

Supplementary Table 1. Identification and donation rates of potential brain deaths according to disease classification (%)

Cause of potential brain death	Year						
	2012	2013	2014	2015	2016	2017	2018
Cerebrovascular accident							
Identification rate	22.3	28.4	52.5	59.1	63.6	64.7	60.0
Donation rate	6.4	7.9	8.5	11.2	13.4	12.8	10.5
Head trauma							
Identification rate	25.3	33.8	54.0	63.8	70.5	71.0	68.3
Donation rate	14.5	12.6	13.2	13.7	14.3	12.3	12.3
Hypoxic brain damage							
Identification rate	28.9	40.5	72.0	74.6	80.2	83.2	78.5
Donation rate	14.5	20.9	26.8	28.6	29.8	31.1	26.2
Brain tumor							
Identification rate	16.7	16.1	37.9	52.9	65.2	52.0	61.9
Donation rate	0	6.4	0	14.7	13.0	4.0	9.5
Other							
Identification rate	12.2	18.9	34.9	40.2	56.4	54.5	52.7
Donation rate	4.9	4.2	2.4	4.7	14.3	9.8	6.1

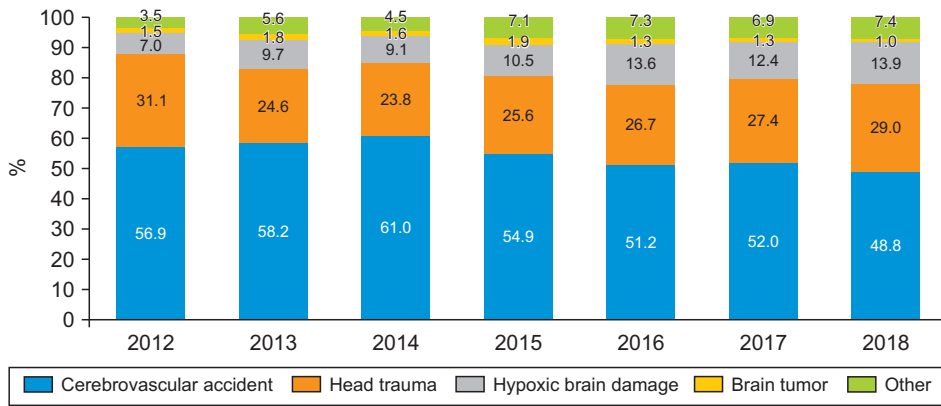
Supplementary Table 2. Identification and donation rates of potential brain death by age (%)

Age distribution	Year						
	2012	2013	2014	2015	2016	2017	2018
0–9 yr							
Identification rate	11.8	31.3	85.0	68.0	87.9	69.4	82.1
Donation rate	11.8	6.3	20.0	16.0	33.3	19.4	7.1
10–19 yr							
Identification rate	50.0	69.2	79.6	79.5	87.5	81.6	75.0
Donation rate	10.7	35.9	25.9	25.0	34.4	21.1	25.0
20–29 yr							
Identification rate	34.1	51.9	78.8	73.1	83.5	90.2	84.4
Donation rate	15.9	28.4	19.7	23.1	30.4	36.1	18.8
30–39 yr							
Identification rate	36.0	48.0	67.7	80.0	84.2	78.7	78.4
Donation rate	14.0	23.7	15.8	27.0	22.5	23.0	24.3
40–49 yr							
Identification rate	35.4	41.6	68.0	76.1	81.6	79.2	75.9
Donation rate	12.4	13.4	21.7	21.8	24.3	18.4	20.4
50–59 yr							
Identification rate	25.6	36.1	61.4	67.7	75.8	74.3	70.9
Donation rate	7.4	11.9	12.9	16.5	19.7	19.7	17.3
60–69 yr							
Identification rate	19.0	20.8	51.9	58.3	64.7	68.9	70.2
Donation rate	4.3	5.1	7.5	9.4	11.2	13.2	11.5
70–79 yr							
Identification rate	9.8	15.8	35.7	43.9	47.2	54.9	53.7
Donation rate	2.3	1.5	3.2	2.3	4.9	5.0	5.7
≥80 yr							
Identification rate	4.5	6.3	21.3	21.3	31.2	37.9	28.6
Donation rate	0	0.7	0	0.6	2.6	2.5	0.9

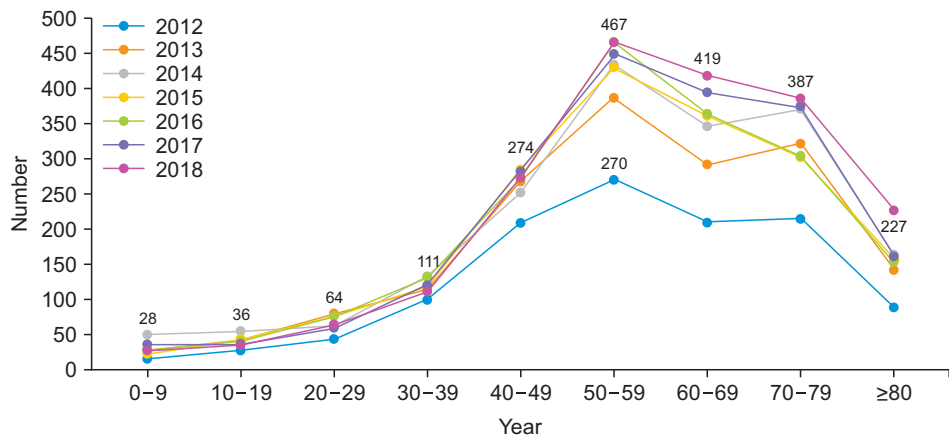
Supplementary Table 3. Attitude toward brain death (n, % recognized brain death as equivalent to death)

Occupation	Year		
	2012	2015	2018
Physician	211 (87.6)	792 (83.0)	1,032 (83.4)
Nurse	492 (69.6)	886 (68.9)	1,366 (69.0)
Admin	77 (60.6)	142 (55.9)	208 (54.3)
Total	780 (72.6)	1,820 (73.0)	2,606 (72.4)

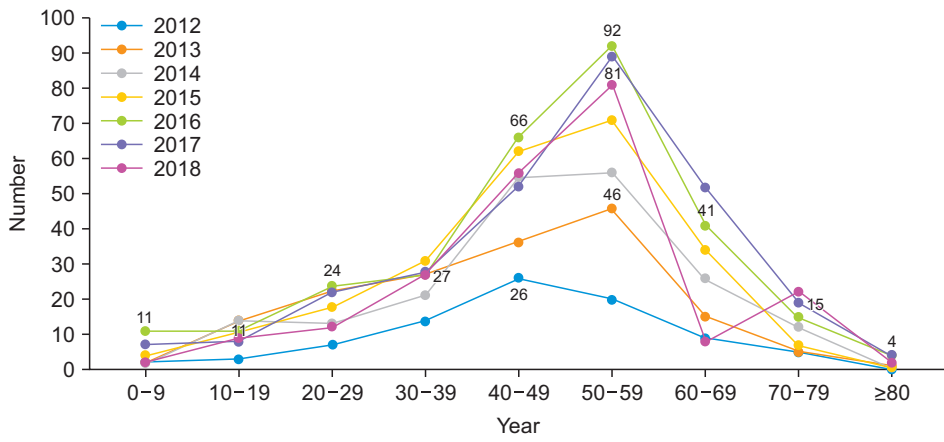
Values are presented as number (%).



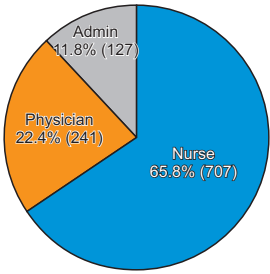
Supplementary Fig. 1. Causes of potential brain death by year in medical record review (% of potential brain deaths).



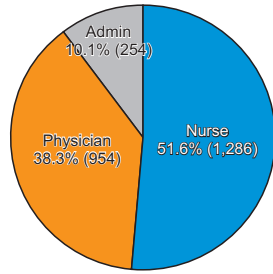
Supplementary Fig. 2. Age distribution of potential brain deaths by year in medical record review.



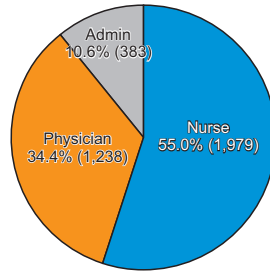
Supplementary Fig. 3. Age distribution of brain-dead donors by year in medical record review.



Total (1,075, 2012)



Total (2,494, 2015)



Total (2,494, 2015)

Supplementary Fig. 4. Number of survey participants by year (% , n).

*Number of participating hospitals: 2013 (23), 2015, 2018 (51)