

## 2 General mortality

### (1) Deaths by sex and employment status/occupation at time of death

As for the number of deaths in FY2020 by sex and employment status, 78,145 males (11.0% of all male deaths) were "employed" and 581,613 (81.6%) were "non-employed." While 31,643 females (4.7% of all female deaths) were "employed" and 599,800 (89.2%) were "non-employed".

Age-adjusted death rate by sex and occupation in FY2020 (per 1,000 population) was the highest in "Administrative and managerial workers" for males at 11.2, and in "Transport and machine operation workers" for females at 83.2. (Table 4)

Table 4 Deaths, death rates and age-adjusted death rates by sex and employment status/occupation, FY2020

Employment status/occupation	Deaths		Death rates (per 1,000 population)	Age-adjusted death rates (per 1,000 population)
	(persons)	Proportion (%)		
<b>Male</b>				
Total	712 633	100.0	13.6	14.2
Total number of employed persons (Employed)	78 145	11.0	2.5	5.2
A. Administrative and managerial workers	6 824	1.0	7.0	11.2
B. Professional and engineering workers	10 577	1.5	2.1	6.6
C. Clerical workers	3 422	0.5	0.8	2.2
D. Sales workers	7 534	1.1	2.0	5.0
E. Service workers	9 980	1.4	4.8	9.4
F. Security workers	1 320	0.2	1.3	1.9
G. Agricultural, forestry and fishery workers	12 391	1.7	10.5	7.6
H. Manufacturing process workers	6 264	0.9	1.2	2.9
I. Transport and machine operation workers	3 280	0.5	1.8	3.2
J. Construction and mining workers	6 934	1.0	3.0	6.3
K. Carrying, cleaning, packaging, and related workers	2 168	0.3	1.0	1.3
L. Occupation not stated	7 451	1.0	...	...
Non-employed	581 613	81.6	40.5	24.8
Not stated	52 875	7.4	...	...
<b>Female</b>				
Total	672 323	100.0	12.0	9.3
Total number of employed persons (Employed)	31 643	4.7	1.2	3.4
A. Administrative and managerial workers	2 263	0.3	12.7	16.9
B. Professional and engineering workers	4 025	0.6	0.8	6.1
C. Clerical workers	2 627	0.4	0.4	1.2
D. Sales workers	3 449	0.5	1.1	3.3
E. Service workers	6 259	0.9	1.4	3.6
F. Security workers	211	0.0	2.5	18.5
G. Agricultural, forestry and fishery workers	4 467	0.7	6.6	4.4
H. Manufacturing process workers	1 888	0.3	0.9	2.8
I. Transport and machine operation workers	666	0.1	8.7	83.2
J. Construction and mining workers	1 205	0.2	17.5	44.0
K. Carrying, cleaning, packaging, and related workers	735	0.1	0.4	0.7
L. Occupation not stated	3 848	0.6	...	...
Non-employed	599 800	89.2	24.8	11.8
Not stated	40 880	6.1	...	...

## (2) Deaths by sex and employment status/industry at time of death

Age-adjusted death rate by sex and industry in FY2020 (per 1,000 population) was the highest in “Mining and quarrying of stone and gravel” for both males and females, at 64.4 for males and 116.1 for females (Table 5).

Table 5 Deaths, death rates and age-adjusted death rates by sex and employment status/industry, FY2020

Employment status/industry	Deaths		Death rates (per 1,000 population)	Age-adjusted death rates (per 1,000 population)
	(persons)	Proportion (%)		
<b>Male</b>				
<b>Total</b>	<b>712 633</b>	<b>100.0</b>	<b>13.6</b>	<b>14.2</b>
Total number of employed persons (Employed)	78 145	11.0	2.5	5.2
Primary sector	13 221	1.9	11.1	8.1
A. Agriculture and forestry	12 130	1.7	11.1	7.8
B. Fisheries	1 091	0.2	11.3	11.3
Secondary sector	18 552	2.6	2.0	5.1
C. Mining and quarrying of stone and gravel	441	0.1	28.1	64.4
D. Construction	9 305	1.3	2.8	5.4
E. Manufacturing	8 806	1.2	1.5	4.6
Tertiary sector	37 446	5.3	1.9	4.4
F. Electricity, gas, heat supply and water	1 344	0.2	5.9	64.0
G. Information and communications	1 849	0.3	1.4	14.2
H. Transport and postal activities	4 541	0.6	1.9	4.3
I. Wholesale and retail trade	6 551	0.9	1.6	3.6
J. Finance and insurance	998	0.1	1.7	8.4
K. Real estate and goods rental and leasing	3 341	0.5	4.6	6.0
L. Scientific research, professional and technical services	2 038	0.3	1.6	3.2
M. Accommodation, food and beverage service industry	3 308	0.5	2.9	6.5
N. Living-related and personal services and amusement services	2 548	0.4	3.3	5.1
O. Education, learning support	1 050	0.1	0.9	2.5
P. Medical, health care and welfare	3 149	0.4	1.7	4.1
Q. Compound services	309	0.0	1.2	9.8
R. Services not classified elsewhere	4 929	0.7	2.2	3.2
S. Government	1 491	0.2	1.1	5.9
T. Industries not stated	8 926	1.3	...	...
Non-employed	581 613	81.6	40.5	24.8
Not stated	52 875	7.4	...	...
<b>Female</b>				
<b>Total</b>	<b>672 323</b>	<b>100.0</b>	<b>12.0</b>	<b>9.3</b>
Total number of employed persons (Employed)	31 643	4.7	1.2	3.4
Primary sector	4 816	0.7	6.5	4.6
A. Agriculture and forestry	4 486	0.7	6.4	4.4
B. Fisheries	330	0.0	10.4	10.4
Secondary sector	5 237	0.8	1.6	4.9
C. Mining and quarrying of stone and gravel	178	0.0	58.1	116.1
D. Construction	1 994	0.3	2.7	6.9
E. Manufacturing	3 065	0.5	1.2	3.9
Tertiary sector	17 110	2.5	0.8	2.9
F. Electricity, gas, heat supply and water	349	0.1	7.5	106.8
G. Information and communications	603	0.1	1.1	23.7
H. Transport and postal activities	1 065	0.2	1.6	11.5
I. Wholesale and retail trade	3 236	0.5	0.7	2.3
J. Finance and insurance	485	0.1	0.6	3.9
K. Real estate and goods rental and leasing	2 027	0.3	3.9	5.4
L. Scientific research, professional and technical services	723	0.1	0.9	4.7
M. Accommodation, food and beverage service industry	1 904	0.3	1.0	2.4
N. Living-related and personal services and amusement services	1 537	0.2	1.3	2.4
O. Education, learning support	772	0.1	0.5	2.2
P. Medical, health care and welfare	2 391	0.4	0.4	1.6
Q. Compound services	116	0.0	0.6	8.2
R. Services not classified elsewhere	1 455	0.2	1.0	2.1
S. Government	447	0.1	0.7	7.9
T. Industries not stated	4 480	0.7	...	...
Non-employed	599 800	89.2	24.8	11.8
Not stated	40 880	6.1	...	...

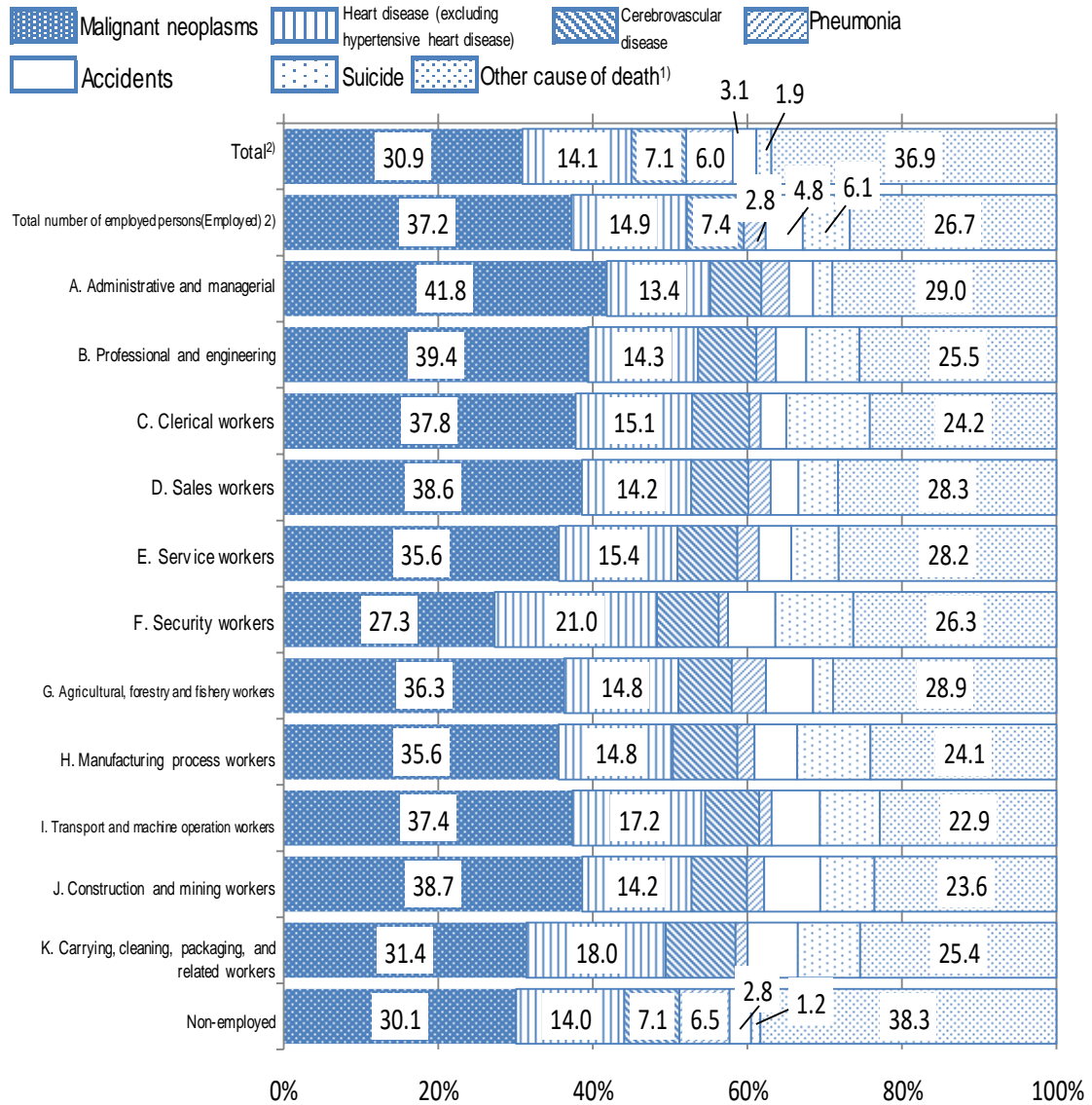
(3) Deaths by leading causes of death by sex and employment status/occupation at time of death

As for the proportion of leading causes of male deaths by employment status in FY2020, “malignant neoplasms” was the largest for both employed (37.2%) and non-employed (30.1%).

By occupation, the percentage of “malignant neoplasms” was highest in “Administrative and managerial workers” at 41.8% and the lowest in “Security workers” at 27.3%.

For the causes of death, “malignant neoplasms” is followed by heart disease (excluding hypertensive heart diseases, the same in (3) and (4) below), cerebrovascular disease, suicide, and accidents in this order for employed males, and by heart disease, cerebrovascular disease, pneumonia, 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), FY2020



Note: 1) Other cause of death include causes unknown.

2) The total includes “employment status not stated”, and the total number of employed persons (employed) includes “L occupation not stated”.

Table 6-1. Deaths by leading causes of death by employment status/occupation (male), FY2020  
(Unit: persons)

Employment status/occupation	All causes of death	Malignant neoplasms	Heart disease (excluding hypertensive heart disease)	Cerebrovascular disease	Pneumonia	Accidents	Suicide	Other cause of death <sup>1)</sup>
Total	712 633	220 428	100 694	50 641	42 602	21 913	13 744	262 611
Total number of employed persons (Employed)	78 145	29 090	11 666	5 778	2 221	3 759	4 749	20 882
A. Administrative and managerial workers	6 824	2 851	917	451	249	210	168	1 978
B. Professional and engineering workers	10 577	4 170	1 510	792	277	409	726	2 693
C. Clerical workers	3 422	1 292	516	253	52	112	370	827
D. Sales workers	7 534	2 907	1 070	555	220	271	382	2 129
E. Service workers	9 980	3 552	1 535	770	279	421	610	2 813
F. Security workers	1 320	360	277	106	16	81	133	347
G. Agricultural, forestry and fishery workers	12 391	4 492	1 829	858	545	758	322	3 587
H. Manufacturing process workers	6 264	2 229	930	524	135	342	595	1 509
I. Transport and machine operation workers	3 280	1 226	563	229	51	208	253	750
J. Construction and mining workers	6 934	2 682	983	496	150	506	484	1 633
K. Carrying, cleaning, packaging, and related workers	2 168	681	391	196	35	142	173	550
L. Occupation not stated	7 451	2 648	1 145	548	212	299	533	2 066
Non-employed	581 613	175 101	81 169	41 366	37 782	16 336	6 955	222 904
Not stated	52 875	16 237	7 859	3 497	2 599	1 818	2 040	18 825

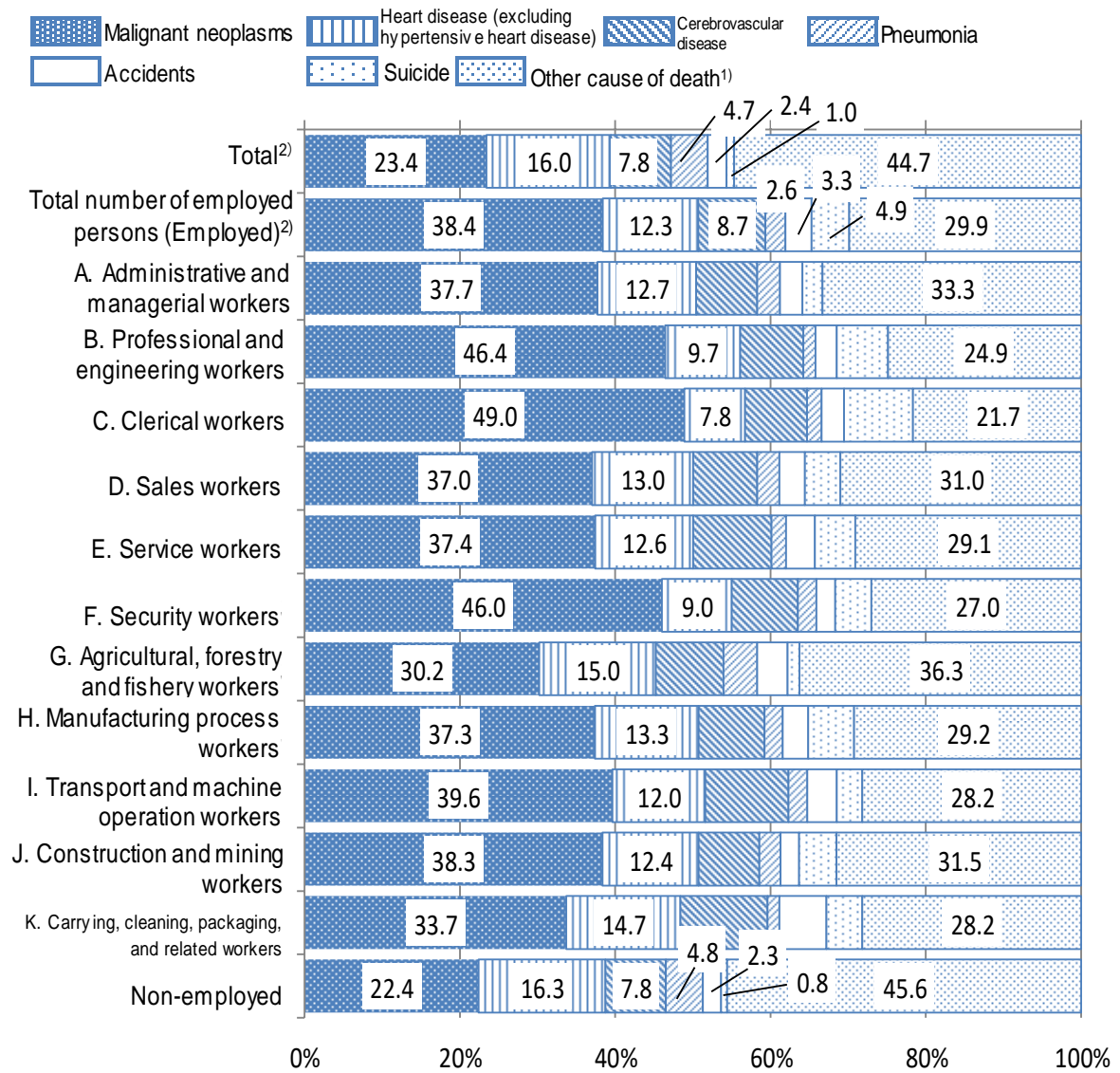
Note: 1) Other cause of death include causes unknown.

Subsequently, as for the proportion of leading causes of female deaths by employment status, “malignant neoplasms” was the largest for both employed (38.4%) and non-employed (22.4%).

By occupation, the percentage of “malignant neoplasms” was highest in “Clerical workers” at 49.0% and the lowest in “Agricultural, forestry and fishery workers” at 30.2%.

For the causes of death, “malignant neoplasms” is followed by heart disease, cerebrovascular disease, suicide, and accidents 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), FY2020



Note: 1) Other cause of death include causes unknown.

2) The total includes “employment status not stated”, and the total number of employed persons (employed) includes “L occupation not stated”.

Table 6-2. Deaths by leading causes of death by employment status/occupation (Female), FY2020  
(Unit: persons)

Employment status/occupation	All causes of death	Malignant neoplasms	Heart disease (excluding hypertensive heart disease)	Cerebrovascular disease	Pneumonia	Accidents	Suicide	Other cause of death <sup>1)</sup>
<b>Total</b>	672 323	157 277	107 559	52 654	31 344	16 172	6 989	300 328
Total number of employed persons (Employed)	31 643	12 155	3 880	2 754	815	1 036	1 551	9 452
A. Administrative and managerial workers	2 263	854	288	179	65	65	59	753
B. Professional and engineering workers	4 025	1 867	390	328	65	110	264	1 001
C. Clerical workers	2 627	1 287	205	209	49	75	233	569
D. Sales workers	3 449	1 275	448	285	98	114	160	1 069
E. Service workers	6 259	2 340	787	632	118	233	328	1 821
F. Security workers	211	97	19	18	5	5	10	57
G. Agricultural, forestry and fishery workers	4 467	1 348	669	389	197	174	67	1 623
H. Manufacturing process workers	1 888	705	251	161	44	63	112	552
I. Transport and machine operation workers	666	264	80	71	16	25	22	188
J. Construction and mining workers	1 205	461	150	94	33	29	58	380
K. Carrying, cleaning, packaging, and related workers	735	248	108	82	11	45	34	207
L. Occupation not stated	3 848	1 409	485	306	114	98	204	1 232
<b>Non-employed</b>	599 800	134 285	97 481	46 820	28 809	14 061	4 566	273 778
<b>Not stated</b>	40 880	10 837	6 198	3 080	1 720	1 075	872	17 098

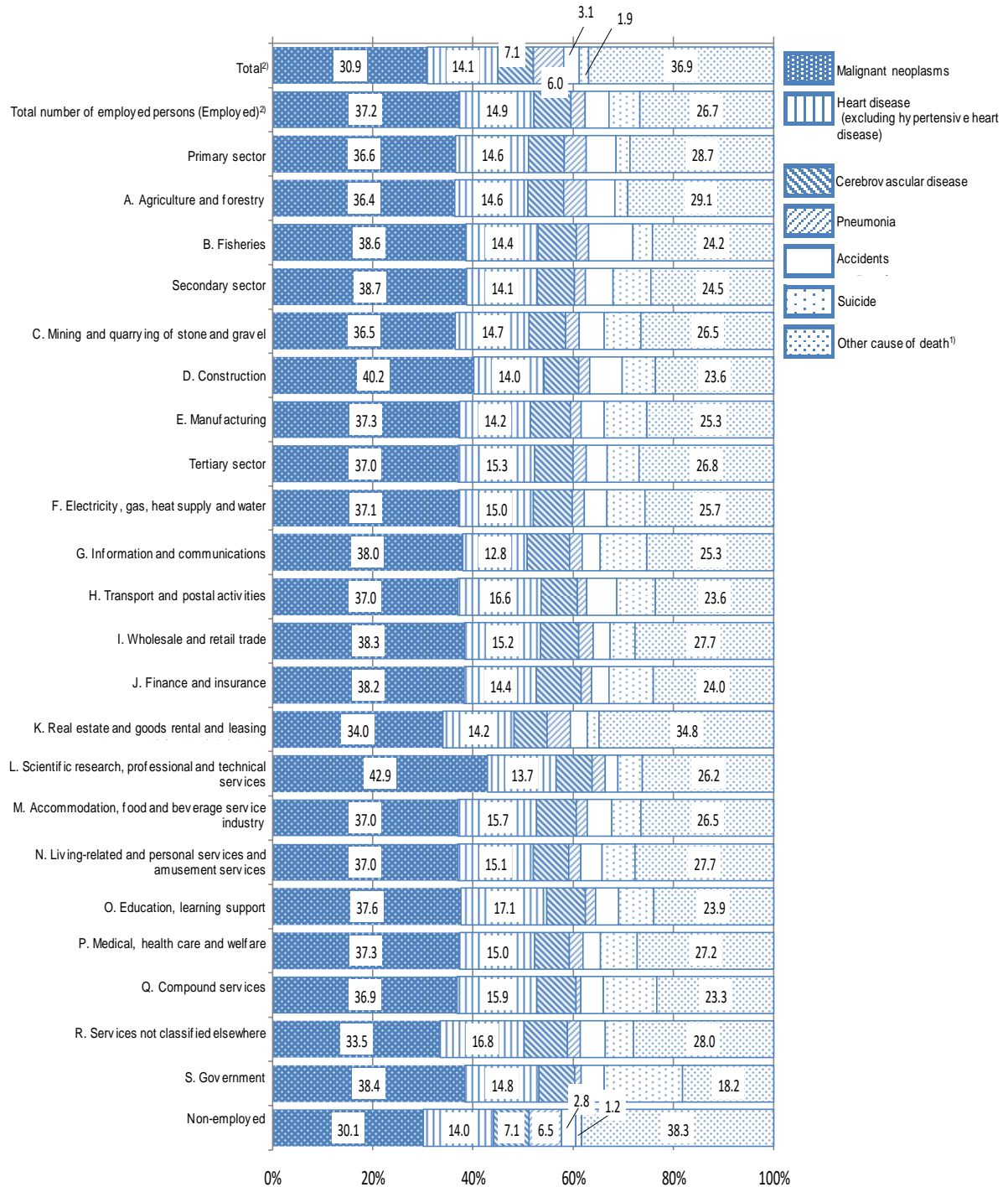
Note: 1) Other cause of death include causes unknown.

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

As for the proportion of male deaths by leading cause of death in FY2020 by industry, malignant neoplasm, the most common cause of death, accounted for the highest proportion of 42.9% in "Academic research, professional and technical services" and the lowest proportion of 33.5% in "Other services".

In addition, "Heart disease" was highest in "Education and learning support industry" at 17.1% and lowest in "Information and communications" at 12.8%. (Figure 2-1, Table 7-1)

Figure 2-1. Percent distribution of deaths by leading causes of death by employment status/industry (male), FY2020



Note: 1) Other cause of death include causes unknown.

2) The total includes "employment status not stated", and the total number of employed persons (employed) includes "T industries not stated".

Table 7-1 Deaths by leading causes of death by employment status/industry (male), FY2020  
(Unit: persons)

Employment status/industry	All causes of death	Malignant neoplasms	Heart disease (excluding hypertensive heart disease)	Cerebrovascular disease	Pneumonia	Accidents	Suicide	Other cause of death <sup>1)</sup>
Total	712 633	220 428	100 694	50 641	42 602	21 913	13 744	262 611
Total number of employed persons (Employed)	78 145	29 090	11 666	5 778	2 221	3 759	4 749	20 882
Primary sector	13 221	4 838	1 925	940	577	787	364	3 790
A. Agriculture and forestry	12 130	4 417	1 768	857	550	691	321	3 526
B. Fisheries	1 091	421	157	83	27	96	43	264
Secondary sector	18 552	7 186	2 621	1 364	415	1 026	1 393	4 547
C. Mining and quarrying of stone and gravel	441	161	65	32	12	22	32	117
D. Construction	9 305	3 742	1 303	638	208	601	614	2 199
E. Manufacturing	8 806	3 283	1 253	694	195	403	747	2 231
Tertiary sector	37 446	13 858	5 737	2 838	976	1 573	2 413	10 051
F. Electricity, gas, heat supply and water	1 344	498	202	104	32	61	102	345
G. Information and communications	1 849	702	236	157	47	67	172	468
H. Transport and postal activities	4 541	1 682	753	327	85	272	349	1 073
I. Wholesale and retail trade	6 551	2 509	994	501	191	220	320	1 816
J. Finance and insurance	998	381	144	89	21	35	88	240
K. Real estate and goods rental and leasing	3 341	1 137	476	220	154	112	79	1 163
L. Scientific research, professional and technical services	2 038	874	279	147	54	51	100	533
M. Accommodation, food and beverage service industry	3 308	1 225	520	261	74	162	191	875
N. Living-related and personal services and amusement services	2 548	942	384	180	62	107	167	706
O. Education, learning support	1 050	395	180	81	21	48	74	251
P. Medical, health care and welfare	3 149	1 175	473	218	84	111	230	858
Q. Compound services	309	114	49	24	3	14	33	72
R. Services not classified elsewhere	4 929	1 652	826	423	129	245	275	1 379
S. Government	1 491	572	221	106	19	68	233	272
T. Industries not stated	8 926	3 208	1 383	636	253	373	579	2 494
Non-employed	581 613	175 101	81 169	41 366	37 782	16 336	6 955	222 904
Not stated	52 875	16 237	7 859	3 497	2 599	1 818	2 040	18 825

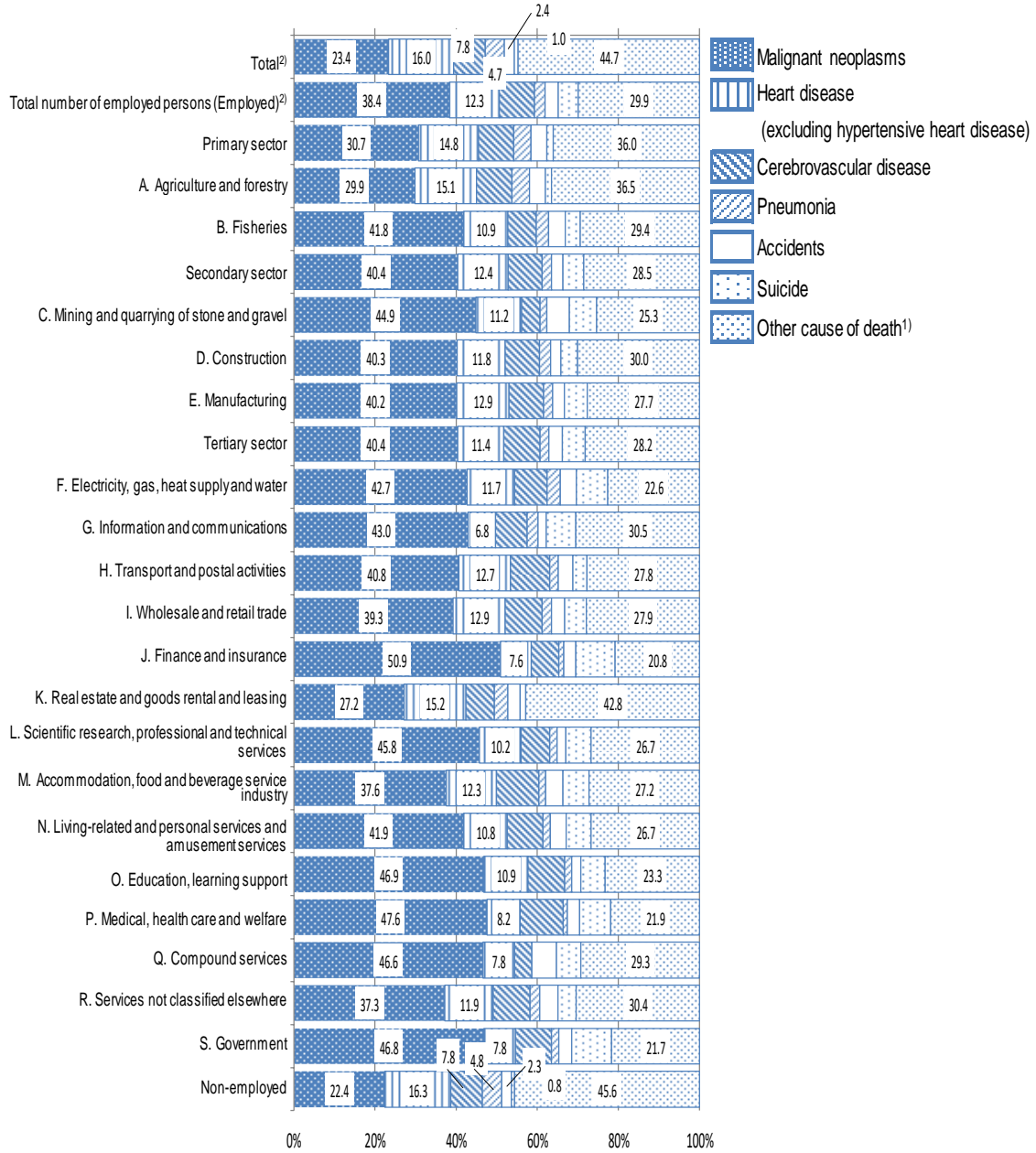
Note: 1) Other cause of death include causes unknown.

Subsequently, as for the proportion of leading causes of female deaths by industry, “malignant neoplasms”, the most common cause of death, was the highest in “Finance and insurance” at 50.9% and the lowest in “Real estate and goods rental and leasing” for 27.2%.

In addition, “Heart disease” was highest in “Real estate and goods rental and leasing” at 15.2% and lowest in “Information and communications” at 6.8%. (Figure 2-2, Table 7-2)



Figure 2-2. Percent distribution of deaths by leading causes of death by employment status/industry (female), FY2020



Note: 1) Other cause of death include causes unknown.

2) The total includes "employment status not stated", and the total number of employed persons (employed) includes "T industries not stated".

Table 7-2. Deaths by leading causes of death by employment status/industry (female), FY2020

(Unit: persons)

Employment status/industry	All causes of death	Malignant neoplasms	Heart disease (excluding hypertensive heart disease)	Cerebrovascular disease	Pneumonia	Accidents	Suicide	Other cause of death <sup>1)</sup>
Total	672 323	157 277	107 559	52 654	31 344	16 172	6 989	300 328
Total number of employed persons (Employed)	31 643	12 155	3 880	2 754	815	1 036	1 551	9 452
Primary sector	4 816	1 479	712	418	204	188	79	1 736
A. Agriculture and forestry	4 486	1 341	676	395	194	174	67	1 639
B. Fisheries	330	138	36	23	10	14	12	97
Secondary sector	5 237	2 115	651	437	127	149	267	1 491
C. Mining and quarrying of stone and gravel	178	80	20	8	3	10	12	45
D. Construction	1 994	804	235	169	54	50	84	598
E. Manufacturing	3 065	1 231	396	260	70	89	171	848
Tertiary sector	17 110	6 908	1 951	1 532	351	578	963	4 827
F. Electricity, gas, heat supply and water	349	149	41	28	11	14	27	79
G. Information and communications	603	259	41	47	16	12	44	184
H. Transport and postal activities	1 065	434	135	103	22	38	37	296
I. Wholesale and retail trade	3 236	1 271	416	293	76	106	171	903
J. Finance and insurance	485	247	37	33	6	14	47	101
K. Real estate and goods rental and leasing	2 027	552	309	142	67	60	29	868
L. Scientific research, professional and technical services	723	331	74	51	13	16	45	193
M. Accommodation, food and beverage service industry	1 904	715	235	200	33	80	124	517
N. Living-related and personal services and amusement services	1 537	644	166	135	27	60	95	410
O. Education, learning support	772	362	84	70	13	17	46	180
P. Medical, health care and welfare	2 391	1 139	196	253	24	75	181	523
Q. Compound services	116	54	9	5	-	7	7	34
R. Services not classified elsewhere	1 455	542	173	132	35	65	66	442
S. Government	447	209	35	40	8	14	44	97
T. Industries not stated	4 480	1 653	566	367	133	121	242	1 398
Non-employed	599 800	134 285	97 481	46 820	28 809	14 061	4 566	273 778
Not stated	40 880	10 837	6 198	3 080	1 720	1 075	872	17 098

Note: 1) Other cause of death include causes unknown.