

3 Fetal and perinatal mortality

(1) Fetal deaths by employment status of mother and occupation when there was a fetal death

Fetal death rates (per 1,000 total births) by employment status/occupation of mother in FY2020 stood at 19.3 for employed and at 17.1 for non-employed.

As for fetal death rates (per 1,000 total births) by occupation in FY2020, the rate was high for "Carrying, cleaning, packaging, and related workers" at 44.6, and low for "Professional and engineering workers" at 13.6. (Table 8)

Note: Fetal death rate is the number of fetal deaths divided by total births (sum of live births and fetal deaths).

Table 8. Fetal deaths and fetal death rates by employment status/occupation of mother, FY2015/2020

Employment status/occupation of mother	FY2020						FY2015 ¹⁾					
	Fetal deaths			Fetal death rate ²⁾			Fetal deaths			Fetal death rate ²⁾		
	Total			Total			Total			Total		
	(Fetuses)	Spontaneous fetal death (Fetuses)	Artificial fetal death (Fetuses)	(per 1,000 total births)	Spontaneous fetal death (per 1,000 total births)	Artificial fetal death (per 1,000 total births)	(Fetuses)	Spontaneous fetal death (Fetuses)	Artificial fetal death (Fetuses)	(per 1,000 total births)	Spontaneous fetal death (per 1,000 total births)	Artificial fetal death (per 1,000 total births)
Total	16 836	8 112	8 724	20.1	9.7	10.4	22 172	10 810	11 362	21.6	10.5	11.1
Total number of employed persons (Employed)	9 640	4 860	4 780	19.3	9.7	9.6	10 040	5 005	5 035	23.1	11.5	11.6
A. Administrative and managerial workers	73	42	31	14.5	8.4	6.2	99	66	33	18.9	12.6	6.3
B. Professional and engineering workers	2 412	1 428	984	13.6	8.1	5.6	2 323	1 429	894	15.1	9.3	5.8
C. Clerical workers	2 275	1 228	1 047	15.6	8.4	7.2	2 345	1 252	1 093	17.8	9.5	8.3
D. Sales workers	770	338	432	18.6	8.1	10.4	841	340	501	24.9	10.1	14.9
E. Service workers	2 128	826	1 302	26.5	10.3	16.2	2 550	964	1 586	37.7	14.2	23.4
F. Security workers	53	28	25	15.3	8.1	7.2	48	22	26	16.1	7.4	8.7
G. Agricultural, forestry and fishery workers	86	48	38	22.6	12.6	10.0	100	62	38	23.3	14.4	8.8
H. Manufacturing process workers	363	179	184	20.0	9.8	10.1	466	230	236	27.8	13.7	14.1
I. Transport and machine operation workers	74	30	44	32.8	13.3	19.5	89	50	39	54.2	30.5	23.8
J. Construction and mining workers	84	34	50	31.4	12.7	18.7	59	31	28	29.9	15.7	14.2
K. Carrying, cleaning, packaging, and related workers	123	51	72	44.6	18.5	26.1	97	36	61	53.5	19.8	33.6
L. Occupation not stated	1 199	628	571	...	...	...	1 023	523	500	...	...	...
Non-employed	5 351	2 387	2 964	17.1	7.6	9.5	9 147	4 344	4 803	16.8	8.0	8.8
Not stated	1 845	865	980	...	...	...	2 985	1 461	1 524	...	...	...

Note: 1) Figures for FY 2015 in this table do not match the FY 2015 overview published on March 2, 2018 in some places due to recalculation caused by omissions in reporting by prefectures (published on March 29, 2019).

2) Fetal death rate is fetal deaths divided by total births (sum of live births and fetal deaths).

(2) Perinatal deaths by employment status/occupation of mother at the time of fetal deaths or live births

Perinatal death rates (per 1,000 total births) by employment status/occupation of mother in FY2020 stood at 3.1 for employed and at 2.8 for non-employed.

Perinatal death rates (per 1,000 total births) by occupation in FY2020 ranged from 2.3 to 3.8, with all occupations showing similar levels of perinatal deaths. (Table 9)

Note: Perinatal death rate is the number of perinatal deaths divided by total births (sum of live births and fetal deaths at 22 completed weeks and over of gestation).

Table 9. Perinatal deaths and perinatal death rates by employment status/occupation of mother, FY2015/2020

Employment status/occupation of mother	FY2020						FY2015 ¹⁾					
	Perinatal deaths			Perinatal death rate ²⁾			Perinatal deaths			Perinatal death rate ²⁾		
	Total	Fetal deaths at 22 completed weeks and over of gestation	Early neonatal deaths	Total	Fetal death rate at 22 completed weeks and over of gestation ³⁾	Early neonatal death rate	Total	Fetal deaths at 22 completed weeks and over of gestation	Early neonatal deaths	Total	Fetal death rate at 22 completed weeks and over of gestation ³⁾	Early neonatal death rate
	(Fetuses/persons)	(Fetuses)	(persons)	(per 1,000 total births)	(per 1,000 total births)	(per 1,000 total births)	(Fetuses/persons)	(Fetuses)	(persons)	(per 1,000 total births)	(per 1,000 total births)	(per 1,000 total births)
Total	2 633	2 121	512	3.2	2.6	0.6	3 698	3 014	684	3.7	3.0	0.7
Total number of employed persons (Employed)	1 498	1 198	300	3.1	2.4	0.6	1 548	1 278	270	3.6	3.0	0.6
A. Administrative and managerial workers	13	11	2	2.6	2.2	0.4	23	19	4	4.5	3.7	0.8
B. Professional and engineering workers	464	369	95	2.7	2.1	0.5	489	386	103	3.2	2.5	0.7
C. Clerical workers	410	327	83	2.9	2.3	0.6	393	324	69	3.0	2.5	0.5
D. Sales workers	94	69	25	2.3	1.7	0.6	112	90	22	3.4	2.7	0.7
E. Service workers	230	178	52	2.9	2.3	0.7	254	214	40	3.9	3.3	0.6
F. Security workers	12	8	4	3.5	2.3	1.2	9	7	2	3.1	2.4	0.7
G. Agricultural, forestry and fishery workers	9	8	1	2.4	2.1	0.3	21	18	3	5.0	4.3	0.7
H. Manufacturing process workers	56	45	11	3.1	2.5	0.6	69	60	9	4.2	3.7	0.6
I. Transport and machine operation workers	8	6	2	3.7	2.7	0.9	13	11	2	8.3	7.0	1.3
J. Construction and mining workers	6	5	1	2.3	1.9	0.4	8	8	-	4.2	4.2	-
K. Carrying, cleaning, packaging, and related workers	10	9	1	3.8	3.4	0.4	3	2	1	1.7	1.2	0.6
L. Occupation not stated	186	163	23	...	...	...	154	139	15	...	...	...
Non-employed	870	682	188	2.8	2.2	0.6	1 643	1 297	346	3.1	2.4	0.6
Not stated	265	241	24	...	...	...	507	439	68	...	...	...

Note: 1) Figures for FY 2015 in this table do not match the FY 2015 overview published on March 2, 2018 in some places due to recalculation caused by omissions in reporting by prefectures (published on March 29, 2019).

2) Perinatal death rate is the number of perinatal deaths divided by total births (sum of live births and fetal deaths at 22 completed weeks and over of gestation).

3) Fetal death rate at 22 completed weeks and over of gestation is the number of fetal deaths at 22 completed weeks and over of gestation divided by total births (sum of live births and fetal deaths at 22 completed weeks and over of gestation).