, and the total number of employed persons (employed) includes “industries not stated”.

Table 7-2. Deaths by leading causes of death by employment status/industry (female), FY2015

(persons)

Employment status/industry	All causes of death	Malignant neoplasms	Heart diseases (excluding hypertensive heart diseases)	Pneumonia	Cerebrovascular diseases	Accidents	Suicide	Other causes of death
Total	619 502	151 183	102 935	53 656	57 553	16 020	6 851	231 304
Total number of employed persons (Employed)	30 441	11 706	3 985	1 505	2 980	1 143	1 223	7 899
Primary sector	5 523	1 711	836	403	565	246	103	1 659
A. Agriculture and forestry	5 200	1 578	799	383	545	231	97	1 567
B. Fisheries	323	133	37	20	20	15	6	92
Secondary sector	4 782	1 940	598	211	490	154	189	1 200
C. Mining and quarrying of stone and gravel	157	71	15	4	19	5	5	38
D. Construction	1 774	750	219	91	174	47	61	432
E. Manufacturing	2 851	1 119	364	116	297	102	123	730
Tertiary sector	14 781	6 102	1 824	548	1 465	587	740	3 515
F. Electricity, gas, heat supply and water	329	135	42	17	21	14	15	85
G. Information and communications	542	224	56	26	47	19	34	136
H. Transport and postal activities	868	372	105	47	82	32	30	200
I. Wholesale and retail trade	3 089	1 239	424	109	286	127	123	781
J. Finance and insurance	469	245	47	17	34	12	25	89
K. Real estate and goods rental and leasing	1 575	461	264	99	144	42	21	544
L. Scientific research, professional and technical services	656	323	63	23	53	9	34	151
M. Accommodation, eating and drinking services	1 711	695	195	49	202	103	101	366
N. Living-related and personal services and amusement services	1 296	540	155	38	149	56	74	284
O. Education, learning support	624	304	58	28	65	15	31	123
P. Medical, health care and welfare	1 919	900	171	41	203	88	165	351
Q. Compound services	128	54	12	3	11	5	3	40
R. Services not elsewhere classified	1 172	414	190	39	140	48	56	285
S. Government	403	196	42	12	28	17	28	80
T. Industries not stated	5 355	1 953	727	343	460	156	191	1 525
Non-employed	543 865	127 053	91 812	48 524	50 568	13 657	4 739	207 512
Not stated	45 196	12 424	7 138	3 627	4 005	1 220	889	15 893

Note: Other causes of death include causes unknown.