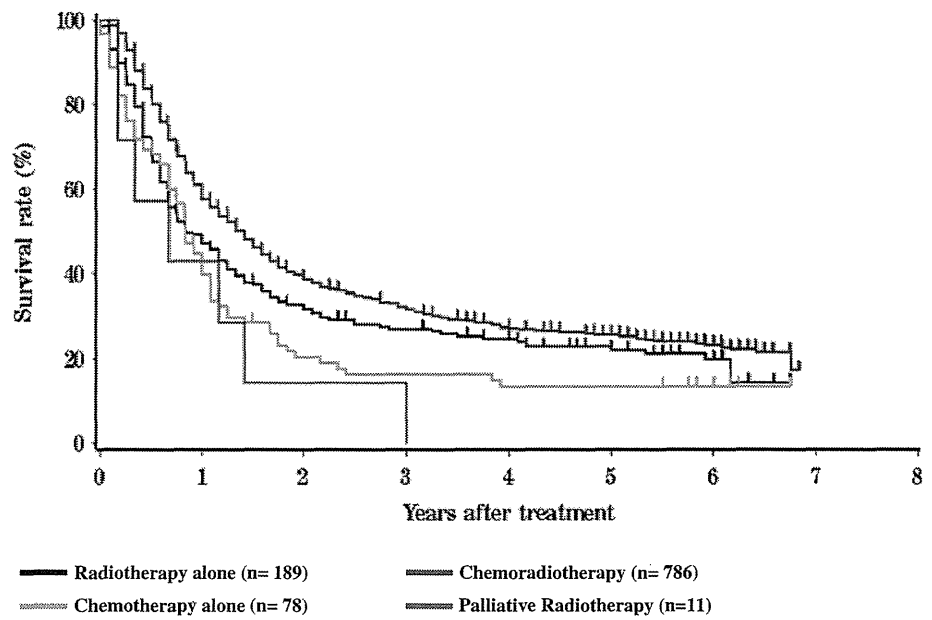
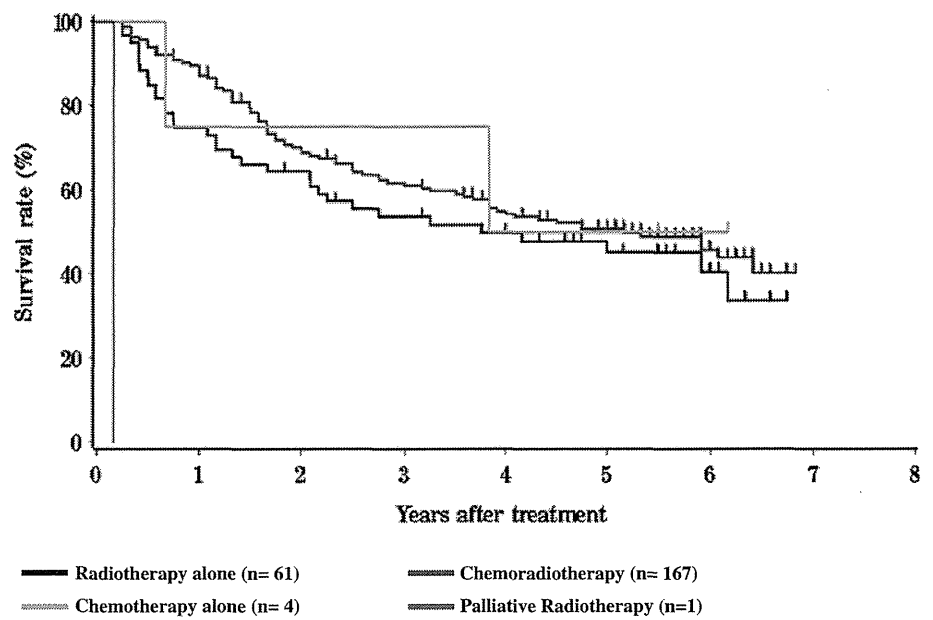


Fig. 5 Survival of patients treated by chemotherapy and/or radiotherapy



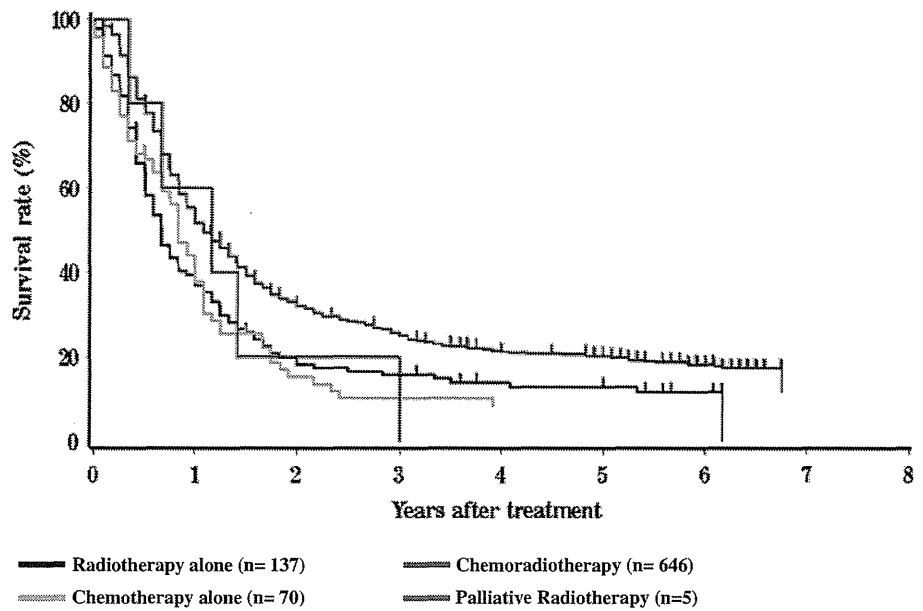
	Years after treatment							
	1	2	3	4	5	6	7	8
Radiotherapy alone	47.1%	32.8%	27.0%	24.7%	22.0%	19.9%	14.3%	-
Chemoradiotherapy	57.6%	39.7%	32.3%	27.4%	25.7%	23.2%	17.3%	-
Chemotherapy alone	28.9%	12.2%	9.1%	6.1%	3.0%	3.0%	3.0%	-
Palliative Radiotherapy	42.9%	14.3%	14.3%	-	-	-	-	-

Fig. 6 Survival of patients treated by chemotherapy and/or radiotherapy (cStage I-IIA)



	Years after treatment							
	1	2	3	4	5	6	7	8
Radiotherapy alone	74.8%	64.3%	53.5%	49.7%	45.0%	40.5%	33.7%	-
Chemoradiotherapy	87.2%	69.4%	61.6%	54.9%	50.6%	45.7%	40.1%	-
Chemotherapy alone	75.0%	75.0%	75.0%	50.0%	50.0%	50.0%	-	-
Palliative Radiotherapy	-	-	-	-	-	-	-	-

Fig. 7 Survival of patients treated by chemotherapy and/or radiotherapy (cStage IIB-IVB)



	Years after treatment							
	1	2	3	4	5	6	7	8
Radiotherapy alone	36.9%	19.9%	15.8%	13.9%	12.8%	11.7%	-	-
Chemoradiotherapy	51.6%	33.0%	25.7%	21.4%	20.3%	18.2%	-	-
Chemotherapy alone	37.8%	15.3%	10.2%	8.5%	8.5%	8.5%	-	-
Palliative Radiotherapy	60.0%	20.0%	0.0%	-	-	-	-	-

IV. Clinical results in patients treated with esophagectomy in 2006

Table 42 Tumor location

Locations	Cases (%)	
Cervical	81	(3.2%)
Upper thotacic	290	(11.5%)
Middle thoracic	1193	(47.2%)
Lower thoracic	734	(29.0%)
Abdominal	187	(7.4%)
EG	21	(0.8%)
EG-Junction (E=G)	18	(0.7%)
Unknown	4	(0.2%)
Total lesions	2528	
Total cases	2542	
Missing	3	

EG:

esophago-gastric

Table 43 Approaches to tumor resection

Approaches	Cases (%)	
Cervical approach	113	(4.5%)
Right thoracotomy	2063	(81.3%)
Left thoracotomy	41	(1.6%)
Left thoracoabdominal approach	53	(2.1%)
Laparotomy	100	(3.9%)
Transhiatal lower esophagectomy	34	(1.3%)
Transhiatal thoracic esophagectomy	72	(2.8%)
Sternotomy	7	(0.3%)
Others	51	(2.0%)
Unknown	5	(0.2%)
Total	2539	
Missing	6	

Table 44 Endoscopic surgery

Endoscopic surgery	Cases (%)	
None	1994	(79.3%)
Thoracoscopy-assisted	234	(9.3%)
Laparoscopy-assisted	87	(3.5%)
Thoracoscopy + Laparoscopy-assisted	154	(6.1%)
Mediastinoscopy-assisted	34	(1.4%)
Thoracoscopy + Mediastinoscopy-assisted	0	
Laparoscopy + Mediastinoscopy-assisted	0	(0.0%)
Others	11	(0.4%)
Unknown	1	(0.0%)
Total	2515	
Missing	30	

Table 45 Fields of lymph node dissection according to the location of the tumor

* Excluding pharynx and missing 16 cases of locations

Locations	Cervical	Upper thoracic	Middle thoracic	Lower thoracic	Abdominal	EGJ	Total
Region of lymphadenectomy	Cases (%)	Cases (%)	Cases (%)	Cases (%)	Cases (%)	Cases (%)	Cases (%)
None	13 (16.0%)	23 (8.0%)	56 (4.7%)	34 (4.7%)	7 (3.6%)	3 (7.7%)	136 (5.4%)
C	17 (21.0%)	3 (1.0%)	10 (0.8%)	2 (0.3%)	0 (0.0%)	0 (0.0%)	32 (1.3%)
C+UM	23 (28.4%)	1 (0.3%)	1 (0.1%)	1 (0.1%)	0 (0.0%)	0 (0.0%)	26 (1.0%)
C+UM+MLM	3 (3.7%)	10 (3.5%)	26 (2.2%)	5 (0.7%)	0 (0.0%)	0 (0.0%)	44 (1.8%)
C+UM+MLM+A	16 (19.8%)	172 (59.9%)	610 (51.6%)	276 (37.8%)	20 (10.4%)	2 (5.1%)	1096 (43.6%)
C+UM+A	4 (4.9%)	1 (0.3%)	3 (0.3%)	5 (0.7%)	1 (0.5%)	0 (0.0%)	14 (0.6%)
C+MLM	17 (21.0%)	3 (1.0%)	12 (1.0%)	3 (0.4%)	1 (0.5%)	1 (2.6%)	37 (1.5%)
C+MLM+A	0 (0.0%)	1 (0.3%)	5 (0.4%)	6 (0.8%)	1 (0.5%)	0 (0.0%)	13 (0.5%)
C+A	2 (2.5%)	1 (0.3%)	2 (0.2%)	1 (0.1%)	0 (0.0%)	0 (0.0%)	6 (0.2%)
UM	0 (0.0%)	1 (0.3%)	4 (0.3%)	0 (0.0%)	1 (0.5%)	0 (0.0%)	6 (0.2%)
UM+MLM	0 (0.0%)	2 (0.7%)	16 (1.4%)	9 (1.2%)	2 (1.0%)	0 (0.0%)	29 (1.2%)
UM+MLM+A	2 (2.5%)	65 (22.6%)	393 (33.2%)	292 (40.0%)	42 (21.9%)	5 (12.8%)	799 (31.8%)
UM+A	1 (1.2%)	0 (0.0%)	2 (0.2%)	2 (0.3%)	1 (0.5%)	1 (2.6%)	7 (0.3%)
MLM	0 (0.0%)	0 (0.0%)	2 (0.2%)	1 (0.1%)	1 (0.5%)	1 (2.6%)	5 (0.2%)
MLM+A	0 (0.0%)	5 (1.7%)	40 (3.4%)	87 (11.9%)	88 (45.8%)	19 (48.7%)	239 (9.5%)
A	0 (0.0%)	2 (0.7%)	12 (1.0%)	7 (1.0%)	27 (14.1%)	8 (20.5%)	56 (2.2%)
Unknown	0 (0.0%)	0 (0.0%)	1 (0.1%)	2 (0.3%)	1 (0.5%)	0 (0.0%)	4 (0.2%)
Total	81	287	1183	730	192	39	2512
Missing	0	3	10	4	0	0	17

Table 47 Reconstruction route

Reconstruction route	Cases (%)	
None	41	(1.7%)
Subcutaneous	285	(11.7%)
Anterior mediastinal	868	(35.6%)
Intrathoracic	369	(15.1%)
Posterior mediastinal	828	(33.9%)
Cervical	23	(0.9%)
Others	18	(0.7%)
Unknown	9	(0.4%)
Total	2441	
Missing	15	

Table 48 Organs used for reconstruction

Organs used for reconstruction	Cases (%)	
None	46	(1.8%)
Whole stomach	109	(4.3%)
Gastric tube	1989	(77.6%)
Jejunum	103	(4.0%)
Free jejunum	46	(1.8%)
Colon	112	(4.4%)
Free colon	14	(0.5%)
Skin graft	1	(0.0%)
Others	140	(5.5%)
Unknown	3	(0.1%)
Total lesions	2563	
Total cases	2541	
Missing	4	

Table 55 Histological classification

Histological classification	Cases (%)	
Not examined	2	(0.1%)
SCC	2233	(88.3%)
SCC	348	(13.8%)
Well diff.	486	(19.2%)
Moderately diff.	1013	(40.1%)
Poorly diff.	386	(15.3%)
Adenocarcinoma	80	(3.2%)
Barrett's adenocarcinoma	42	(1.7%)
Adenosquamous cell carcinoma (Co-existing)	2	(0.1%)
(Mucoepidermoid carcinoma)	2	(0.1%)
Adenoid cystic carcinoma	2	(0.1%)
Basaloid carcinoma	37	(1.5%)
Undiff. carcinoma (small cell)	13	(0.5%)
Undiff. carcinoma	6	(0.2%)
Other carcinoma	7	(0.3%)
Sarcoma	0	(0.0%)
Carcinosarcoma	22	(0.9%)
Malignant melanoma	8	(0.3%)
Dysplasia	3	(0.1%)
Other	20	(0.8%)
Unkown	38	(1.5%)
Total	2528	
Missing	17	

SCC: Squamous cell carcinoma

Table 56 Depth of tumor invasion

pT-category	Cases (%)
pTX	11 (0.4%)
pT0	38 (1.5%)
pTis	29 (1.1%)
pT1a	218 (8.6%)
pT1b	614 (24.3%)
pT2	375 (14.8%)
pT3	1066 (42.2%)
pT4	145 (5.7%)
Other	0 (0.0%)
Unknown	33 (1.3%)
Total	2529
Missing	16

Table 58 Pathological grading of lymph node metastasis (JSED TNM 9th)

Lymph node metastasis	Cases (%)
pN0	1272 (51.5%)
pN1	333 (13.5%)
pN2	490 (19.8%)
pN3	164 (6.6%)
pN4	177 (7.2%)
Unknown	35 (1.4%)
Total	2471
Missing	74

Table 59 Numbers of the metastatic nodes

Numbers of lymph node metastasis	Cases (%)
0	1057 (42.5%)
1-2	676 (27.2%)
3-6	487 (19.6%)
7-	268 (10.8%)
Total	2488
Missing	57

Table 60 Pathological findings of distant organ metastasis

Distant metastasias (M)	Cases (%)
MX	27 (1.1%)
M0	2476 (97.6%)
M1	35 (1.4%)
Total	2538
Missing	7

Table 61 Residual tumor

Residual tumor (R)	Cases (%)
RX	157 (6.2%)
R0	2103 (83.6%)
R1	132 (5.2%)
R2	124 (4.9%)
Unknown	0 (0.0%)
Total	2516
Missing	29

Table 72 Causes of death

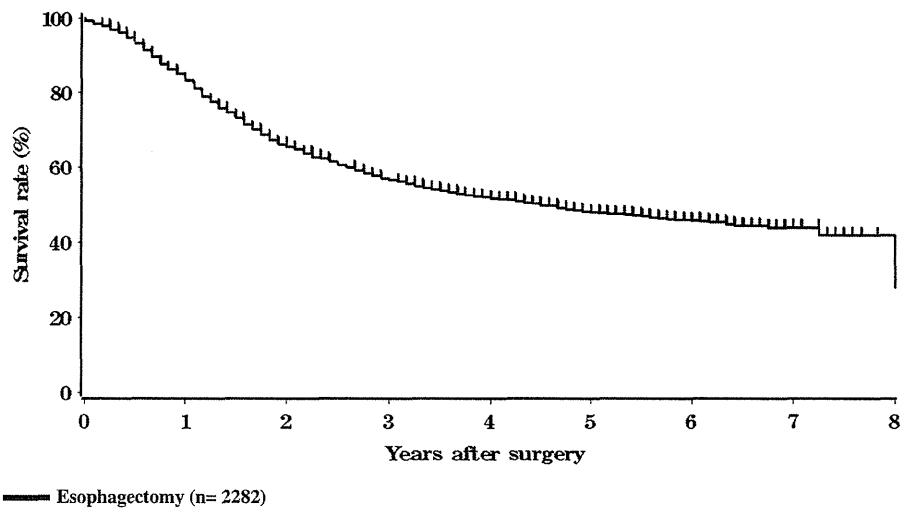
* As of August 31, 2010

Cause of death	Cases (%)
Death due to recurrence	891 (74.1%)
Death due to other cancer	52 (4.3%)
Death due to other disease (rec+)	22 (1.8%)
Death due to other disease (rec-)	138 (11.5%)
Death due to other disease (rec?)	15 (1.2%)
Operative death*	21 (1.7%)
Postoperative hospital death**	27 (2.2%)
Unknown	36 (3.0%)
Total of death cases	1202
Missing	15

rec: recurrence*** Death within 30 days, **Death after 30 days**

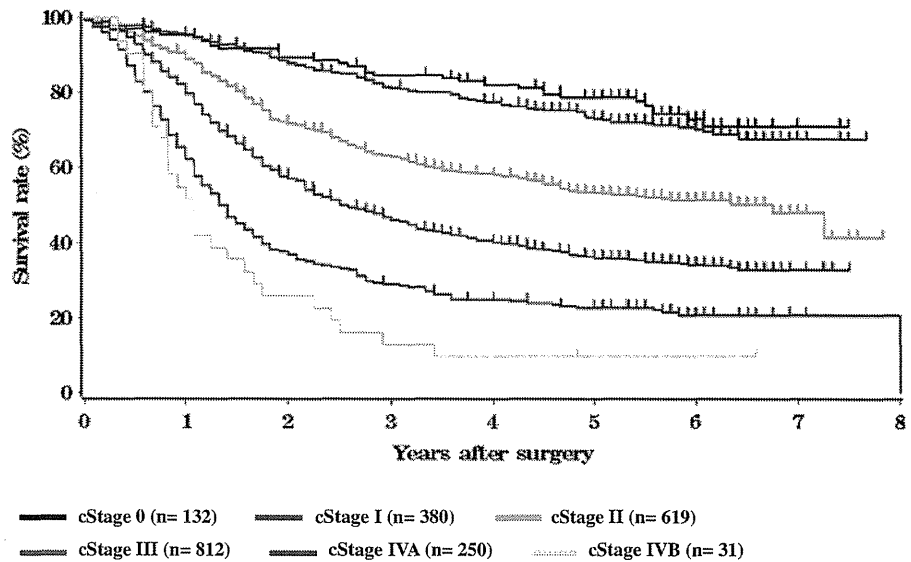
Follow-up period (years)	
Median (min - max)	2.75 (0.00 - 7.41)

Fig. 8 Survival of patients treated by esophagectomy



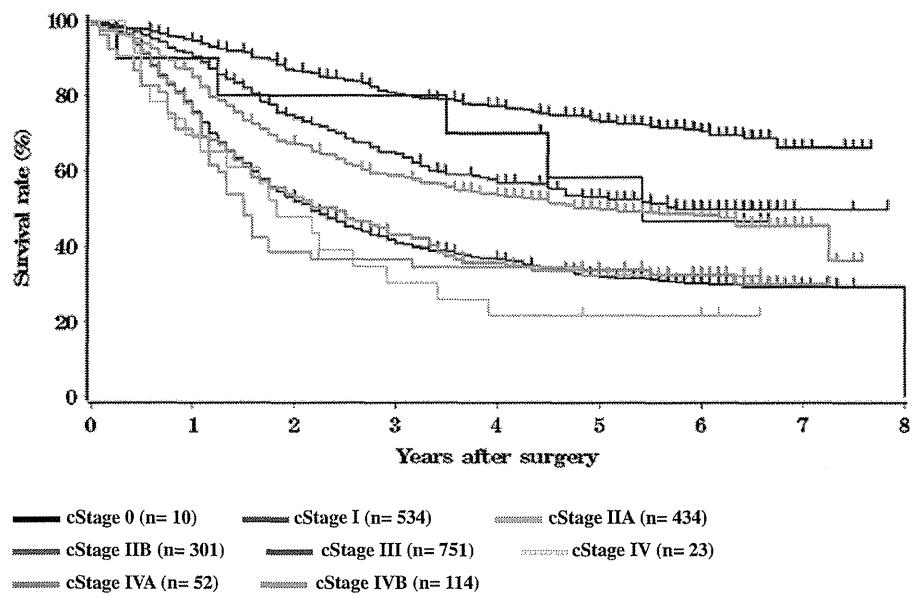
	Years after surgery							
	1	2	3	4	5	6	7	8
Esophagectomy	83.3%	66.1%	57.2%	52.2%	48.0%	45.9%	44.0%	41.9%

Fig. 9 Survival of patients treated by esophagectomy in relation to clinical stage (JSED TNM 9th)



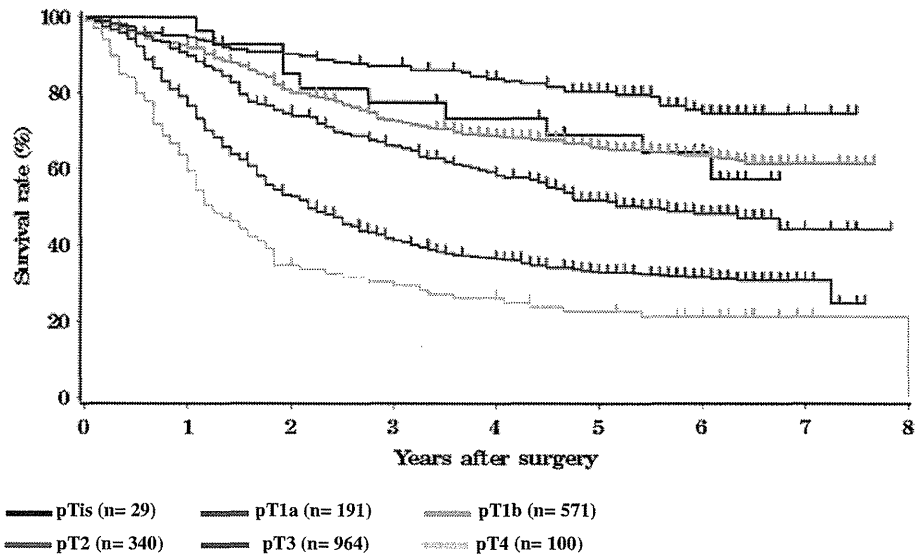
	Years after surgery							
	1	2	3	4	5	6	7	8
cStage 0	95.4%	89.3%	84.5%	82.1%	78.7%	72.9%	70.9%	-
cStage I	95.2%	88.2%	81.5%	77.5%	73.1%	70.3%	67.5%	-
cStage II	89.0%	72.3%	63.2%	58.6%	53.4%	51.4%	48.1%	41.2%
cStage III	79.7%	57.7%	46.9%	40.6%	36.1%	34.3%	32.9%	-
cStage IVA	62.2%	37.7%	29.1%	24.9%	22.6%	20.8%	20.8%	20.8%
cStage IVB	51.6%	25.8%	12.9%	9.7%	9.7%	9.7%	-	-

Fig. 10 Survival of patients treated by esophagectomy in relation to clinical stage (UICC TNM 6th)



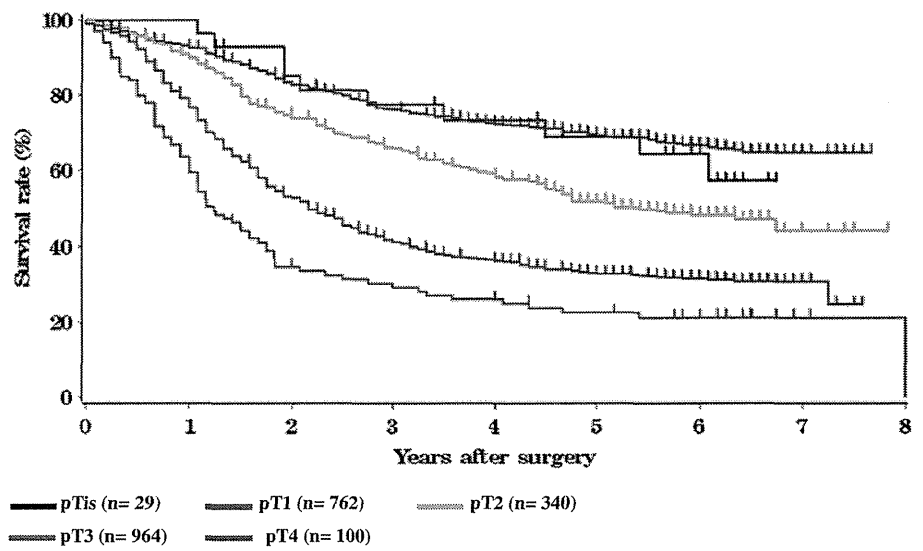
	Years after surgery							
	1	2	3	4	5	6	7	8
cStage 0	90.0%	80.0%	80.0%	70.0%	58.3%	46.7%	46.7%	-
cStage I	94.7%	86.8%	80.9%	77.2%	73.0%	70.5%	66.2%	-
cStage IIA	85.1%	67.4%	58.8%	54.0%	49.9%	48.1%	45.5%	36.4%
cStage IIB	90.6%	74.8%	65.1%	58.0%	53.1%	49.9%	49.9%	49.9%
cStage III	75.6%	52.9%	41.7%	37.0%	32.0%	30.4%	29.5%	29.5%
cStage IV	69.6%	47.8%	30.4%	21.7%	21.7%	21.7%	-	-
cStage IVA	69.2%	38.5%	36.5%	34.5%	32.5%	32.5%	-	-
cStage IVB	75.3%	53.8%	43.0%	35.7%	33.8%	32.6%	30.1%	-

Fig. 11 Survival of patients treated by esophagectomy in relation to the depth of tumor invasion: pT (JSED TNM 9th)



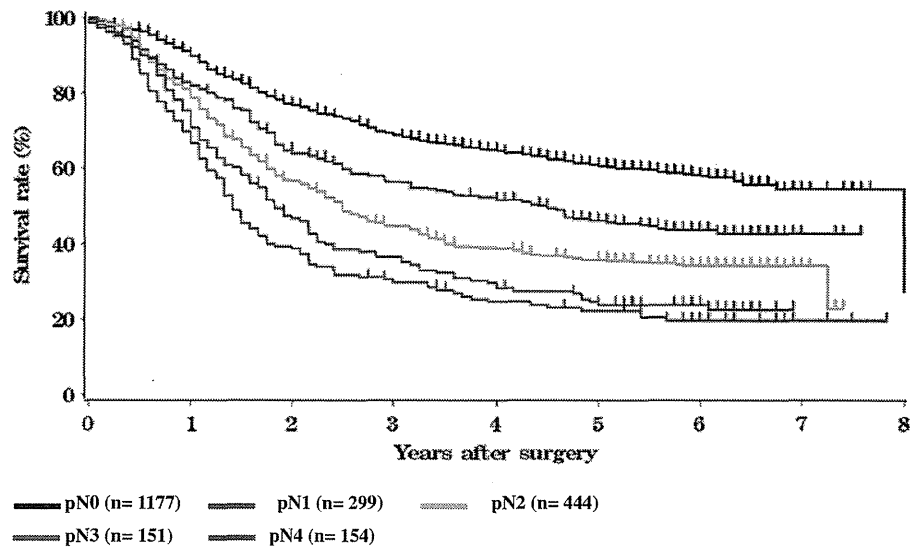
	Years after surgery							
	1	2	3	4	5	6	7	8
pTis	100.0%	85.1%	77.4%	73.3%	69.0%	64.4%	-	-
pT1a	94.7%	90.4%	87.1%	83.8%	80.4%	74.7%	74.7%	-
pT1b	92.0%	80.8%	72.9%	68.7%	65.6%	63.6%	61.4%	61.4%
pT2	89.9%	74.6%	66.3%	59.3%	51.7%	48.2%	44.0%	44.0%
pT3	76.6%	53.1%	41.7%	36.6%	32.8%	31.5%	30.8%	-
pT4	59.5%	34.6%	30.3%	26.0%	22.5%	21.2%	21.2%	21.2%

Fig. 12 Survival of patients treated by esophagectomy in relation to the depth of tumor invasion: pT (UICC TNM 6th)



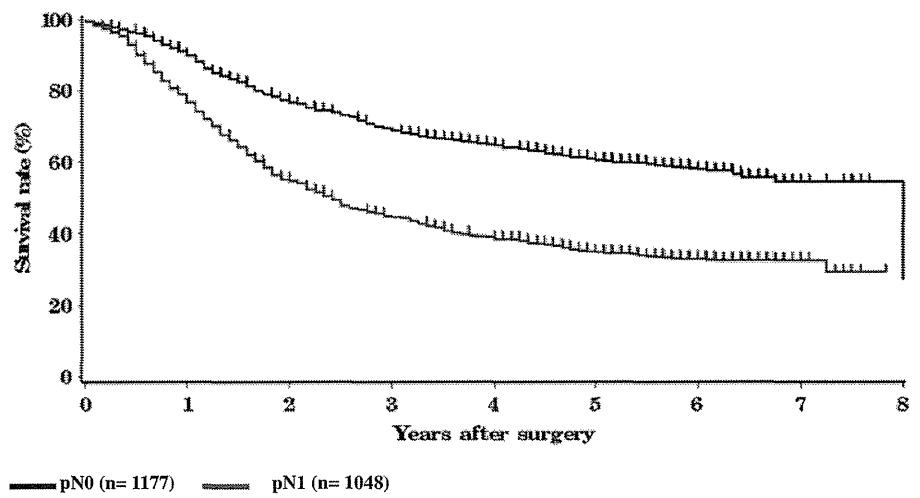
	Years after surgery							
	1	2	3	4	5	6	7	8
pTis	100.0%	85.1%	77.4%	73.3%	69.0%	64.4%	-	-
pT1	92.7%	83.3%	76.5%	72.6%	69.3%	66.5%	64.7%	64.7%
pT2	89.9%	74.6%	66.3%	59.3%	51.7%	48.2%	44.0%	44.0%
pT3	76.6%	53.1%	41.7%	36.6%	32.8%	31.5%	30.8%	-
pT4	59.5%	34.6%	30.3%	26.0%	22.5%	21.2%	21.2%	21.2%

Fig. 13 Survival of patients treated by esophagectomy in relation to lymph node metastasis: pN (JSED TNM 9th)



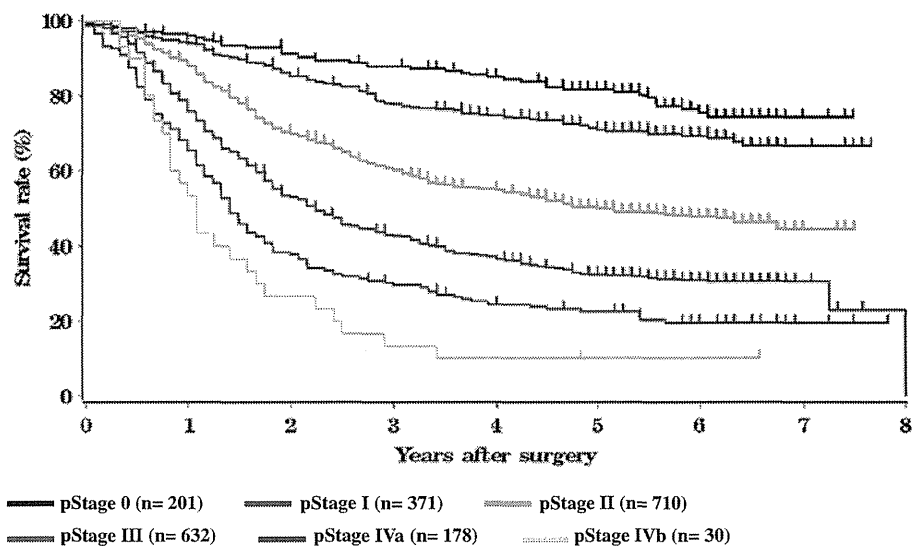
	Years after surgery							
	1	2	3	4	5	6	7	8
pN0	89.8%	77.1%	69.4%	64.9%	60.4%	57.9%	54.3%	54.3%
pN1	82.1%	64.5%	56.4%	52.1%	46.1%	43.4%	42.5%	42.5%
pN2	78.7%	56.5%	44.7%	38.7%	35.7%	34.0%	34.0%	22.7%
pN3	70.7%	47.2%	36.3%	29.4%	23.7%	23.7%	22.4%	-
pN4	66.5%	39.1%	30.3%	24.4%	22.1%	19.5%	19.5%	19.5%

Fig. 14 Survival of patients treated by esophagectomy in relation to lymph node metastasis: pN (UICC TNM 6th)



	Years after surgery							
	1	2	3	4	5	6	7	8
pN0	89.8%	77.1%	69.4%	64.9%	60.4%	57.9%	54.3%	54.3%
pN1	76.7%	54.9%	44.7%	39.1%	34.9%	33.0%	32.5%	29.3%

Fig. 15 Survival of patients treated by esophagectomy in relation to pathological stage (JSED TNM 9th)



	Years after surgery							
	1	2	3	4	5	6	7	8
pStage 0	96.0%	91.3%	87.7%	85.0%	81.6%	75.5%	74.3%	74.3%
pStage I	94.0%	85.8%	78.1%	74.6%	71.0%	69.5%	66.5%	66.5%
pStage II	88.0%	70.3%	60.8%	55.2%	50.0%	47.8%	44.4%	44.4%
pStage III	75.8%	53.2%	42.9%	37.3%	32.4%	31.1%	30.7%	23.0%
pStage IVa	65.4%	38.3%	30.2%	24.6%	22.5%	19.6%	19.6%	19.6%
pStage IVb	53.3%	26.7%	17.1%	13.3%	10.0%	10.0%	10.0%	-

Fig. 16 Survival of patients treated by esophagectomy in relation to pathological stage (UICC TNM 6th)

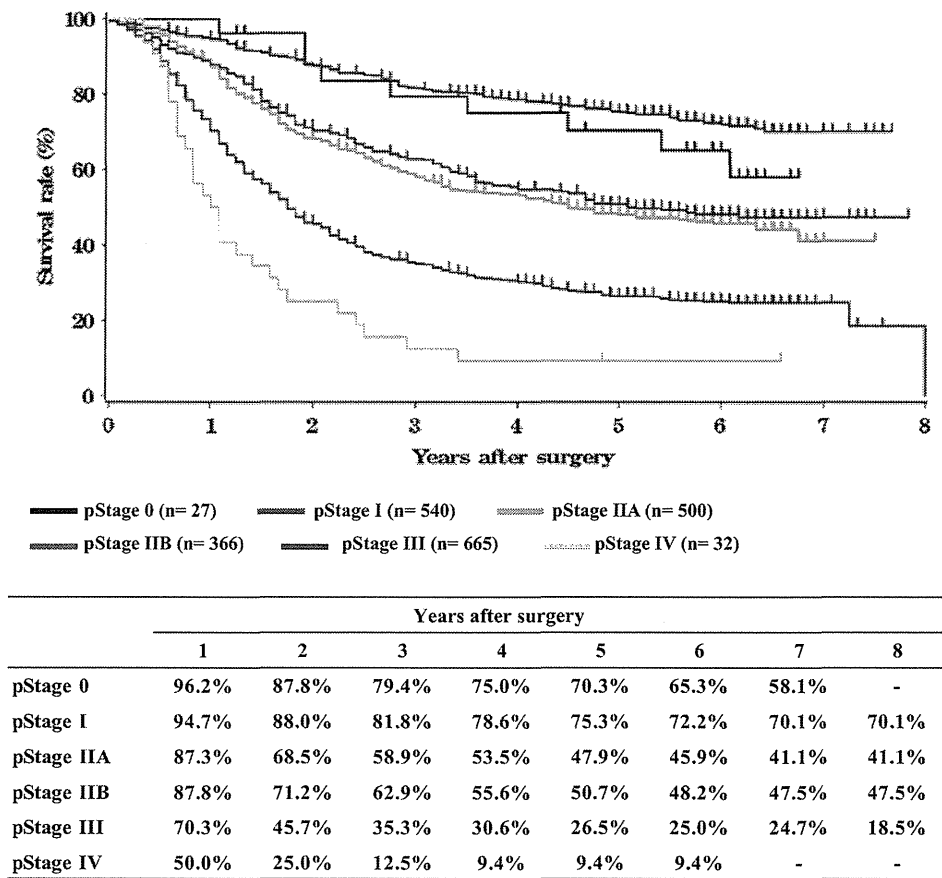
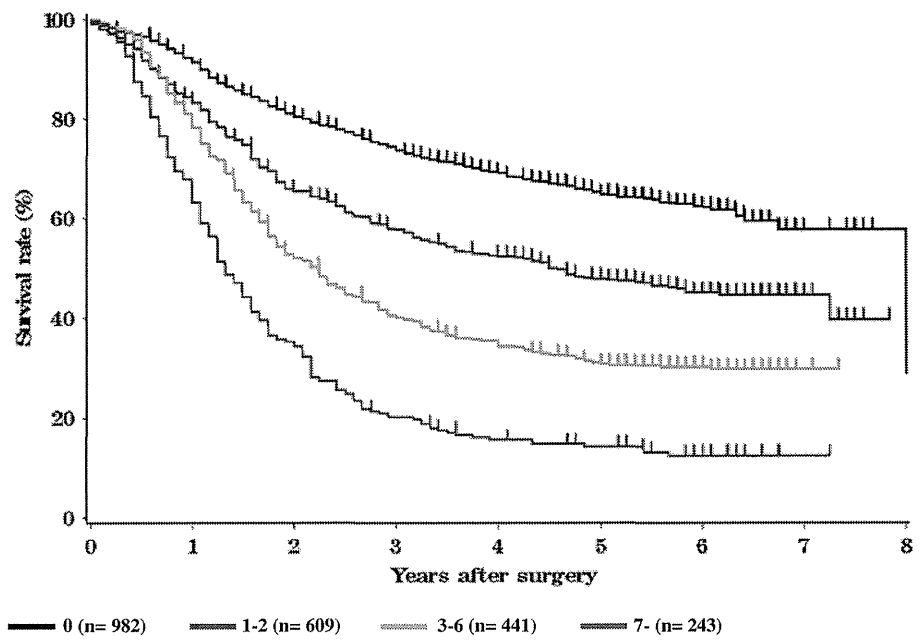
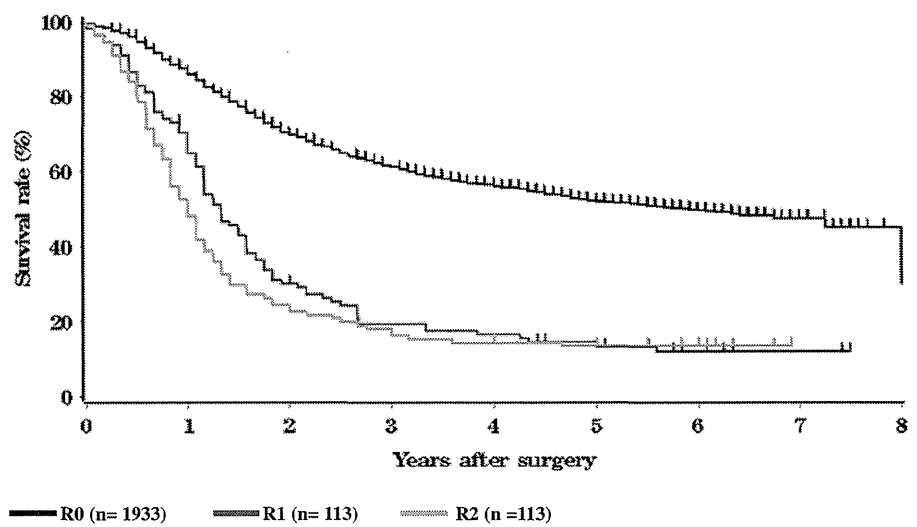


Fig. 17 Survival of patients treated by esophagectomy in relation to number of metastatic node



	Years after surgery							
	1	2	3	4	5	6	7	8
0	91.4%	81.0%	74.4%	69.4%	64.8%	62.2%	57.8%	57.8%
1-2	83.3%	65.7%	57.9%	52.6%	47.9%	45.2%	44.8%	39.8%
3-6	78.3%	52.6%	40.7%	35.5%	30.9%	30.3%	29.8%	29.8%
7-	63.1%	35.4%	20.2%	15.7%	14.3%	12.5%	12.5%	12.5%

Fig. 18 Survival of patients treated by esophagectomy in relation to residual tumor: R



	Years after surgery							
	1	2	3	4	5	6	7	8
R0	86.1%	70.3%	61.6%	56.5%	52.0%	49.6%	47.5%	45.0%
R1	64.9%	30.2%	19.5%	16.5%	13.5%	12.1%	12.1%	12.1%
R2	48.0%	24.5%	18.1%	14.5%	13.5%	13.5%	13.5%	-

Comprehensive Registry of Esophageal Cancer in Japan, 2005

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Published online: 14 September 2013
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Preface

We deeply appreciate the great contributions of many physicians in the registry of esophageal cancer cases. The Comprehensive Registry of Esophageal Cancer in Japan, 2005, was published here, despite some delay. The registry complies with the Act for the Protection of Personal Information. The encryption with a HASH function is used for “anonymity in an unlinkable fashion”.

These data were first made available on July 1, 2013, as the Comprehensive Registry of Esophageal Cancer in Japan, 2005. Not all the pages are reprinted here; however, the original table and figure numbers have been maintained.

The authors were members of the Registration Committee for Esophageal Cancer, the Japan Esophageal Society, and made great contributions to the preparation of this material.

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We briefly summarized the Comprehensive Registry of Esophageal Cancer in Japan, 2005. Japanese Classification of Esophageal Cancer 9th and UICC TNM Classification 6th were used for cancer staging according to the subjected year. A total of 5,547 cases were registered from 237 institutions in Japan. Tumor locations were cervical 4.8 %, upper thoracic 13.4 %, middle thoracic 46.9 %, lower thoracic 27.7 % and EG junction 6.2 %. Superficial carcinomas (Tis, T1a, T1b) were 32.8 %. As for the histologic type of biopsy specimens, squamous cell carcinoma and adenocarcinoma accounted for 91.4 and 3.6 %, respectively. Regarding clinical results, the 5-year survival rates of patients treated using endoscopic mucosal resection, concurrent chemoradiotherapy, radiotherapy alone, chemotherapy alone, or esophagectomy were 85.3, 24.9, 18.0, 6.9, and 50.9 %, respectively. Esophagectomy was performed in 2456 cases. Concerning the approach used for esophagectomy, 15.9 % of the cases were treated

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thoracoscopically. The operative mortality (within 30 days after surgery) was 1.0 % and the hospital mortality was 2.1 %.

We hope that this Comprehensive Registry of Esophageal Cancer in Japan for 2005 will help to improve all aspects of the diagnosis and treatment of esophageal cancer in Japan.

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I. Clinical factors of esophageal cancer patients treated in 2005

Institution-registered cases in 2005

Institution

Aichi Cancer Center
 Aizawa Hospital
 Akita University Hospital
 Arao Municipal Hospital
 Asahikawa Medical College Hospital
 Chiba Cancer Center
 Chiba Medical Center
 Chiba Prefecture Sawara Hospital
 Chiba University Hospital
 Chibaken Saiseikai Narashino Hospital
 Dokkyo Medical University Hospital
 Foundation for Detection of Early Gastric Carcinoma
 Fuchu Hospital
 Fujioka General Hospital
 Fujisawa Shounandai Hospital
 Fujita Health University
 Fukui Red Cross Hospital
 Fukui University Hospital
 Fukuoka Saiseikai General Hospital
 Fukuoka University Hospital
 Gifu Prefectural General Medical Center
 Gifu University Hospital
 Gunma Central General Hospital
 Gunma Prefectural Cancer Center
 Gunma University Hospital
 Hakodate Goryokaku Hospital
 Hakodate National Hospital
 Hamamatsu University School of Medicine, University Hospital
 Hannan Chuo Hospital
 Health Insurance Naruto Hospital
 Hiratsuka City Hospital
 Hiratsuka Kyosai Hospital
 Hiroshima City Asa Hospital
 Hiroshima University Research Institute for Radiation Biology
 Medicine
 Hitachi General Hospital
 Hokkaido Kin-Ikyo Chuo Hospital
 Hokkaido P.W.F.A.C Obihiro-Kosei General Hospital
 Hokkaido University Hospital
 Hyogo College of Medicine
 Ibaraki Prefectural Central Hospital
 Imazu Surgical Clinic
 Inazawa City Hospital
 International University of Health and Welfare Mita Hospital

continued

Institution

Ishikawa Prefectural Central Hospital
 Ishinomaki Red Cross Hospital
 Iwakuni Medical Center
 Iwate Medical University Hospital
 Japanese Red Cross Shizuoka Hospital
 Juntendo University Hospital
 Juntendo University Shizuoka Hospital
 Junwaki Memorial Hospital
 Kagawa Prefectural Central Hospital
 Kagawa Rosai Hospital
 Kagawa University Hospital
 Kagoshima Kenritsu Satsunan Hospital
 Kagoshima University Hospital
 Kanazawa Medical University Hospital
 Kanazawa University Hospital
 Kansai Medical University Hirakata Hospital
 Kansai Rosai Hospital
 Kasamatsu Hospital
 Kashiwa Kousei General Hospital
 Kawakita General Hospital
 Kawasaki Medical School Hospital
 Kawasaki Municipal Hospital
 Kawasaki Municipal Ida Hospital
 Keio University Hospital
 Keiyukai Sapporo Hospital
 Kikuna Memorial Hospital
 Kinki Central Hospital
 Kinki University Hospital
 Kinki University Sakai Hospital
 Kiryu Kosei General Hospital
 Kishiwada City Hospital
 Kitakyushu Municipal Medical Center
 Kitasato University Hospital
 Kitasato University Kitasato Institute Medical Center Hospital
 Kobe City Medical Center General Hospital
 Kochi University Hospital
 Kumamoto University Hospital
 Kurashiki Central Hospital
 Kurume Daiichi Social Insurance Hospital
 Kurume University Hospital
 Kuwana West Medical Center
 Kyorin University Hospital
 Kyoto University Hospital
 Kyushu Central Hospital of the Mutual Aid Association of Public
 School Teachers
 Kyushu University Beppu Hospital
 Kyushu University Hospital
 Matsuda Hospital
 Matsushita Memorial Hospital
 Matsuyama Red Cross Hospital

continued

Institution

Mie University Hospital
 Minoh City Hospital
 Mito Red Cross Hospital
 Mitsui Memorial Hospital
 Murakami General Hospital
 Musashimurayama Hospital
 Nagahama City Hospital
 Nagano Red Cross Hospital
 Nagasaki University Hospital
 Nagayoshi General Hospital
 Nagoya City University Hospital
 Nagoya Daiichi Red Cross Hospital
 Nagoya University Hospital
 Nanpuh Hospital
 Nara Medical University Hospital
 National Cancer Center Hospital
 National Defense Medical College Hospital
 National Hospital Organization Chiba Medical Center
 National Hospital Organization Fukuoka-higashi Medical Center
 National Hospital Organization Hokkaido Cancer Center
 National Hospital Organization Iwakuni Medical Center
 National Hospital Organization Kure Medical Center
 National Hospital Organization Kyushu Cancer Center
 National Hospital Organization Matsumoto National Hospital
 National Hospital Organization Nagoya Medical Center
 National Hospital Organization Osaka National Hospital
 National Hospital Organization Sendai Medical Center
 National Hospital Organization Tokyo Medical Center
 Nihon University Itabashi Hospital
 Niigata Cancer Center Hospital
 Niigata City General Hospital
 Niigata Prefectural Shibata Hospital
 Niigata University Medical and Dental Hospital
 Nikko Memorial Hospital
 Nippon Medical School Chiba Hokusoh Hospital
 Nippon Medical School Hospital
 Nippon Medical School Musashi Kosugi Hospital
 Nippon Medical School Tama Nagayama Hospital
 Nishi-Kobe Medical Center
 Nishinomiya Municipal Central Hospital
 Nomura Medical Park Hospital
 NTT East Japan Kanto Hospital
 Numazu City Hospital
 Ohta General Hospital Foundation Ohta Nishinouchi Hospital
 Oita Red Cross Hospital
 Oita University Hospital
 Oizumi Gastrointestinal Medical Clinic
 Okayama Saiseikai General Hospital
 Okayama University Hospital
 Onomichi Municipal Hospital

continued

Institution

Osaka City General Medical Center
 Osaka City University Hospital
 Osaka Hospital of Japan Seafarers relief Association
 Osaka Koseinenkin Hospital
 Osaka Medical Center for Cancer and Cardiovascular Diseases
 Osaka Medical College Hospital
 Osaka Prefectural Hospital Organization Osaka General Medical Center
 Osaka Red Cross Hospital
 Otsu Red Cross Hospital
 Ryukyu University Hospital
 Saga University Hospital
 Saiseikai General Hospital
 Saiseikai Kyoto Hospital
 Saiseikai Utsunomiya Hospital
 Saitama City Hospital
 Saitama Medical Center
 Saitama Medical Center Jichi Medical University
 Saitama Medical University Hospital
 Saitama Medical University International Medical Center
 Saitama Prefectural Cancer Center
 Saitama Red Cross Hospital
 Saitama Social Insurance Hospital
 Sakai Municipal Hospital
 Saku Central Hospital
 Sanno Hospital
 Sano Kousei General Hospital
 Sato Clinic
 Sendai City Hospital
 Shiga Medical Center for Adults
 Shiga University of Medical Science Hospital
 Shikoku Cancer Center
 Shimane University Hospital
 Shimizu Welfare Hospital
 Shinshiro Municipal Hospital
 Shinshu University Hospital
 Shizuoka Cancer Center
 Shizuoka City Shimizu Hospital
 Shizuoka City Shizuoka Hospital
 Shizuoka General Hospital
 Showa University Hospital
 Showa University Northern Yokohama Hospital
 Showa University Toyosu Hospital
 Social Insurance Omuta Tenryo Hospital
 Social Insurance Tagawa Hospital
 Social Insurance Yokohama Central Hospital
 Sonoda Daiichi Hospital
 St. Luke's International Hospital
 Sugita Genpaku Memorial Obama Municipal Hospital
 Suita Municipal Hospital
 Takaoka Hospital