

**Multi-Institutional Registry of Large Bowel Cancer
in Japan**

**Vol. 15
Cases treated in 1989**

Japanese Society for Cancer of the Colon and Rectum

Preface

This is the fifteenth issue of the Multi-Institutional Registry of Large Bowel Cancer in Japan. The registry started in 1980 as a task of the Japanese Society for Cancer of the Colon and Rectum (JSCCR).

In this series, of a total of 5,467 patients on file in 119 member institutes of JSCCR, 5,370 were found to have undergone initial treatment for histologically confirmed malignant neoplasms during the period from January 1 to December 31, 1989, and were available for analysis. All contents and items reported herein are identical to those of the previously published issues (i.e. from Vol. 1 through Vol. 14 except Vol. 5, Vol. 10 and Vol. 12).

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Japanese Society for Cancer of the Colon and Rectum

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1 Patients registered

Number of registered patients by institutes

Institute	Department	No. of registered	No. of cases analyzed		
			Total	Male	Female
Aichi Cancer Center Hospital	GE Surg	84	83	38	45
Aichi Prefectural Hospital	Surg	11	11	7	4
Aomori Municipal Hospital	Surg	79	79	48	31
Cancer Institute Hospital	Surg	79	79	39	40
Chiba Cancer Center	GI Surg	44	44	26	18
Coloproctology Center, Hidaka Hospital		15	14	7	7
Coloproctology Center, Takano Hospital		194	194	132	62
Dokkyo University School of Medicine	Surg I	25	25	13	12
Dokkyo University School of Medicine	Surg II	30	30	17	13
Faculty of Medicine, Kyushu University	Surg II	32	30	13	17
Faculty of Medicine, Mie University	Surg I	11	11	5	6
Faculty of Medicine, Mie University	Surg II	40	40	24	16
Faculty of Medicine, University of Tokyo	Surg I	58	56	41	15
Fujita Health University School of Medicine	Surg II	9	9	4	5
Fujita Health University School of Medicine	Surg III	12	11	7	4
Fukui Medical School	Surg I	38	38	22	16
Fukui Prefectural Hospital	Surg	79	76	43	33
Fukuoka University, Tsukushi Hospital	Surg	42	42	24	18
Fukushima Medical College	Surg I	14	14	8	6
Fukushima Medical College	Surg II	8	8	4	4
Gifu University School of Medicine	Surg I	21	20	8	12
Gifu University School of Medicine	Surg II	24	23	17	6
Gihoku General Hospital	Surg	29	27	16	11
Gunma Cancer Center	Surg	43	43	25	18
Gunma University School of Medicine	Surg I	56	53	34	19
Hamamatsu Medical Center		60	60	37	23
Hamamatsu University School of Medicine	Surg II	30	28	11	17
Hiraga General Hospital	Surg	36	33	19	14
Hirosaki University, School of Medicine	Surg II	44	44	28	16
Hirosaki University, School of Medicine	IM I	4	4	4	0
Hiroshima University School of Medicine	Surg II	40	37	20	17
Hyogo Medical Center for Adults	GE	2	2	2	0
Hyogo Prefectural Kakogawa Hospital		15	14	8	6
Ibaragi Prefectural Central Hospital	Surg	35	33	17	16
Iwakuni National Hospital	Surg	36	34	21	13
Iwate Medical University, School of Medicine	Surg I	36	35	18	17
Jichi Medical School	GI Gen Surg	81	79	51	28
Kagawa Medical University	Surg I	25	24	13	11
Kanagawa Cancer Center	Surg IV	100	98	55	43
Kanazawa Medical University	GI Gen Surg	45	45	26	19
Kanto Rosai Hospital	Surg	32	31	20	11
Karasawa Hospital		14	14	9	5
Kariya General Hospital	Surg	46	44	24	20
Kasukabe City Hospital	Surg	29	28	15	13
Kawasaki City Ida Hospital	Surg	39	39	19	20
Kawasaki Medical School	GE Surg	70	70	39	31
Kinki University School of Medicine	Surg I	77	77	39	38
Kumamoto Municipal Hospital	CP	52	52	28	24

Institute	Department	No. of registered	No. of cases analyzed		
			Total	Male	Female
Kurume University, School of Medicine	Surg I	101	101	56	45
Kyoto National Hospital	Surg	58	58	35	23
Kyoto Prefectural University of Medicine	Surg II	33	33	22	11
Kyoto University, Faculty of Medicine	Surg I	48	48	22	26
Matsuda Hospital		30	30	18	12
Medical School, Nagoya City University	Surg I	43	43	26	17
Mito Kyodo General Hospital	Surg	45	43	24	19
Mitsui Memorial Hospital	Surg	70	68	41	27
Miyagi Seijinbyo Center	Surg	47	47	23	24
Nagasaki University, School of Medicine	Surg I	51	51	34	17
Nara Medical University	Surg I	55	54	35	19
National Cancer Center Hospital	Surg	142	142	90	52
National Defense Medical College	Surg I	108	105	66	39
National Kyushu Cancer Center	GE Surg	70	70	39	31
National Kyushu Medical Center Hospital	Surg	72	70	41	29
National Sapporo Hospital, Hokkaido Cancer Center	Surg	41	40	20	20
National Tochigi Hospital	Surg	10	10	7	3
Nihon University, School of Medicine	Surg III	36	36	21	15
Niigata University, School of Medicine	Surg I	43	43	22	21
Oita Medical University	Surg I	18	18	11	7
Okayama 1st Red Cross Hospital	Surg	43	42	29	13
Okayama University, Medical School	Surg II	12	12	6	6
Oomoto Hospital	Surg	12	11	8	3
Osaka City University Medical School	Surg I	67	67	36	31
Osaka Medical Center for Adults	IM III	51	42	35	7
Osaka Medical College	GI Gen Surg	65	65	37	28
Osaka Prefectural Hospital	GI Gen Surg	75	72	46	26
Osaka Teishin Hospital	Surg	33	33	21	12
Red Cross Omiya Hospital	Surg	77	76	45	31
Red Cross Sendai Hospital	Surg	39	39	23	16
Research Institute for Radiation Biology and Medicine,	Surg	12	12	8	4
Hiroshima University					
Saga Prefectural Hospital, Koseikan		85	83	41	42
Saitama Medical Center	Surg II	13	13	7	6
Saitama Medical School	Surg II	32	30	17	13
Sapporo Social Insurance General Hospital	Surg	10	9	4	5
School of Medicine, Chiba University	Surg I	42	42	28	14
School of Medicine, Chiba University	Surg II	13	9	7	2
School of Medicine, Keio University	Surg	80	79	60	19
School of Medicine, Kitasato University	Surg	12	12	6	6
School of Medicine, Tokai University	Surg II	71	69	41	28
Sendai National Hospital	Surg	56	56	35	21
Sendai National Hospital	GE	3	1	1	0
Shiga University of Medical Science	Surg I	28	27	11	16
Shikoku Cancer Center Hospital	Surg	54	54	32	22
Shimane Medical University	Surg II	23	21	12	9
Shinshu University, School of Medicine	Surg II	32	32	24	8
Social Insurance Central Hospital, Colo-proctology Center	Surg	88	86	49	37

Institute	Department	No. of registered	No. of cases analyzed		
			Total	Male	Female
Social Insurance Ritsurin Hospital	Surg	11	11	8	3
St.Marianna University School of Medicine	Surg I	25	25	16	9
St.Marianna University School of Medicine	Surg	15	14	8	6
Tachikawa Hospital	Surg	48	48	28	20
Teikyo University School of Medicine	Surg I	26	26	18	8
Terada Hospital	Surg	10	10	7	3
The Jikei University School of Medicine, Third Hospital	Surg	44	43	24	19
Tochigi Cancer Center		44	44	25	19
Toho University School of Medicine	Surg I	42	41	27	14
Toho University School of Medicine	IM III	2	2	2	0
Tohoku University, School of Medicine	Surg I	51	47	27	20
Tokyo Kyosai Hospital		107	107	75	32
Tokyo Medical and Dental University, School of Medicine	Surg I	26	25	14	11
Tokyo Medical and Dental University, School of Medicine	Surg II	35	35	20	15
Tokyo Medical College	Surg	98	97	64	33
Tokyo Metropolitan Cancer Detection Center		8	8	6	2
Tokyo Metropolitan Komagome Hospital	Surg	142	141	86	55
Tokyo Women's Medical College	Surg II	74	73	50	23
Tokyo Women's Medical College, Institute of Gastroenterology	Surg	96	96	64	32
Tottori University, Faculty of Medicine	Surg I	47	46	25	21
Toyama Prefectural Central Hospital	Surg	50	50	19	31
Yaizu Municipal Hospital	Surg	50	50	27	23
Yamagata Prefectural Central Hospital	Surg	110	110	62	48
Yamanashi Medical University	Surg I	32	32	21	11
Total		5,467	5,370	3,190	2,180

Cases with the following items omitted were excluded from analysis.

- 1) Histological features.
- 2) Date of birth.
- 3) Date of treatment.
- 4) Sex.
- 5) Location of tumor.

Abbreviation

CP: Coloproctology, GI: Gastrointestinal, GE: Gastroenterological, Gen: General, IM: Internal Medicine, Surg: Surgery

2 Patients analyzed

2-1 Histological type, site and sex

Histological type	Site	Total No.	Sex	
			Male	Female
Adenocarcinoma ^{a)}	Colon	2,876	1,629	1,247
	Rectum	2,404	1,507	897
Other malignancies ^{b)}	Colon	28	17	11
	Rectum	62	37	25
Total		5,370	3,190	2,180

a): well-, moderately and poorly differentiated adenocarcinoma, mucinous carcinoma and signet ring cell carcinoma.

b): carcinomas other than adenocarcinoma and non-epithelial malignant neoplasms.

2-2 Histological type, site and surgical treatment

Histological type	Site	Surgery ^{a)}			Total
		Yes	No		
Adenocarcinoma	Colon	2,869	[146] ^{b)}	7	2,876
	Rectum	2,400	[67]	4	2,404
	Total	5,269	[213]	11	5,280
Other malignancies	Colon	27	[0]	1	28
	Rectum	61	[1]	1	62
	Total	88	[1]	2	90
Total		5,357	[214]	13	5,370

a): Includes cryosurgery and electric cauterization.

b): The figures in parentheses represent the number of patients treated solely by endoscopic polypectomy, and those are included in the number in the left column.

3 Modality of principal treatment

Modality ^{a)}	Total	%	Colon	Rectum
No definitive treatment	18	0.3	12	6
Endoscopic polypectomy	214	4	146	68
Surgery	5,122	95.4	2,739	2,383
Cryosurgery	3	0.06	0	3
Electric cautery therapy	1	0.02	1	0
Radiation	2	0.04	1	1
Chemotherapy	10	0.2	5	5
Other modalities	0	0	0	0
Total	5,370	100	2,904	2,466

a): modalities regarded as the most effective and beneficial treatment for cancer.

4 Age incidence

4-1 Male

Site	Total	Age							
		≤ 19	≤ 29	≤ 39	≤ 49	≤ 59	≤ 69	≤ 79	80≥
I	6	0	0	0	0	1	1	3	1
V	4	0	0	0	1	2	1	0	0
C	143	0	2	3	15	29	38	43	13
A	285	0	1	6	29	64	94	67	24
T	220	0	2	1	24	53	76	48	16
D	137	0	0	4	6	39	43	33	12
S	851	1	3	19	84	226	297	175	46
Colon	1,646	1	8	33	159	414	550	369	112
Rs	382	0	1	7	36	98	135	84	21
Ra	456	0	2	16	43	125	163	87	20
Rb	658	0	6	20	73	201	215	123	20
P	43	0	0	0	7	9	11	12	4
E	5	0	0	0	1	0	0	4	0
Rectum	1,544	0	9	43	160	433	524	310	65
Total	3,190	1	17	76	319	847	1,074	679	177

4-2 Female

Site	Total	Age							
		≤ 19	≤ 29	≤ 39	≤ 49	≤ 59	≤ 69	≤ 79	80≥
I	1	1	0	0	0	0	0	0	0
V	9	0	1	0	0	2	1	5	0
C	165	0	1	4	7	29	63	50	11
A	260	0	1	5	23	50	84	79	18
T	185	0	0	3	12	41	46	59	24
D	74	0	3	1	2	13	27	25	3
S	564	0	2	12	83	163	172	103	29
Colon	1,258	1	8	25	127	298	393	321	85
Rs	201	1	0	5	25	67	53	37	13
Ra	270	0	0	8	35	65	82	66	14
Rb	427	0	2	13	47	109	126	96	34
P	22	0	0	1	2	3	7	7	2
E	2	0	0	1	0	0	0	1	0
Rectum	922	1	2	28	109	244	268	207	63
Total	2,180	2	10	53	236	542	661	528	148

Colon: I, ileum; V, vermiciform processus; A, ascending colon; T, transverse colon; D, descending colon; S, sigmoid colon.

Rectum: Rs, rectosigmoid; Ra, rectum above the peritoneal reflection; Rb, rectum below the peritoneal reflection; P, proctos; E, external skin.

5 Gross appearance of primary lesion

5-1 Adenocarcinoma

Site	Total	Superficial	Protruding	Localized	Infiltrating	Diffuse	Unclassified	Unknown
				ulcerating	ulcerating	infiltrating	fied	
I	5	2	0	1	0	0	0	2
V	13	0	4	2	0	1	3	3
C	297	16	45	166	55	1	9	5
A	542	53	46	334	81	2	7	19
T	403	57	31	247	47	5	2	14
D	210	28	18	132	24	0	3	5
S	1,406	269	123	847	123	9	11	24
Colon	2,876	425	267	1,729	330	18	35	72
Rs	581	53	56	380	57	4	7	24
Ra	716	96	75	448	64	6	5	22
Rb	1,056	170	80	642	115	9	13	27
P	49	4	7	13	11	0	8	6
E	2	1	0	0	0	0	1	0
Rectum	2,404	324	218	1,483	247	19	34	79
Total	5,280	749	485	3,212	577	37	69	151

5-2 Malignant neoplasms other than adenocarcinoma

Site	Total	Superficial	Protruding	Localized	Infiltrating	Diffuse	Unclassified	Unknown
				ulcerating	ulcerating	infiltrating	fied	
I	2	0	0	0	0	1	0	1
V	0	0	0	0	0	0	0	0
C	11	1	3	3	3	0	0	1
A	3	0	0	2	0	0	1	0
T	2	0	1	0	0	0	0	1
D	1	0	0	0	0	0	0	1
S	9	2	0	1	4	0	0	2
Colon	28	3	4	6	7	1	1	6
Rs	2	0	0	1	1	0	0	0
Ra	10	2	2	4	1	0	0	1
Rb	29	13	2	6	0	1	2	5
P	16	1	2	6	3	0	3	1
E	5	1	0	0	1	0	2	1
Rectum	62	17	6	17	6	1	7	8
Total	90	20	10	23	13	2	8	14

Macroscopic classification of the tumor based on [Japanese Research Society for Cancer of the Colon and Rectum (JRSCCR): General rules for clinical and pathological studies on cancer of the colon, rectum and anus. Japanese Journal of Surgery 13:557-573, 1983.]

6 Histological typing

6-1 Adenocarcinoma

Site	Total	w/d	m/d	p/d	muc	sig	NOS
I	5	4	1	0	0	0	0
V	13	2	1	0	9	1	0
C	297	145	98	24	25	1	4
A	542	264	206	30	17	4	21
T	403	191	159	19	20	1	13
D	210	112	83	4	3	0	8
S	1,406	784	513	30	24	2	53
Colon	2,876	1,502	1,061	107	98	9	99
Rs	581	340	208	11	12	0	10
Ra	716	377	277	19	19	1	23
Rb	1,056	558	405	30	42	5	16
P	49	20	12	4	10	2	1
E	2	1	0	0	1	0	0
Rectum	2,404	1,296	902	64	84	8	50
Total	5,280	2,798	1,963	171	182	17	149

w/d: well-differentiated adenocarcinoma. m/d: moderately differentiated adenocarcinoma. p/d: poorly differentiated adenocarcinoma. muc: mucinous carcinoma. sig: signet ring cell carcinoma.

6-2 Malignant neoplasms other than adenocarcinoma

Site	Total	sq	as	ud	Basaloid	cd	Melanoma	Leiomyo-blastoma	Leiomyo-sarcoma	Malignant lymphoma	Others
I	2	0	0	0	0	1	0	0	0	1	0
V	0	0	0	0	0	0	0	0	0	0	0
C	11	1	0	3	0	1	0	0	0	5	1
A	3	0	1	1	0	0	0	0	0	1	0
T	2	0	0	2	0	0	0	0	0	0	0
D	1	0	0	0	0	0	0	0	0	0	1
S	9	0	2	2	0	1	0	0	0	0	4
Colon	28	1	3	8	0	3	0	0	0	7	6
Rs	2	0	0	0	0	0	0	0	0	0	2
Ra	10	1	1	5	0	1	0	0	0	0	2
Rb	29	4	0	4	1	11	2	0	0	1	6
P	16	11	1	0	1	1	1	0	1	0	0
E	5	3	0	0	0	0	0	0	0	0	2
Rectum	62	19	2	9	2	13	3	0	1	1	12
Total	90	20	5	17	2	16	3	0	1	8	18

sq: squamous cell carcinoma. as: adeno-squamous carcinoma. ud: undifferentiated carcinoma. Basaloid: basaloid cell carcinoma. cd: carcinoid.

7 Operative curability

7-1 Macroscopic, male

Adenocarcinoma

Site	Total	Curative resection		Non-curative resection		Not resected	Unknown
		absolute	relative	relative	absolute		
I	5	3	0	0	0	1	1
V	4	0	0	1	2	0	1
C	132	73	16	10	31	2	0
A	268	178	23	18	42	5	2
T	208	134	30	11	31	1	1
D	127	83	17	6	19	1	1
S	762	506	70	43	129	7	7
Colon	1,506	977	156	89	254	17	13
Rs	366	247	39	25	46	7	2
Ra	424	285	43	13	68	9	6
Rb	626	440	52	24	89	9	12
P	34	21	4	3	4	2	0
E	1	1	0	0	0	0	0
Rectum	1,451	994	138	65	207	27	20
Total	2,957	1,971	294	154	461	44	33

7-2 Macroscopic, female

Adenocarcinoma

Site	Total	Curative resection		Non-curative resection		Not resected	Unknown
		absolute	relative	relative	absolute		
I	0	0	0	0	0	0	0
V	8	2	2	1	3	0	0
C	161	86	20	6	44	2	3
A	258	159	34	9	48	7	1
T	177	103	21	9	35	7	2
D	73	45	13	3	10	1	1
S	540	384	38	25	83	5	5
Colon	1,217	779	128	53	223	22	12
Rs	196	136	13	5	38	4	0
Ra	262	187	29	13	26	5	2
Rb	408	295	44	13	39	7	10
P	15	11	1	0	2	1	0
E	1	0	1	0	0	0	0
Rectum	882	629	88	31	105	17	12
Total	2,099	1,408	216	84	328	39	24

7-3 Histological, male

Adenocarcinoma

Site	Total	Curative resection		Non-curative resection		Not resected	Unknown
		absolute	relative	relative	absolute		
I	5	2	0	0	0	1	2
V	4	0	0	1	2	0	1
C	132	85	13	8	25	1	0
A	268	192	9	18	41	5	3
T	208	145	15	12	32	1	3
D	127	97	6	5	16	1	2
S	762	548	40	33	126	7	8
Colon	1,506	1,069	83	77	242	16	19
Rs	366	261	29	22	46	7	1
Ra	424	287	38	13	71	8	7
Rb	626	441	59	20	93	9	4
P	34	19	3	3	7	2	0
E	1	1	0	0	0	0	0
Rectum	1,451	1,009	129	58	217	26	12
Total	2,957	2,078	212	135	459	42	31

7-4 Histological, female

Adenocarcinoma

Site	Total	Curative resection		Non-curative resection		Not resected	Unknown
		absolute	relative	relative	absolute		
I	0	0	0	0	0	0	0
V	8	1	1	2	3	0	1
C	161	97	7	7	44	2	4
A	258	176	15	9	47	6	5
T	177	115	12	11	30	6	3
D	73	54	9	1	7	1	1
S	540	395	26	26	80	5	8
Colon	1,217	838	70	56	211	20	22
Rs	196	137	9	5	40	4	1
Ra	262	185	29	13	27	5	3
Rb	408	302	30	15	48	7	6
P	15	10	1	0	3	1	0
E	1	0	1	0	0	0	0
Rectum	882	634	70	33	118	17	10
Total	2,099	1,472	140	89	329	37	32

7-5 Histological, endoscopic polypectomy

Adenocarcinoma

Site	Total	Curative resection		Non-curative resection		Not resected	Unknown
		absolute	relative	relative	absolute		
I	0	0	0	0	0	0	0
V	1	1	0	0	0	0	0
C	3	3	0	0	0	0	0
A	13	12	0	0	0	0	1
T	15	14	1	0	0	0	0
D	10	9	1	0	0	0	0
S	104	85	13	1	1	0	4
Colon	146	124	15	1	1	0	5
Rs	18	14	3	0	0	0	1
Ra	29	24	3	0	1	0	1
Rb	20	14	4	0	1	0	1
P	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
Rectum	67	52	10	0	2	0	3
Total	213	176	25	1	3	0	8

Minimum requirements for "curative resection" are as follows:

- 1) No metastasis in the liver, peritoneum or extra-abdominal organs.
- 2) No cancerous infiltration in the surgical margin of the resected specimen.

When the minimum requirements for curative resection are not met, the operation is classified as "non-curative resection." "Absolute" and "relative" categories are determined by the extent of lymph node dissection and assessment of the lymph node metastasis.

Refer to the general rules of "JRSCCR" for the details on terminology and classification used in this report.

(See footnote to Table 5)

8 Hepatic metastasis

Adenocarcinoma, surgical cases

Site	Total	H0	H1	H2	H3	Unknown
I	5	4	0	0	0	1
V	12	10	1	0	1	0
C	293	246	9	13	22	3
A	526	458	24	14	30	0
T	385	337	22	5	17	4
D	200	179	4	7	9	1
S	1,302	1,110	57	36	92	7
Colon	2,723	2,344	117	75	171	16
Rs	562	486	23	15	30	8
Ra	686	599	31	18	30	8
Rb	1,034	915	21	19	42	37
P	49	45	0	0	2	2
E	2	2	0	0	0	0
Rectum	2,333	2,047	75	52	104	55
Total	5,056	4,391	192	127	275	71

H0: No evidence of liver metastasis.

H1: Metastases in one lobe only.

H2: A few scattered metastases in both lobes.

H3: Numerous metastases in both lobes.

9 Peritoneal disseminating metastasis

Adenocarcinoma, surgical cases

Site	Total	P0	p+	P1	P2	P3	Unknown
I	5	4	0	0	0	0	1
V	12	8	0	2	0	2	0
C	293	247	2	13	14	16	1
A	526	477	1	18	8	22	0
T	385	353	1	9	11	9	2
D	200	190	1	3	3	2	1
S	1,302	1,223	4	25	27	17	6
Colon	2,723	2,502	9	70	63	68	11
Rs	562	525	1	18	3	11	4
Ra	686	650	1	17	4	4	10
Rb	1,034	960	0	15	7	4	48
P	49	46	0	1	0	0	2
E	2	1	0	0	0	0	1
Rectum	2,333	2,182	2	51	14	19	65
Total	5,056	4,684	11	121	77	87	76

P0: No evidence of peritoneal dissemination. P1: Slight dissemination in the peritoneum adjacent to the primary lesion. (It seemed to be resectable.) P2: Scattered dissemination in the peritoneum remote from the primary lesion. Dissemination limited to the major omentum or to the ovary is classified as P2. P3: Marked dissemination in the remote peritoneum.

10 Metastasis to remote organs

Adenocarcinoma, surgical cases

Site	Total	M(-)	M(+)	Unknown
I	5	4	0	1
V	12	12	0	0
C	293	275	14	4
A	526	504	17	5
T	385	373	10	2
D	200	197	2	1
S	1,302	1,259	23	20
Colon	2,723	2,624	66	33
Rs	562	532	23	7
Ra	686	660	21	5
Rb	1,034	977	29	28
P	49	46	0	3
E	2	2	0	0
Rectum	2,333	2,217	73	43
Total	5,056	4,841	139	76

M(-): No evidence of metastasis in remote organ(s) but liver and peritoneum.

M(+): Evidence of metastases in the remote organ(s).

11 Lymph node metastasis

11-1 Macroscopic

Adenocarcinoma, surgical cases

Site	Total	N0	N1	N2	N3	N4	Nx
I	5	3	0	0	0	0	2
V	12	1	7	1	1	0	2
C	293	71	82	82	32	21	5
A	526	158	154	137	45	23	9
T	385	135	112	75	31	23	9
D	200	70	63	51	8	2	6
S	1,302	544	385	230	56	57	30
Colon	2,723	982	803	576	173	126	63
Rs	562	217	192	85	27	25	16
Ra	686	291	235	91	26	22	21
Rb	1,034	463	257	175	32	34	73
P	49	25	2	11	2	3	6
E	2	1	0	0	0	0	1
Rectum	2,333	997	686	362	87	84	117
Total	5,056	1,979	1,489	938	260	210	180

11-2 Histological

Adenocarcinoma, surgical cases

Site	Total	n0	n1	n2	n3	n4	nx
I	5	2	0	0	0	0	3
V	12	5	2	0	1	0	4
C	293	148	61	39	20	11	14
A	526	278	109	73	27	10	29
T	385	219	66	37	21	10	32
D	200	119	49	22	2	1	7
S	1,302	750	266	161	21	35	69
Colon	2,723	1,521	553	332	92	67	158
Rs	562	310	125	60	19	15	33
Ra	686	349	180	81	20	18	38
Rb	1,034	535	203	137	45	17	97
P	49	25	3	12	2	1	6
E	2	1	0	0	0	0	1
Rectum	2,333	1,220	511	290	86	51	175
Total	5,056	2,741	1,064	622	178	118	333

N0: No macroscopic evidence of lymph node metastasis.

N1: Macroscopic evidence of metastasis in group 1 lymph nodes.

N2: Macroscopic evidence of metastasis in group 2 lymph nodes.

N3: Macroscopic evidence of metastasis in group 3 lymph nodes.

N4: Macroscopic evidence of metastasis in group 4 lymph nodes.

Nx: Lymph node metastasis unknown or not assessed.

n0: No histological evidence of lymph node metastasis.

n1: Histological evidence of metastasis in group 1 lymph nodes.

n2: Histological evidence of metastasis in group 2 lymph nodes.

n3: Histological evidence of metastasis in group 3 lymph nodes.

n4: Histological evidence of metastasis in group 4 lymph nodes.

nx: Lymph node metastasis unknown or not assessed.

12 Depth of invasion

12-1 Macroscopic

Adenocarcinoma, surgical cases

Site	Total	M	SM	PM	SS, A1	S, A2	Si, Ai	Unknown
I	5	0	1	0	0	1	1	2
V	12	0	1	0	0	2	8	1
C	293	10	7	12	58	130	65	11
A	526	25	21	19	122	227	93	19
T	385	23	19	15	65	185	61	17
D	200	5	15	18	38	82	34	8
S	1,302	66	104	113	288	503	179	49
Colon	2,723	129	168	177	571	1,130	441	107
Rs	562	20	32	46	165	228	57	14
Ra	686	33	45	83	177	253	72	23
Rb	1,034	72	69	172	264	301	115	41
P	49	2	2	6	12	9	11	7
E	2	0	1	0	0	0	0	1
Rectum	2,333	127	149	307	618	791	255	86
Total	5,056	256	317	484	1,189	1,921	696	193

M: Carcinoma is limited to within the mucosa.

SM: Carcinoma is limited to within the mucosa and submucosa.

PM: Carcinoma is limited to within the mucosa, submucosa and proper muscle.

SS: Carcinoma extends from the mucosa beyond the proper muscle but is not exposed on the serosal surface.

S: Carcinoma is exposed on the serosal surface.

Si: Carcinoma definitely infiltrates other organs.

At the site without serosa

A1: Carcinoma extends beyond the proper muscle but does not penetrate deeper.

A2: Carcinoma extends beyond the proper muscle infiltrating deeper but without infiltrating other organs.

Ai: Carcinoma definitely infiltrates other organs.

12-2 Histological

Adenocarcinoma, surgical cases

Site	Total	m	sm	pm	ss, a1	s, a2	si, ai	Unknown
I	5	1	1	0	0	1	1	1
V	12	0	0	0	3	3	6	0
C	293	14	11	14	122	94	35	3
A	526	26	18	27	213	182	45	15
T	385	32	16	17	160	117	36	7
D	200	6	18	13	89	62	9	3
S	1,302	72	127	144	515	341	84	19
Colon	2,723	151	191	215	1,102	800	216	48
Rs	562	28	29	77	225	159	33	11
Ra	686	36	47	98	239	222	29	15
Rb	1,034	84	96	256	255	283	45	15
P	49	2	4	8	9	13	9	4
E	2	0	1	0	1	0	0	0
Rectum	2,333	150	177	439	729	677	116	45
Total	5,056	301	368	654	1,831	1,477	332	93

Definition and classification of "depth of invasion" are equally applicable to histological findings.

Use small letter (i.e., m, sm, pm, ss/ a1, s/ a2, si/ ai) to represent histological findings.

13 Surgical procedures

Adenocarcinoma, surgical cases

	No. of cases		No. of cases
Nonresection		Right colectomy	845
Laparotomy only	11	Transversectomy	189
Enterostomy		Descending colectomy	56
ileum	5	Left colectomy	196
right colon	0	Sigmoidectomy	1,030
transverse colon	13	Subtotal colectomy	10
left colon	40	Total colectomy	8
unknown	0	Total colorectal resection	8
Intestinal by-pass	19	Sphincter-preserving operation	
Others	1	High anterior resection	376
Polypectomy		Low anterior resection	1,019
trans-abdominal	12	Posterior resection	1
trans-anal	27	Invagination method	6
trans-sacral	7	Pull-through procedure	13
trans-sphincteric	4	Abdominosacral resection	9
Tumorectomy		Hartmann's operation	135
trans-abdominal	7	Amputation of the rectum	
trans-anal	33	abdominoperineal	747
trans-sacral	19	abdominosacral	17
trans-sphincteric	3	sacroabdominal	16
Appendectomy	2	Total pelvic exenteration	33
Ileocecal resection	85	Others	24
Ascending colectomy	27	Unknown	3
		Total	5,056

14 Operative mortality

14-1 Operative curability

Adenocarcinoma

	Total	Curative resection		Non-curative resection		Not resected	Unknown
		absolute	relative	relative	absolute		
Colon	No. of operations	2,723	1,907	153	133	453	36
	Operative deaths	34	9	0	1	15	6
	%	1.2	0.5	0	0.8	3.3	7.3
Rectum	No. of operations	2,333	1,643	199	91	335	43
	Operative deaths	26	12	1	1	5	6
	%	1.1	0.7	0.5	1.1	1.5	4.5

14-2 Operative curability

Malignant neoplasms other than adenocarcinoma

	Total	Curative resection		Non-curative resection		Not resected	Unknown
		absolute	relative	relative	absolute		
Colon	No. of operations	27	13	2	1	6	3
	Operative deaths	3	1	1	0	0	1
	%	11.1	7.7	50.0	0	0	0
Rectum	No. of operations	60	31	12	2	11	3
	Operative deaths	1	0	0	0	0	1
	%	1.7	0	0	0	0	100

14-3 Site of the tumor

	Adenocarcinoma			Other malignancies		
	No. of operations	Operative deaths	%	No. of operations	Operative deaths	%
I	5	0		2	0	
V	12	1	8.3	0	0	
C	293	7	2.4	10	0	
A	526	7	1.3	3	0	
T	385	6	1.6	2	1	50.0
D	200	3	1.5	1	0	
S	1,302	10	0.8	9	2	22.2
Colon	2,723	34	1.2	27	3	11.1
Rs	562	7	1.2	2	0	
Ra	686	9	1.3	10	1	10.0
Rb	1,034	9	0.9	28	0	
P	49	1	2.0	15	0	
E	2	0		5	0	
Rectum	2,333	26	1.1	60	1	1.7
Total	5,056	60	1.2	87	4	4.6

14-4 Surgical procedures

Adenocarcinoma

	No.of cases	No.of deaths	%		No.of cases	No.of deaths	%
Nonresection				Right colectomy	845	13	1.5
Laparotomy only	11	3	27.3	Transversectomy	189	3	1.6
Enterostomy				Descending colectomy	56	2	3.6
ileum	5	0		Left colectomy	196	0	
right colon	0	0		Sigmoidectomy	1,030	9	0.9
transverse colon	13	2	15.4	Subtotal colectomy	10	0	
left colon	40	3	7.5	Total colectomy	8	0	
unknown	0	0		Total colorectal resection	8	0	
Intestinal by-pass	19	3	15.8	Sphincter-preserving operation			
Others	1	0		High anterior resection	376	0	
Polypectomy				Low anterior resection	1,019	7	0.7
trans-abdominal	12	0		Posterior resection	1	0	
trans-anal	27	0		Invagination method	6	0	
trans-sacral	7	0		Pull-through procedure	13	1	7.7
trans-sphincteric	4	0		Abdominosacral resection	9	0	
Tumorectomy				Hartmann's operation	135	3	2.2
trans-abdominal	7	0		Amputation of the rectum			
trans-anal	33	0		abdominoperineal	747	8	1.1
trans-sacral	19	1	5.3	abdominosacral	17	0	
trans-sphincteric	3	0		sacroabdominal	16	0	
Appendectomy	2	0		Total pelvic exenteration	33	1	3.0
Ileocecal resection	85	0		Others	24	0	
Ascending colectomy	27	0	4.3	Unknown		3	1 33.3
				Total	5,056	60	1.2

Cumulative Survival Rate

15-1 Sex

Adenocarcinoma

Colon, male		YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
0 - 1	1,500	186	72	0	87.3 ± 1.7 (89.0 - 85.6)		
1 - 2	1,242	117	29	0	79.0 ± 2.1 (81.1 - 76.8)		
2 - 3	1,096	81	39	0	73.0 ± 2.4 (75.4 - 70.7)		
3 - 4	976	64	41	0	68.1 ± 2.5 (70.6 - 65.6)		
4 - 5	871	52	59	0	63.9 ± 2.6 (66.5 - 61.3)		
5 -	760			760			
TOTAL	1,500	500	240	760			

Colon, female		YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
0 - 1	1,209	141	70	0	88.0 ± 1.9 (89.9 - 86.1)		
1 - 2	998	108	37	0	78.3 ± 2.4 (80.7 - 75.8)		
2 - 3	853	65	23	0	72.2 ± 2.7 (74.9 - 69.6)		
3 - 4	765	38	17	0	68.6 ± 2.8 (71.4 - 65.8)		
4 - 5	710	34	46	0	65.2 ± 2.9 (68.1 - 62.3)		
5 -	630			630			
TOTAL	1,209	386	193	630			

Rectum, male		YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
0 - 1	1,440	175	48	0	87.6 ± 1.7 (89.4 - 85.9)		
1 - 2	1,217	147	24	0	76.9 ± 2.3 (79.2 - 74.7)		
2 - 3	1,046	97	25	0	69.7 ± 2.5 (72.2 - 67.3)		
3 - 4	924	61	31	0	65.0 ± 2.6 (67.6 - 62.5)		
4 - 5	832	53	33	0	60.8 ± 2.7 (63.5 - 58.2)		
5 -	746			746			
TOTAL	1,440	533	161	746			

Rectum,female		YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
0 - 1	878	84	35	0	90.2 ± 2.0 (92.3 - 88.2)		
1 - 2	759	63	12	0	82.7 ± 2.6 (85.3 - 80.1)		
2 - 3	684	50	17	0	76.6 ± 2.9 (79.5 - 73.6)		
3 - 4	617	34	17	0	72.3 ± 3.1 (75.4 - 69.2)		
4 - 5	566	19	30	0	69.8 ± 3.2 (73.0 - 66.6)		
5 -	517			517			
TOTAL	878	250	111	517			

15-2 Sex

Malignant neoplasms other than adenocarcinoma

Colon, male		YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
		0 - 1	16	3	3	0	79.3 ± 21.3 (100.6 - 58.0)
		1 - 2	10	1	0	0	71.4 ± 24.4 (95.7 - 47.0)
		2 - 3	9	2	1	0	54.6 ± 27.9 (82.5 - 26.7)
		3 - 4	6	0	0	0	54.6 ± 27.9 (82.5 - 26.7)
		4 - 5	6	0	1	0	54.6 ± 27.9 (82.5 - 26.7)
		5 -	5			5	
		TOTAL	16	6	5	5	

Colon, female		YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
		0 - 1	10	5	0	0	50.0 ± 31.6 (81.6 - 18.4)
		1 - 2	5	0	0	0	50.0 ± 31.6 (81.6 - 18.4)
		2 - 3	5	0	1	0	50.0 ± 31.6 (81.6 - 18.4)
		3 - 4	4	0	0	0	50.0 ± 31.6 (81.6 - 18.4)
		4 - 5	4	0	0	0	50.0 ± 31.6 (81.6 - 18.4)
		5 -	4			4	
		TOTAL	10	5	1	4	

Rectum, male		YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
		0 - 1	35	6	1	0	82.6 ± 12.9 (95.5 - 69.7)
		1 - 2	28	2	0	0	76.7 ± 14.4 (91.1 - 62.3)
		2 - 3	26	2	1	0	70.7 ± 15.6 (86.3 - 55.1)
		3 - 4	23	3	1	0	61.3 ± 16.8 (78.2 - 44.4)
		4 - 5	19	1	4	0	57.7 ± 17.4 (75.0 - 40.3)
		5 -	14			14	
		TOTAL	35	14	7	14	

Rectum,female		YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
		0 - 1	24	7	1	0	70.2 ± 18.9 (89.1 - 51.3)
		1 - 2	16	1	1	0	65.7 ± 19.7 (85.4 - 46.0)
		2 - 3	14	0	0	0	65.7 ± 19.7 (85.4 - 46.0)
		3 - 4	14	1	0	0	61.0 ± 20.4 (81.4 - 40.6)
		4 - 5	13	0	0	0	61.0 ± 20.4 (81.4 - 40.6)
		5 -	13			13	
		TOTAL	24	9	2	13	

16-1 Macroscopic operative curability

Colon, male, adenocarcinoma

Absolute
curative
resection

YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
0 - 1	974	27	53	0	97.2 ± 1.1 (98.2 - 96.1)
1 - 2	894	35	17	0	93.3 ± 1.6 (95.0 - 91.7)
2 - 3	842	41	28	0	88.7 ± 2.1 (90.8 - 86.6)
3 - 4	773	35	28	0	84.6 ± 2.4 (87.0 - 82.2)
4 - 5	710	36	44	0	80.2 ± 2.7 (82.9 - 77.5)
5 -	630			630	
TOTAL	974	174	170	630	

Relative
curative
resection

YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
0 - 1	155	15	4	0	90.2 ± 4.8 (95.0 - 85.4)
1 - 2	136	12	4	0	82.1 ± 6.2 (88.4 - 75.9)
2 - 3	120	13	5	0	73.0 ± 7.3 (80.3 - 65.7)
3 - 4	102	11	9	0	64.8 ± 8.0 (72.8 - 56.8)
4 - 5	82	6	12	0	59.7 ± 8.4 (68.1 - 51.3)
5 -	64			64	
TOTAL	155	57	34	64	

Relative
non-curative
resection

YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
0 - 1	89	14	1	0	84.2 ± 7.8 (91.9 - 76.4)
1 - 2	74	13	5	0	68.9 ± 10.0 (78.8 - 58.9)
2 - 3	56	12	0	0	54.1 ± 10.9 (65.0 - 43.2)
3 - 4	44	11	2	0	40.3 ± 10.8 (51.1 - 29.4)
4 - 5	31	3	2	0	36.2 ± 10.7 (46.9 - 25.5)
5 -	26			26	
TOTAL	89	53	10	26	

Absolute
non-curative
resection

YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
0 - 1	254	117	11	0	52.9 ± 6.3 (59.3 - 46.6)
1 - 2	126	56	2	0	29.2 ± 5.9 (35.1 - 23.3)
2 - 3	68	14	5	0	23.0 ± 5.5 (28.4 - 17.5)
3 - 4	49	7	0	0	19.7 ± 5.2 (24.9 - 14.5)
4 - 5	42	5	1	0	17.3 ± 5.0 (22.3 - 12.3)
5 -	36			36	
TOTAL	254	199	18	36	

Not resected

YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
0 - 1	15	12	2	0	14.3 ± 18.7 (33.0 - -4.4)
1 - 2	1	0	0	0	14.3 ± 18.7 (33.0 - -4.4)
2 - 3	1	0	0	0	14.3 ± 18.7 (33.0 - -4.4)
3 - 4	1	0	0	0	14.3 ± 18.7 (33.0 - -4.4)
4 - 5	1	0	0	0	14.3 ± 18.7 (33.0 - -4.4)
5 -	1			1	
TOTAL	15	12	2	1	

16-2 Macroscopic operative curability

Colon, female, adenocarcinoma

	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
Absolute curative resection	0 - 1 777	22	34	0	97.1 ± 1.2	(98.3 - 95.9)
	1 - 2 721	35	26	0	92.3 ± 2.0	(94.3 - 90.3)
	2 - 3 660	29	18	0	88.2 ± 2.4	(90.6 - 85.8)
	3 - 4 613	24	15	0	84.7 ± 2.7	(87.4 - 82.0)
	4 - 5 574	25	37	0	80.9 ± 3.0	(83.0 - 77.9)
	5 - 512			512		
	TOTAL 777	135	130	512		
Relative curative resection	0 - 1 126	5	11	0	95.9 ± 3.6	(99.5 - 92.2)
	1 - 2 110	9	4	0	87.9 ± 6.1	(94.0 - 81.8)
	2 - 3 97	7	4	0	81.4 ± 7.3	(88.7 - 74.0)
	3 - 4 86	2	1	0	79.5 ± 7.7	(87.1 - 71.8)
	4 - 5 83	4	6	0	75.5 ± 8.2	(83.8 - 67.3)
	5 - 73			73		
	TOTAL 126	27	26	73		
Relative non-curative resection	0 - 1 52	2	3	0	96.0 ± 5.5	(101.5 - 90.6)
	1 - 2 47	14	1	0	67.1 ± 13.5	(80.6 - 53.6)
	2 - 3 32	9	0	0	48.2 ± 14.4	(62.7 - 33.8)
	3 - 4 23	3	1	0	41.8 ± 14.3	(56.1 - 27.5)
	4 - 5 19	1	1	0	39.6 ± 14.2	(53.8 - 25.4)
	5 - 17			17		
	TOTAL 52	29	6	17		
Absolute non-curative resection	0 - 1 221	95	19	0	55.1 ± 6.8	(61.9 - 48.2)
	1 - 2 107	46	4	0	31.0 ± 6.6	(37.5 - 24.4)
	2 - 3 57	20	1	0	20.0 ± 5.8	(25.8 - 14.2)
	3 - 4 36	9	0	0	15.0 ± 5.2	(20.2 - 9.8)
	4 - 5 27	4	1	0	12.7 ± 4.9	(17.6 - 7.8)
	5 - 22			22		
	TOTAL 221	174	25	22		
Not resected	0 - 1 23	17	2	0	22.7 ± 17.9	(40.6 - 4.9)
	1 - 2 4	2	1	0	9.7 ± 14.3	(24.0 - -4.5)
	2 - 3 1	0	0	0	9.7 ± 14.3	(24.0 - -4.5)
	3 - 4 1	0	0	0	9.7 ± 14.3	(24.0 - -4.5)
	4 - 5 1	0	0	0	9.7 ± 14.3	(24.0 - -4.5)
	5 - 1			1		
	TOTAL 23	19	3	1		

16-3 Macroscopic operative curability

Rectum, male, adenocarcinoma

Absolute
curative
resection

YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLOW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
0 - 1	892	52	27	0	94.7 ± 1.4 (96.1 - 93.3)
1 - 2	913	48	13	0	89.7 ± 2.0 (91.6 - 87.7)
2 - 3	852	57	18	0	83.6 ± 2.4 (86.0 - 81.2)
3 - 4	777	44	24	0	78.8 ± 2.7 (81.5 - 76.1)
4 - 5	709	44	24	0	73.8 ± 2.9 (76.7 - 70.9)
5 -	641			641	
TOTAL	992	245	106	641	

Relative
curative
resection

YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLOW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
0 - 1	136	18	5	0	85.8 ± 6.0 (91.8 - 79.7)
1 - 2	112	14	4	0	74.9 ± 7.6 (82.4 - 67.3)
2 - 3	94	13	3	0	64.3 ± 8.5 (72.8 - 55.9)
3 - 4	78	4	4	0	60.9 ± 8.7 (69.6 - 52.3)
4 - 5	70	0	7	0	60.9 ± 8.7 (69.6 - 52.3)
5 -	63			63	
TOTAL	136	50	23	63	

Relative
non-curative
resection

YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLOW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
0 - 1	63	9	2	0	85.5 ± 8.9 (94.4 - 76.5)
1 - 2	52	18	2	0	53.6 ± 12.9 (66.5 - 40.8)
2 - 3	31	6	0	0	43.3 ± 12.9 (56.1 - 30.4)
3 - 4	25	3	1	0	38.0 ± 12.7 (50.6 - 25.3)
4 - 5	21	2	0	0	34.3 ± 12.4 (46.8 - 21.9)
5 -	19			19	
TOTAL	63	39	5	19	

Absolute
non-curative
resection

YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLOW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
0 - 1	205	76	10	0	62.0 ± 6.9 (68.9 - 55.1)
1 - 2	119	61	4	0	29.7 ± 6.6 (36.3 - 23.1)
2 - 3	54	18	4	0	19.4 ± 5.8 (25.2 - 13.6)
3 - 4	32	10	1	0	13.2 ± 5.1 (18.4 - 8.1)
4 - 5	21	5	1	0	10.0 ± 4.6 (14.6 - 5.4)
5 -	15			15	
TOTAL	205	170	20	15	

Not resected

YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLOW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
0 - 1	27	18	3	0	29.4 ± 18.0 (47.5 - 11.4)
1 - 2	6	3	1	0	13.4 ± 14.9 (28.3 - -1.6)
2 - 3	2	0	0	0	13.4 ± 14.9 (28.3 - -1.6)
3 - 4	2	0	0	0	13.4 ± 14.9 (28.3 - -1.6)
4 - 5	2	0	0	0	13.4 ± 14.9 (28.3 - -1.6)
5 -	2			2	
TOTAL	27	21	4	2	

16-4 Macroscopic operative curability

Rectum, female, adenocarcinoma

	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
Absolute curative resection	0 - 1 626	18	18	0	97.1 ± 1.4	(98.4 - 95.7)
	1 - 2 590	22	8	0	93.4 ± 2.0	(95.4 - 91.4)
	2 - 3 560	26	12	0	89.1 ± 2.5	(91.6 - 86.5)
	3 - 4 522	26	13	0	84.6 ± 3.0	(87.5 - 81.6)
	4 - 5 483	13	27	0	82.2 ± 3.2	(85.4 - 79.1)
	5 - 443			443		
	TOTAL 626	105	78	443		
Relative curative resection	0 - 1 88	10	4	0	88.4 ± 6.9	(95.3 - 81.5)
	1 - 2 74	6	2	0	81.1 ± 8.5	(89.6 - 72.6)
	2 - 3 66	7	3	0	72.3 ± 9.9	(82.2 - 62.5)
	3 - 4 56	1	2	0	71.0 ± 10.0	(81.0 - 61.0)
	4 - 5 53	4	3	0	65.5 ± 10.7	(76.1 - 54.8)
	5 - 46			46		
	TOTAL 88	28	14	46		
Relative non-curative resection	0 - 1 31	7	2	0	76.7 ± 15.4	(92.1 - 61.2)
	1 - 2 22	4	0	0	62.7 ± 17.9	(80.6 - 44.9)
	2 - 3 18	4	0	0	48.8 ± 18.5	(67.3 - 30.2)
	3 - 4 14	0	1	0	48.8 ± 18.5	(67.3 - 30.2)
	4 - 5 13	1	0	0	45.0 ± 18.6	(63.6 - 26.5)
	5 - 12			12		
	TOTAL 31	16	3	12		
Absolute non-curative resection	0 - 1 104	40	7	0	60.2 ± 9.8	(70.0 - 50.4)
	1 - 2 57	25	2	0	33.3 ± 9.7	(43.0 - 23.7)
	2 - 3 30	11	1	0	20.9 ± 8.5	(29.4 - 12.4)
	3 - 4 18	6	0	0	13.9 ± 7.3	(21.2 - 6.6)
	4 - 5 12	0	0	0	13.9 ± 7.3	(21.2 - 6.6)
	5 - 12			12		
	TOTAL 104	82	10	12		
Not resected	0 - 1 18	9	2	0	47.1 ± 24.2	(71.3 - 22.8)
	1 - 2 7	5	0	0	13.4 ± 17.5	(30.9 - 4.1)
	2 - 3 2	1	0	0	6.7 ± 12.9	(19.6 - 6.2)
	3 - 4 1	1	0	0	0.0 ± 0.0	(0.0 - 0.0)
	4 - 5 0	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	5 - 0			0		
	TOTAL 18	16	2	0		

16-5 Histological operative curability

Colon, male, adenocarcinoma

	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
Absolute curative resection	0 - 1 1,068	34	54	0	96.7 ± 1.1	(97.8 - 95.6)
	1 - 2 980	35	22	0	93.2 ± 1.6	(94.8 - 91.7)
	2 - 3 923	50	32	0	88.1 ± 2.1	(90.2 - 86.0)
	3 - 4 841	40	32	0	83.8 ± 2.4	(86.2 - 81.5)
	4 - 5 769	40	48	0	79.3 ± 2.6	(82.0 - 76.7)
	5 - 681			681		
	TOTAL 1,068	199	188	681		
Relative curative resection	0 - 1 83	8	2	0	90.2 ± 6.6	(96.8 - 83.7)
	1 - 2 73	13	1	0	74.1 ± 9.7	(83.8 - 64.3)
	2 - 3 59	5	3	0	67.6 ± 10.5	(78.1 - 57.2)
	3 - 4 51	4	5	0	62.0 ± 11.0	(73.0 - 51.1)
	4 - 5 42	3	6	0	57.3 ± 11.4	(68.7 - 45.8)
	5 - 33			33		
	TOTAL 83	33	17	33		
Relative non-curative resection	0 - 1 77	10	1	0	86.9 ± 7.7	(94.6 - 79.2)
	1 - 2 66	12	4	0	70.6 ± 10.5	(81.2 - 60.1)
	2 - 3 50	10	0	0	56.5 ± 11.6	(68.1 - 44.9)
	3 - 4 40	10	3	0	41.8 ± 11.7	(53.6 - 30.1)
	4 - 5 27	4	3	0	35.3 ± 11.6	(46.9 - 23.7)
	5 - 20			20		
	TOTAL 77	46	11	20		
Absolute non-curative resection	0 - 1 241	121	12	0	48.5 ± 6.5	(55.0 - 42.0)
	1 - 2 108	57	2	0	22.7 ± 5.6	(28.3 - 17.1)
	2 - 3 49	13	4	0	16.4 ± 5.0	(21.4 - 11.4)
	3 - 4 32	9	0	0	11.8 ± 4.4	(16.2 - 7.3)
	4 - 5 23	4	0	0	9.7 ± 4.1	(13.9 - 5.6)
	5 - 19			19		
	TOTAL 241	204	18	18		
Not resected	0 - 1 18	12	2	0	29.4 ± 22.1	(51.5 - 7.3)
	1 - 2 4	0	0	0	29.4 ± 22.1	(51.5 - 7.3)
	2 - 3 4	1	0	0	22.1 ± 20.9	(43.0 - 1.2)
	3 - 4 3	0	0	0	22.1 ± 20.9	(43.0 - 1.2)
	4 - 5 3	0	2	0	22.1 ± 20.9	(43.0 - 1.2)
	5 - 1			1		
	TOTAL 18	13	4	1		

16-6 Histological operative curability

Colon, female, adenocarcinoma

Absolute curative resection	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR	
	0 - 1	835	23	35	0	97.2 ± 1.2	(98.3 - 96.0)
	1 - 2	777	34	26	0	92.9 ± 1.8	(94.7 - 91.0)
	2 - 3	717	31	20	0	88.8 ± 2.3	(91.0 - 86.5)
	3 - 4	666	25	14	0	85.4 ± 2.5	(88.0 - 82.9)
	4 - 5	627	28	39	0	81.5 ± 2.8	(84.3 - 78.7)
	5 -	560			560		
	TOTAL	835	141	134	560		

Relative curative resection	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	69	3	5	95.5 ± 5.1	(100.6 - 90.4)
	1 - 2	61	10	3	79.4 ± 10.2	(89.6 - 69.3)
	2 - 3	48	7	2	67.6 ± 12.0	(79.6 - 55.6)
	3 - 4	39	2	1	64.1 ± 12.3	(76.4 - 51.8)
	4 - 5	36	0	3	64.1 ± 12.3	(76.4 - 51.8)
	5 -	33			33	
	TOTAL	69	22	14	33	

Relative non-curative resection	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	55	3	6	94.2 ± 6.5	(100.7 - 87.8)
	1 - 2	46	14	0	65.6 ± 13.6	(79.1 - 52.0)
	2 - 3	32	5	0	55.3 ± 14.2	(69.5 - 41.1)
	3 - 4	27	4	1	47.0 ± 14.3	(61.3 - 32.7)
	4 - 5	22	2	1	42.6 ± 14.2	(56.8 - 28.3)
	5 -	19		19		
	TOTAL	55	28	8	19	

Absolute non-curative resection	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	210	96	18	52.1 ± 7.1	(59.2 - 45.1)
	1 - 2	95	45	4	26.9 ± 6.5	(33.4 - 20.4)
	2 - 3	46	22	1	13.9 ± 5.2	(19.1 - 8.7)
	3 - 4	23	7	1	9.6 ± 4.5	(14.1 - 5.1)
	4 - 5	15	3	2	7.5 ± 4.1	(11.6 - 3.4)
	5 -	10		10		
	TOTAL	210	173	27	10	

Not resected	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	24	16	2	30.4 ± 19.2	(49.6 - 11.2)
	1 - 2	6	3	1	13.8 ± 15.6	(29.4 - -1.8)
	2 - 3	2	0	0	13.8 ± 15.6	(29.4 - -1.8)
	3 - 4	2	0	0	13.8 ± 15.6	(29.4 - -1.8)
	4 - 5	2	0	0	13.8 ± 15.6	(29.4 - -1.8)
	5 -	2		2		
	TOTAL	24	19	3	2	

16-7 Histological operative curability

Rectum, male, adenocarcinoma

	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
Absolute curative resection	0 - 1 1,007	56	30	0	94.4 ± 1.5	(95.8 - 92.9)
	1 - 2 921	42	13	0	90.0 ± 1.9	(91.9 - 88.1)
	2 - 3 866	56	19	0	84.1 ± 2.3	(86.5 - 81.8)
	3 - 4 791	43	26	0	79.5 ± 2.6	(82.1 - 76.9)
	4 - 5 722	42	24	0	74.8 ± 2.8	(77.6 - 72.0)
	5 - 656			656		
	TOTAL 1,007	239	112	656		
Relative curative resection	0 - 1 127	18	3	0	85.7 ± 6.3	(91.9 - 79.4)
	1 - 2 106	18	2	0	71.0 ± 8.2	(79.1 - 62.8)
	2 - 3 86	11	3	0	61.7 ± 8.8	(70.5 - 52.9)
	3 - 4 72	7	2	0	55.6 ± 9.1	(64.7 - 46.6)
	4 - 5 63	2	7	0	53.8 ± 9.1	(62.9 - 44.7)
	5 - 54			54		
	TOTAL 127	56	17	54		
Relative non-curative resection	0 - 1 57	10	2	0	82.1 ± 10.2	(92.4 - 71.9)
	1 - 2 45	18	2	0	48.5 ± 13.6	(62.1 - 34.9)
	2 - 3 25	5	0	0	38.8 ± 13.4	(52.2 - 25.5)
	3 - 4 20	3	0	0	33.0 ± 12.9	(45.9 - 20.1)
	4 - 5 17	1	0	0	31.1 ± 12.8	(43.8 - 18.3)
	5 - 16			16		
	TOTAL 57	37	4	16		
Absolute non-curative resection	0 - 1 215	73	11	0	65.2 ± 6.6	(71.7 - 58.6)
	1 - 2 131	65	6	0	32.1 ± 6.6	(38.7 - 25.5)
	2 - 3 60	24	3	0	18.9 ± 5.7	(24.6 - 13.2)
	3 - 4 33	8	1	0	14.3 ± 5.1	(19.4 - 9.1)
	4 - 5 24	7	2	0	9.8 ± 4.5	(14.4 - 5.4)
	5 - 15			15		
	TOTAL 215	177	23	15		
Not resected	0 - 1 26	17	2	0	32.0 ± 18.7	(50.7 - 13.3)
	1 - 2 7	3	1	0	17.2 ± 16.0	(33.3 - 1.2)
	2 - 3 3	0	0	0	17.2 ± 16.0	(33.3 - 1.2)
	3 - 4 3	0	1	0	17.2 ± 16.0	(33.3 - 1.2)
	4 - 5 2	0	0	0	17.2 ± 16.0	(33.3 - 1.2)
	5 - 2			2		
	TOTAL 26	20	4	2		

16-8 Histological operative curability

Rectum, female, adenocarcinoma

	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
Absolute curative resection	0 - 1 633	19	21	0	96.9 ± 1.4	(98.3 - 95.6)
	1 - 2 593	20	8	0	93.7 ± 2.0	(95.6 - 91.7)
	2 - 3 565	28	13	0	89.0 ± 2.5	(91.5 - 86.4)
	3 - 4 524	26	14	0	84.5 ± 3.0	(87.4 - 81.5)
	4 - 5 484	13	28	0	82.1 ± 3.2	(85.3 - 79.0)
	5 - 443			443		
	TOTAL 633	106	84	443		
Relative curative resection	0 - 1 70	4	2	0	94.2 ± 5.6	(99.8 - 88.6)
	1 - 2 64	9	2	0	80.7 ± 9.6	(90.4 - 71.1)
	2 - 3 53	4	3	0	74.5 ± 10.7	(85.2 - 63.8)
	3 - 4 46	1	0	0	72.9 ± 11.0	(83.8 - 61.9)
	4 - 5 45	2	2	0	69.5 ± 11.4	(81.0 - 58.1)
	5 - 41			41		
	TOTAL 70	20	9	41		
Relative non-curative resection	0 - 1 33	7	1	0	78.5 ± 14.4	(92.9 - 64.0)
	1 - 2 25	5	0	0	62.8 ± 17.1	(79.8 - 45.7)
	2 - 3 20	4	0	0	50.2 ± 17.7	(67.9 - 32.5)
	3 - 4 16	0	1	0	50.2 ± 17.7	(67.9 - 32.5)
	4 - 5 15	2	0	0	43.5 ± 17.7	(61.2 - 25.9)
	5 - 13			13		
	TOTAL 33	18	2	13		
Absolute non-curative resection	0 - 1 116	43	8	0	61.6 ± 9.2	(70.8 - 52.4)
	1 - 2 65	24	2	0	38.5 ± 9.4	(47.9 - 29.1)
	2 - 3 39	12	1	0	26.5 ± 8.7	(35.2 - 17.8)
	3 - 4 26	6	1	0	20.3 ± 8.0	(28.2 - 12.3)
	4 - 5 19	2	0	0	18.1 ± 7.7	(25.8 - 10.4)
	5 - 17			17		
	TOTAL 116	87	12	17		
Not resected	0 - 1 19	10	2	0	44.4 ± 23.4	(67.9 - 21.0)
	1 - 2 7	5	0	0	12.7 ± 16.6	(29.3 - 3.9)
	2 - 3 2	1	0	0	6.3 ± 12.2	(18.6 - 5.9)
	3 - 4 1	1	0	0	0.0 ± 0.0	(0.0 - 0.0)
	4 - 5 0	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	5 - 0			0		
	TOTAL 19	17	2	0		

17-1 Hepatic metastasis

Colon, adenocarcinoma

H0	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLOW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	2,335	151	118	0	93.4 ± 1.0 (94.4 - 92.3)
	1 - 2	2,066	142	61	0	86.9 ± 1.4 (88.3 - 85.4)
	2 - 3	1,863	122	59	0	81.1 ± 1.7 (82.7 - 79.4)
	3 - 4	1,682	86	55	0	76.9 ± 1.8 (78.7 - 75.0)
	4 - 5	1,541	82	102	0	72.6 ± 1.9 (74.6 - 70.7)
	5 -	1,357			1,357	
	TOTAL	2,335	583	395	1,357	

H1	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLOW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	116	31	3	0	72.9 ± 8.3 (81.2 - 64.6)
	1 - 2	82	29	3	0	46.7 ± 9.4 (56.1 - 37.2)
	2 - 3	50	9	1	0	38.2 ± 9.3 (47.4 - 28.9)
	3 - 4	40	9	2	0	29.4 ± 8.8 (38.2 - 20.6)
	4 - 5	29	2	3	0	27.2 ± 8.7 (35.9 - 18.6)
	5 -	24			24	
	TOTAL	116	80	12	24	

H2	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLOW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	73	22	8	0	68.1 ± 11.2 (79.3 - 56.9)
	1 - 2	43	25	1	0	28.0 ± 11.3 (39.3 - 16.8)
	2 - 3	17	6	1	0	17.8 ± 9.8 (27.6 - 8.1)
	3 - 4	10	6	0	0	7.1 ± 6.8 (13.9 - 0.4)
	4 - 5	4	2	0	0	3.6 ± 4.9 (8.5 - -1.4)
	5 -	2			2	
	TOTAL	73	61	10	2	

H3	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLOW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	169	116	11	0	29.1 ± 7.1 (36.2 - 22.0)
	1 - 2	42	28	0	0	9.7 ± 4.8 (14.5 - 4.8)
	2 - 3	14	9	1	0	3.2 ± 3.0 (6.2 - 0.3)
	3 - 4	4	1	0	0	2.4 ± 2.6 (5.0 - -0.2)
	4 - 5	3	0	0	0	2.4 ± 2.6 (5.0 - -0.2)
	5 -	3			3	
	TOTAL	169	154	12	3	

17-2 Hepatic metastasis

Rectum, adenocarcinoma

H0

YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
0 - 1	2,038	157	63	0	92.2 ± 1.2 (93.4 - 91.0)
1 - 2	1,818	141	31	0	85.0 ± 1.6 (86.6 - 83.4)
2 - 3	1,646	131	39	0	78.1 ± 1.9 (80.0 - 76.3)
3 - 4	1,476	87	45	0	73.4 ± 2.0 (75.5 - 71.4)
4 - 5	1,344	66	61	0	69.8 ± 2.1 (71.9 - 67.7)
5 -	1,217			1,217	
TOTAL	2,038	582	239	1,217	

H1

YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
0 - 1	73	20	3	0	72.0 ± 10.6 (82.6 - 61.4)
1 - 2	50	21	3	0	40.8 ± 11.9 (52.7 - 29.0)
2 - 3	26	5	2	0	32.7 ± 11.5 (44.2 - 21.1)
3 - 4	19	4	1	0	25.6 ± 11.0 (36.6 - 14.6)
4 - 5	14	0	0	0	25.6 ± 11.0 (36.6 - 14.6)
5 -	14			14	
TOTAL	73	50	9	14	

H2

YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
0 - 1	51	19	0	0	62.7 ± 13.5 (76.3 - 49.2)
1 - 2	32	20	0	0	23.5 ± 11.9 (35.4 - 11.6)
2 - 3	12	5	0	0	13.7 ± 9.6 (23.4 - 4.1)
3 - 4	7	2	0	0	9.8 ± 8.3 (18.1 - 1.5)
4 - 5	5	1	0	0	7.8 ± 7.5 (15.4 - 0.3)
5 -	4			4	
TOTAL	51	47	0	4	

H3

YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
0 - 1	102	54	13	0	43.5 ± 10.1 (53.6 - 33.3)
1 - 2	35	25	1	0	12.0 ± 7.2 (19.1 - 4.8)
2 - 3	9	2	1	0	9.2 ± 6.5 (15.6 - 2.7)
3 - 4	6	2	0	0	6.1 ± 5.6 (11.7 - 0.5)
4 - 5	4	4	0	0	0.0 ± 0.0 (0.0 - 0.0)
5 -	0			0	
TOTAL	102	87	15	0	

18-1 Peritoneal disseminating metastasis

Colon, adenocarcinoma

P0	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLOW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	2,500	228	130	0	90.6 ± 1.2 (91.8 - 89.5)
	1 - 2	2,142	183	60	0	82.8 ± 1.5 (84.3 - 81.2)
	2 - 3	1,899	127	59	0	77.2 ± 1.7 (78.9 - 75.4)
	3 - 4	1,713	94	56	0	72.9 ± 1.9 (74.7 - 71.0)
	4 - 5	1,563	85	103	0	68.8 ± 1.9 (70.7 - 66.8)
	5 -	1,375			1,375	
	TOTAL	2,500	717	408	1,375	

P1	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLOW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	69	22	5	0	66.9 ± 11.5 (78.5 - 55.4)
	1 - 2	42	17	1	0	39.5 ± 12.3 (51.8 - 27.2)
	2 - 3	24	10	0	0	23.0 ± 10.7 (33.7 - 12.3)
	3 - 4	14	5	1	0	14.5 ± 9.1 (23.6 - 5.4)
	4 - 5	8	0	0	0	14.5 ± 9.1 (23.6 - 5.4)
	5 -	8			8	
	TOTAL	69	54	7	8	

P2	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLOW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	63	33	2	0	46.8 ± 12.7 (59.4 - 34.1)
	1 - 2	28	14	3	0	22.1 ± 10.9 (32.9 - 11.2)
	2 - 3	11	4	2	0	13.2 ± 9.4 (22.7 - 3.8)
	3 - 4	5	2	0	0	7.9 ± 8.1 (16.1 - -0.2)
	4 - 5	3	1	1	0	4.8 ± 6.9 (11.7 - -2.2)
	5 -	1			1	
	TOTAL	63	54	8	1	

P3	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLOW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	66	40	2	0	38.5 ± 12.1 (50.5 - 26.4)
	1 - 2	24	11	2	0	20.1 ± 10.2 (30.3 - 9.9)
	2 - 3	11	5	0	0	10.9 ± 8.2 (19.1 - 2.7)
	3 - 4	6	1	0	0	9.1 ± 7.6 (16.7 - 1.5)
	4 - 5	5	0	1	0	9.1 ± 7.6 (16.7 - 1.5)
	5 -	4			4	
	TOTAL	66	57	5	4	

18-2 Peritoneal disseminating metastasis

Rectum, adenocarcinoma

P0	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	2,172	209	73	90.2 ± 1.3	(91.5 - 88.9)
	1 - 2	1,890	189	32	81.1 ± 1.7	(82.8 - 79.4)
	2 - 3	1,669	137	42	74.4 ± 1.9	(76.3 - 72.5)
	3 - 4	1,490	95	45	69.6 ± 2.0	(71.6 - 67.5)
	4 - 5	1,350	70	60	65.9 ± 2.1	(68.0 - 63.8)
	5 -	1,220			1,220	
	TOTAL	2,172	700	252	1,220	

P1	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	50	17	3	64.9 ± 13.7	(78.7 - 51.2)
	1 - 2	30	14	2	33.6 ± 14.0	(47.6 - 19.6)
	2 - 3	14	6	0	19.2 ± 12.0	(31.1 - 7.2)
	3 - 4	8	0	1	19.2 ± 12.0	(31.1 - 7.2)
	4 - 5	7	2	0	13.7 ± 10.8	(24.5 - 2.9)
	5 -	5			5	
	TOTAL	50	39	6	5	

P2	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	14	10	2	23.1 ± 23.4	(46.4 - -0.3)
	1 - 2	2	1	0	11.5 ± 20.1	(31.6 - -8.5)
	2 - 3	1	0	0	11.5 ± 20.1	(31.6 - -8.5)
	3 - 4	1	0	0	11.5 ± 20.1	(31.6 - -8.5)
	4 - 5	1	0	0	11.5 ± 20.1	(31.6 - -8.5)
	5 -	1		1		
	TOTAL	14	11	2	1	

P3	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	17	12	0	29.4 ± 22.1	(51.5 - 7.3)
	1 - 2	5	3	0	11.8 ± 15.6	(27.4 - -3.9)
	2 - 3	2	2	0	0.0 ± 0.0	(0.0 - 0.0)
	3 - 4	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	4 - 5	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	5 -	0		0		
	TOTAL	17	17	0	0	

19-1 Metastasis to remote organs

Colon, adenocarcinoma

Colon, M(-)	YEAR OF OBSERVAT	ALIVE AT BEGINNING	DIED IN INTERVAL	LOST TO FOLLOW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	2,612	287	137	0	88.7 ± 1.3	(90.0 - 87.5)
	1 - 2	2,188	200	66	0	80.5 ± 1.6	(82.1 - 78.9)
	2 - 3	1,922	140.	61	0	74.5 ± 1.8	(76.3 - 72.8)
	3 - 4	1,721	98	57	0	70.2 ± 1.9	(72.0 - 68.3)
	4 - 5	1,565	85	104	0	66.2 ± 1.9	(68.2 - 64.3)
	5 -	1,376			1,376		
	TOTAL	2,612	811	425	1,376		

Colon, M(+)	YEAR OF OBSERVAT	ALIVE AT BEGINNING	DIED IN INTERVAL	LOST TO FOLLOW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	65	29	2	0	54.7 ± 12.4	(67.1 - 42.2)
	1 - 2	34	18	0	0	25.7 ± 11.0	(36.8 - 14.7)
	2 - 3	16	3	0	0	20.8 ± 10.3	(31.2 - 10.6)
	3 - 4	13	2	0	0	17.7 ± 9.7	(27.3 - 8.0)
	4 - 5	11	1	1	0	16.0 ± 9.3	(25.3 - 6.7)
	5 -	9			9		
	TOTAL	65	53	3	9		

19-2 Metastasis to remote organs

Rectum, adenocarcinoma

Rectum, M(-)		YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
		0 - 1	2,205	222	78	0	89.8 ± 1.3 (91.1 - 88.4)
		1 - 2	1,905	188	33	0	80.8 ± 1.7 (82.5 - 79.1)
		2 - 3	1,684	138	40	0	74.1 ± 1.9 (76.0 - 72.2)
		3 - 4	1,506	89	45	0	69.7 ± 2.0 (71.7 - 67.7)
		4 - 5	1,372	72	61	0	65.9 ± 2.1 (68.0 - 63.8)
		5 -	1,239			1,239	
	TOTAL		2,205	709	257	1,239	

Rectum, M(+)		YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
		0 - 1	72	30	2	0	57.7 ± 11.7 (69.5 - 46.0)
		1 - 2	40	17	1	0	32.9 ± 11.3 (44.2 - 21.6)
		2 - 3	22	7	1	0	22.2 ± 10.1 (32.3 - 12.1)
		3 - 4	14	6	1	0	12.3 ± 8.2 (20.5 - 4.1)
		4 - 5	7	0	0	0	12.3 ± 8.2 (20.5 - 4.1)
		5 -	7			7	
	TOTAL		72	60	5	7	

20-1 Macroscopic lymph node metastasis

Colon, adenocarcinoma

N0

YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
0 - 1	979	51	55	0	94.6 ± 1.5 (96.1 - 93.2)
1 - 2	873	35	25	0	90.8 ± 1.9 (92.7 - 88.9)
2 - 3	813	30	27	0	87.4 ± 2.2 (89.6 - 85.2)
3 - 4	756	25	16	0	84.5 ± 2.4 (86.9 - 82.1)
4 - 5	715	27	42	0	81.2 ± 2.6 (83.8 - 78.5)
5 -	646			646	
TOTAL	979	168	165	646	

N1

YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
0 - 1	800	64	41	0	91.8 ± 2.0 (93.8 - 89.8)
1 - 2	695	64	16	0	83.2 ± 2.7 (85.9 - 80.5)
2 - 3	615	45	20	0	77.0 ± 3.1 (80.1 - 74.0)
3 - 4	550	37	28	0	71.7 ± 3.3 (75.0 - 68.4)
4 - 5	485	30	34	0	67.1 ± 3.5 (70.6 - 63.6)
5 -	421			421	
TOTAL	800	240	139	421	

N2

YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
0 - 1	573	74	25	0	86.8 ± 2.9 (89.7 - 83.9)
1 - 2	474	67	18	0	74.3 ± 3.7 (78.0 - 70.6)
2 - 3	388	51	8	0	64.5 ± 4.1 (68.6 - 60.3)
3 - 4	330	28	11	0	58.9 ± 4.3 (63.2 - 54.6)
4 - 5	291	22	24	0	54.2 ± 4.4 (58.6 - 49.9)
5 -	245			245	
TOTAL	573	242	86	245	

N3

YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
0 - 1	172	43	7	0	74.5 ± 6.7 (81.2 - 67.8)
1 - 2	122	27	3	0	57.8 ± 7.7 (65.5 - 50.1)
2 - 3	82	11	6	0	50.6 ± 7.9 (58.5 - 42.8)
3 - 4	75	11	1	0	43.2 ± 7.9 (51.1 - 35.3)
4 - 5	63	3	4	0	41.0 ± 7.9 (48.9 - 33.2)
5 -	56			56	
TOTAL	172	95	21	56	

N4

YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
0 - 1	125	67	5	0	45.3 ± 9.0 (54.3 - 36.3)
1 - 2	53	24	3	0	24.2 ± 7.9 (32.1 - 16.3)
2 - 3	26	6	0	0	18.6 ± 7.3 (25.9 - 11.3)
3 - 4	20	1	0	0	17.7 ± 7.2 (24.8 - 10.5)
4 - 5	19	2	1	0	15.8 ± 6.9 (22.6 - 8.9)
5 -	16			16	
TOTAL	125	100	9	16	

20-2 Macroscopic lymph node metastasis

Rectum, adenocarcinoma

N0

YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
0 - 1	994	51	31	94.8 ± 1.4	(96.2 - 93.4)
1 - 2	912	39	15	90.7 ± 1.9	(92.6 - 88.8)
2 - 3	858	32	23	87.3 ± 2.2	(89.4 - 85.1)
3 - 4	803	33	27	83.6 ± 2.4	(86.0 - 81.2)
4 - 5	743	30	36	80.2 ± 2.6	(82.8 - 77.5)
5 -	677		677		
TOTAL	994	185	132	677	

N1

YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
0 - 1	680	55	24	91.8 ± 2.1	(93.9 - 89.6)
1 - 2	601	65	8	81.8 ± 3.0	(84.8 - 78.8)
2 - 3	528	46	13	74.6 ± 3.4	(78.0 - 71.1)
3 - 4	469	35	13	68.9 ± 3.7	(72.6 - 65.3)
4 - 5	421	24	18	64.9 ± 3.8	(68.7 - 61.1)
5 -	379		379		
TOTAL	680	225	76	379	

N2

YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
0 - 1	360	65	6	81.8 ± 4.1	(85.9 - 77.7)
1 - 2	289	60	5	64.7 ± 5.1	(69.8 - 59.6)
2 - 3	224	47	5	50.9 ± 5.4	(56.3 - 45.6)
3 - 4	172	18	4	45.5 ± 5.4	(50.9 - 40.2)
4 - 5	150	14	4	41.2 ± 5.3	(46.6 - 35.9)
5 -	132		132		
TOTAL	360	204	24	132	

N3

YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
0 - 1	87	29	6	65.5 ± 10.4	(75.9 - 55.1)
1 - 2	52	15	2	46.2 ± 11.1	(57.3 - 35.1)
2 - 3	35	9	0	34.3 ± 10.7	(45.0 - 23.6)
3 - 4	26	2	2	31.6 ± 10.5	(42.1 - 21.1)
4 - 5	22	1	1	30.1 ± 10.4	(40.6 - 19.7)
5 -	20		20		
TOTAL	87	56	11	20	

N4

YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
0 - 1	82	34	5	57.2 ± 11.1	(68.3 - 46.1)
1 - 2	43	19	4	30.7 ± 10.7	(41.4 - 20.0)
2 - 3	20	9	1	16.5 ± 9.0	(25.6 - 7.5)
3 - 4	10	3	0	11.6 ± 7.9	(19.5 - 3.6)
4 - 5	7	1	0	9.9 ± 7.5	(17.4 - 2.5)
5 -	6		6		
TOTAL	82	66	10	6	

20-3 Histological lymph node metastasis

Colon, adenocarcinoma

n0	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	1,514	82	82	94.4 ± 1.2	(95.6 - 93.2)
	1 - 2	1,350	37	40	91.8 ± 1.4	(93.2 - 90.4)
	2 - 3	1,273	57	43	87.6 ± 1.7	(89.4 - 85.9)
	3 - 4	1,173	49	33	83.9 ± 2.0	(85.9 - 81.9)
	4 - 5	1,091	43	66	80.5 ± 2.1	(82.6 - 78.4)
	5 -	982		982		
	TOTAL	1,514	268	264	982	

n1	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	551	57	25	89.4 ± 2.7	(92.1 - 86.8)
	1 - 2	469	66	12	76.7 ± 3.7	(80.4 - 73.0)
	2 - 3	391	37	11	69.3 ± 4.1	(73.4 - 65.3)
	3 - 4	343	24	15	64.4 ± 4.2	(68.6 - 60.1)
	4 - 5	304	27	24	58.4 ± 4.4	(62.8 - 54.0)
	5 -	253		253		
	TOTAL	551	211	87	253	

n2	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	332	63	10	80.7 ± 4.4	(85.1 - 76.4)
	1 - 2	259	68	7	59.2 ± 5.5	(64.7 - 53.8)
	2 - 3	184	32	4	48.8 ± 5.6	(54.5 - 43.2)
	3 - 4	148	19	8	42.4 ± 5.6	(48.0 - 36.8)
	4 - 5	121	10	11	38.7 ± 5.6	(44.3 - 33.1)
	5 -	100		100		
	TOTAL	332	192	40	100	

n3	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	92	33	4	63.3 ± 10.2	(73.5 - 53.2)
	1 - 2	55	22	2	37.5 ± 10.4	(47.9 - 27.1)
	2 - 3	31	9	2	26.3 ± 9.6	(35.9 - 16.7)
	3 - 4	20	6	0	18.4 ± 8.6	(27.0 - 9.8)
	4 - 5	14	1	1	17.0 ± 8.4	(25.4 - 8.6)
	5 -	12		12		
	TOTAL	92	71	9	12	

n4	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	67	27	4	58.5 ± 12.2	(70.7 - 46.2)
	1 - 2	36	18	1	28.8 ± 11.5	(40.3 - 17.3)
	2 - 3	17	5	0	20.3 ± 10.3	(30.7 - 10.0)
	3 - 4	12	1	1	18.6 ± 10.0	(28.6 - 8.6)
	4 - 5	10	2	1	14.7 ± 9.3	(24.0 - 5.4)
	5 -	7		7		
	TOTAL	67	53	7	7	

20-4 Histological lymph node metastasis

Rectum, adenocarcinoma

n0	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	1,214	62	45	0	94.8 ± 1.3 (96.1 - 93.5)
	1 - 2	1,107	44	21	0	91.0 ± 1.7 (92.7 - 89.3)
	2 - 3	1,042	43	23	0	87.2 ± 2.0 (89.2 - 85.2)
	3 - 4	976	36	32	0	83.9 ± 2.2 (86.1 - 81.8)
	4 - 5	908	35	41	0	80.6 ± 2.4 (83.0 - 78.3)
	5 -	832			832	
	TOTAL	1,214	220	162	832	

n1	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	508	52	13	0	89.6 ± 2.7 (92.4 - 86.9)
	1 - 2	443	59	3	0	77.7 ± 3.7 (81.4 - 73.9)
	2 - 3	381	44	12	0	68.5 ± 4.2 (72.7 - 64.4)
	3 - 4	325	32	8	0	61.7 ± 4.4 (66.1 - 57.3)
	4 - 5	285	19	11	0	57.5 ± 4.5 (62.0 - 53.0)
	5 -	255			255	
	TOTAL	508	206	47	255	

n2	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	288	52	3	0	81.8 ± 4.6 (86.4 - 77.3)
	1 - 2	233	52	4	0	63.4 ± 5.7 (69.1 - 57.7)
	2 - 3	177	35	5	0	50.7 ± 6.0 (56.7 - 44.7)
	3 - 4	137	20	5	0	43.2 ± 6.0 (49.1 - 37.2)
	4 - 5	112	12	5	0	38.4 ± 5.9 (44.3 - 32.5)
	5 -	95			95	
	TOTAL	288	171	22	95	

n3	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	86	26	6	0	68.7 ± 10.2 (78.9 - 58.5)
	1 - 2	54	19	0	0	44.5 ± 11.1 (55.6 - 33.4)
	2 - 3	35	15	0	0	25.4 ± 9.8 (35.2 - 15.7)
	3 - 4	20	1	1	0	24.1 ± 9.6 (33.8 - 14.5)
	4 - 5	18	4	0	0	18.8 ± 8.9 (27.6 - 9.9)
	5 -	14			14	
	TOTAL	86	65	7	14	

n4	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	51	17	1	0	66.3 ± 13.3 (79.6 - 53.0)
	1 - 2	33	15	2	0	35.2 ± 13.7 (48.9 - 21.6)
	2 - 3	16	7	0	0	19.8 ± 11.6 (31.5 - 8.2)
	3 - 4	9	4	0	0	11.0 ± 9.2 (20.2 - 1.8)
	4 - 5	5	0	0	0	11.0 ± 9.2 (20.2 - 1.8)
	5 -	5			5	
	TOTAL	51	43	3	5	

21-1 Histological depth of invasion

Colon, adenocarcinoma

	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
m	0 - 1 151	3	12	0	97.9 ± 2.4	(100.3 - 95.6)
	1 - 2 136	0	3	0	97.9 ± 2.4	(100.3 - 95.6)
	2 - 3 133	1	7	0	97.2 ± 2.8	(100.0 - 94.4)
	3 - 4 125	5	1	0	93.3 ± 4.3	(97.6 - 88.9)
	4 - 5 119	2	12	0	91.6 ± 4.9	(96.5 - 86.8)
	5 - 105			105		
	TOTAL 151	11	35	105		
sm	0 - 1 191	4	10	0	97.8 ± 2.1	(100.0 - 95.7)
	1 - 2 177	4	4	0	95.6 ± 3.0	(98.6 - 92.6)
	2 - 3 169	2	6	0	94.5 ± 3.4	(97.9 - 91.1)
	3 - 4 161	6	3	0	90.9 ± 4.3	(95.2 - 86.6)
	4 - 5 152	7	10	0	86.6 ± 5.2	(91.8 - 81.4)
	5 - 135			135		
	TOTAL 191	23	33	135		
pm	0 - 1 213	8	10	0	96.2 ± 2.7	(98.8 - 93.5)
	1 - 2 195	6	4	0	93.2 ± 3.5	(96.7 - 89.6)
	2 - 3 185	9	6	0	88.6 ± 4.5	(93.1 - 84.1)
	3 - 4 170	4	6	0	86.4 ± 4.9	(91.3 - 81.6)
	4 - 5 160	6	10	0	83.1 ± 5.4	(88.5 - 77.7)
	5 - 144			144		
	TOTAL 213	33	36	144		
ss/a1	0 - 1 1,100	84	48	0	92.2 ± 1.6	(93.8 - 90.6)
	1 - 2 968	70	35	0	85.4 ± 2.2	(87.6 - 83.2)
	2 - 3 863	62	28	0	79.2 ± 2.5	(81.7 - 76.6)
	3 - 4 773	38	28	0	75.2 ± 2.7	(77.9 - 72.5)
	4 - 5 707	38	41	0	71.0 ± 2.9	(73.9 - 68.2)
	5 - 628			628		
	TOTAL 1,100	292	180	628		
s/a2	0 - 1 798	132	49	0	82.9 ± 2.7	(85.6 - 80.2)
	1 - 2 617	116	13	0	67.2 ± 3.4	(70.6 - 63.8)
	2 - 3 488	56	11	0	59.4 ± 3.6	(63.0 - 55.8)
	3 - 4 421	37	17	0	54.1 ± 3.7	(57.7 - 50.4)
	4 - 5 367	26	28	0	50.1 ± 3.7	(53.8 - 46.3)
	5 - 313			313		
	TOTAL 798	367	118	313		
si/ai	0 - 1 212	68	9	0	67.2 ± 6.5	(73.7 - 60.7)
	1 - 2 135	27	5	0	53.5 ± 7.0	(60.5 - 46.5)
	2 - 3 103	15	3	0	45.6 ± 7.1	(52.7 - 38.6)
	3 - 4 85	12	2	0	39.1 ± 7.0	(46.1 - 32.1)
	4 - 5 71	7	4	0	35.1 ± 6.9	(42.0 - 28.2)
	5 - 60			60		
	TOTAL 212	129	23	60		

21-2 Histological depth of invasion

Rectum, adenocarcinoma

	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
m	0 - 1	150	2	5	98.6 ± 1.9	(100.5 - 96.7)
	1 - 2	143	5	1	95.2 ± 3.6	(98.7 - 91.6)
	2 - 3	137	1	2	94.5 ± 3.8	(98.3 - 90.7)
	3 - 4	134	2	7	93.0 ± 4.3	(97.3 - 88.8)
	4 - 5	125	0	5	93.0 ± 4.3	(97.3 - 88.8)
	5 -	120		120		
	TOTAL	150	10	20	120	
SM	0 - 1	177	8	8	95.4 ± 3.2	(98.6 - 92.2)
	1 - 2	160	1	6	94.8 ± 3.4	(98.2 - 91.4)
	2 - 3	153	3	6	92.9 ± 4.0	(96.8 - 88.9)
	3 - 4	144	3	4	90.9 ± 4.5	(95.4 - 86.4)
	4 - 5	137	2	7	89.5 ± 4.8	(94.4 - 84.7)
	5 -	128		128		
	TOTAL	177	17	32	128	
pm	0 - 1	437	17	13	96.1 ± 1.9	(97.9 - 94.2)
	1 - 2	407	10	5	93.7 ± 2.4	(96.0 - 91.3)
	2 - 3	392	11	9	91.0 ± 2.8	(93.8 - 88.2)
	3 - 4	372	13	8	87.8 ± 3.2	(91.0 - 84.6)
	4 - 5	351	15	13	84.0 ± 3.6	(87.6 - 80.4)
	5 -	323		323		
	TOTAL	437	66	48	323	
ss/a1	0 - 1	723	64	26	91.0 ± 2.1	(93.1 - 88.8)
	1 - 2	633	66	12	81.4 ± 2.9	(84.4 - 78.5)
	2 - 3	555	49	16	74.1 ± 3.3	(77.5 - 70.8)
	3 - 4	490	36	22	68.5 ± 3.6	(72.1 - 65.0)
	4 - 5	432	26	25	64.3 ± 3.7	(68.0 - 60.6)
	5 -	381		381		
	TOTAL	723	241	101	381	
s/a2	0 - 1	676	110	20	83.5 ± 2.9	(86.4 - 80.6)
	1 - 2	546	97	11	68.5 ± 3.6	(72.1 - 64.9)
	2 - 3	438	70	9	57.4 ± 3.9	(61.3 - 53.6)
	3 - 4	359	34	6	52.0 ± 3.9	(55.9 - 48.0)
	4 - 5	319	28	12	47.3 ± 4.0	(51.3 - 43.3)
	5 -	279		279		
	TOTAL	676	339	58	279	
si/ai	0 - 1	114	35	9	68.0 ± 8.9	(76.9 - 59.1)
	1 - 2	70	23	0	45.7 ± 9.7	(55.4 - 36.0)
	2 - 3	47	12	0	34.0 ± 9.3	(43.3 - 24.7)
	3 - 4	35	7	0	27.2 ± 8.7	(35.9 - 18.5)
	4 - 5	28	1	1	26.2 ± 8.6	(34.9 - 17.6)
	5 -	26		26		
	TOTAL	114	78	10	26	

22-1 Modality of principal treatment

Colon, adenocarcinoma

Endoscopic polypectomy

	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
0 - 1	145	1	18	0	99.3 ± 1.5	(100.7 - 97.8)
1 - 2	126	1	8	0	98.5 ± 2.2	(100.6 - 96.3)
2 - 3	117	2	12	0	96.7 ± 3.3	(100.0 - 93.4)
3 - 4	103	1	5	0	95.7 ± 3.8	(99.5 - 91.9)
4 - 5	87	1	5	0	94.7 ± 4.2	(98.9 - 90.5)
5 -	91			91		
TOTAL	145	6	48	91		

Surgery

	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
0 - 1	2,702	323	143	0	87.7 ± 1.3	(89.0 - 86.4)
1 - 2	2,236	224	65	0	78.8 ± 1.6	(80.4 - 77.2)
2 - 3	1,947	146	62	0	72.8 ± 1.8	(74.6 - 71.0)
3 - 4	1,739	102	58	0	68.5 ± 1.9	(70.3 - 66.6)
4 - 5	1,579	86	105	0	64.6 ± 1.9	(66.5 - 62.7)
5 -	1,388			1,388		
TOTAL	2,702	881	433	1,388		

Others (chemotherapy radiation etc.)

	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
0 - 1	6	4	0	0	33.3 ± 38.5	(71.8 - 5.2)
1 - 2	2	1	0	0	16.7 ± 30.4	(47.1 - 13.8)
2 - 3	1	0	0	0	16.7 ± 30.4	(47.1 - 13.8)
3 - 4	1	0	0	0	16.7 ± 30.4	(47.1 - 13.8)
4 - 5	1	0	0	0	16.7 ± 30.4	(47.1 - 13.8)
5 -	1			1		
TOTAL	6	5	0	1		

No treatment

	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
0 - 1	11	8	0	0	27.3 ± 26.9	(54.1 - 0.4)
1 - 2	3	0	1	0	27.3 ± 26.9	(54.1 - 0.4)
2 - 3	2	0	0	0	27.3 ± 26.9	(54.1 - 0.4)
3 - 4	2	0	0	0	27.3 ± 26.9	(54.1 - 0.4)
4 - 5	2	0	0	0	27.3 ± 26.9	(54.1 - 0.4)
5 -	2			2		
TOTAL	11	8	1	2		

22-2 Modality of principal treatment

Rectum, adenocarcinoma

Endoscopic polypectomy

YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
0 - 1	66	2	6	96.8 ± 4.4	(101.2 - 82.4)
1 - 2	58	1	5	95.1 ± 5.5	(100.6 - 89.5)
2 - 3	52	0	2	95.1 ± 5.5	(100.6 - 89.5)
3 - 4	50	0	10	95.1 ± 5.5	(100.6 - 89.5)
4 - 5	40	0	1	95.1 ± 5.5	(100.6 - 89.5)
5 -	39		39		
TOTAL	66	3	24	39	

Surgery

YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
0 - 1	2,308	255	82	88.8 ± 1.3	(90.1 - 87.4)
1 - 2	1,971	210	36	79.2 ± 1.7	(80.9 - 77.5)
2 - 3	1,725	147	42	72.4 ± 1.9	(74.3 - 70.5)
3 - 4	1,536	95	48	67.8 ± 2.0	(69.8 - 65.8)
4 - 5	1,393	71	63	64.3 ± 2.1	(66.4 - 62.2)
5 -	1,259		1,259		
TOTAL	2,308	778	271	1,259	

Others
(chemotherapy,
radiation etc.)

YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
0 - 1	8	3	1	60.0 ± 35.8	(95.8 - 24.2)
1 - 2	4	1	0	45.0 ± 37.3	(82.3 - 7.7)
2 - 3	3	0	0	45.0 ± 37.3	(82.3 - 7.7)
3 - 4	3	0	0	45.0 ± 37.3	(82.3 - 7.7)
4 - 5	3	1	0	30.0 ± 34.9	(64.9 - 4.9)
5 -	2		2		
TOTAL	8	5	1	2	

No treatment

YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
0 - 1	6	3	1	45.5 ± 42.5	(87.9 - 3.0)
1 - 2	2	0	0	45.5 ± 42.5	(87.9 - 3.0)
2 - 3	2	0	0	45.5 ± 42.5	(87.9 - 3.0)
3 - 4	2	0	0	45.5 ± 42.5	(87.9 - 3.0)
4 - 5	2	0	0	45.5 ± 42.5	(87.9 - 3.0)
5 -	2		2		
TOTAL	6	3	1	2	

23 H0, P0, M(-), N0, or n0

	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLOW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
Colon, N0	0 - 1 922	30	53	0	96.6 ± 1.2	(97.9 - 95.4)
	1 - 2 839	26	24	0	93.6 ± 1.7	(95.3 - 92.0)
	2 - 3 789	24	26	0	90.7 ± 2.0	(92.7 - 88.7)
	3 - 4 739	23	14	0	87.8 ± 2.2	(90.1 - 85.6)
	4 - 5 702	26	41	0	84.5 ± 2.5	(87.0 - 82.0)
	5 - 635			635		
	TOTAL 922	129	158	635		
Rectum, N0	0 - 1 950	39	31	0	95.8 ± 1.3	(97.1 - 94.5)
	1 - 2 880	27	15	0	92.8 ± 1.7	(94.6 - 91.2)
	2 - 3 838	24	23	0	90.2 ± 2.0	(92.1 - 88.2)
	3 - 4 791	29	27	0	86.8 ± 2.3	(89.1 - 84.5)
	4 - 5 735	30	36	0	83.2 ± 2.5	(85.7 - 80.6)
	5 - 669			669		
	TOTAL 950	149	132	669		
Colon, n0	0 - 1 863	28	44	0	96.7 ± 1.2	(97.9 - 95.4)
	1 - 2 791	12	22	0	95.2 ± 1.5	(96.7 - 93.7)
	2 - 3 757	21	25	0	92.5 ± 1.8	(94.3 - 90.6)
	3 - 4 711	29	14	0	88.7 ± 2.3	(90.9 - 86.4)
	4 - 5 668	27	32	0	85.0 ± 2.6	(87.6 - 82.5)
	5 - 609			609		
	TOTAL 863	117	137	609		
Rectum, n0	0 - 1 712	29	28	0	95.8 ± 1.5	(97.4 - 94.3)
	1 - 2 655	16	10	0	93.5 ± 1.9	(95.4 - 91.6)
	2 - 3 629	23	10	0	90.0 ± 2.3	(92.3 - 87.7)
	3 - 4 596	25	19	0	86.2 ± 2.7	(88.9 - 83.5)
	4 - 5 552	22	26	0	82.7 ± 2.9	(85.6 - 79.7)
	5 - 504			504		
	TOTAL 712	115	93	504		

24-1 N0, H0, P0, M(−) by macroscopic depth of invasion
 Colon, adenocarcinoma

	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
M	0 - 1 122	1	10	0	99.1 ± 1.7	(100.8 - 97.4)
	1 - 2 111	0	2	0	99.1 ± 1.7	(100.8 - 97.4)
	2 - 3 109	2	8	0	97.3 ± 3.1	(100.4 - 94.1)
	3 - 4 99	4	1	0	93.3 ± 4.9	(98.2 - 88.4)
	4 - 5 94	1	10	0	92.3 ± 5.3	(97.5 - 87.0)
	5 - 83			83		
	TOTAL 122	8	31	83		
SM	0 - 1 158	4	9	0	97.4 ± 2.6	(100.0 - 94.8)
	1 - 2 145	3	4	0	95.4 ± 3.4	(98.8 - 91.9)
	2 - 3 138	1	3	0	94.7 ± 3.7	(98.3 - 91.0)
	3 - 4 134	5	3	0	91.1 ± 4.7	(95.8 - 86.4)
	4 - 5 126	5	9	0	87.3 ± 5.6	(92.9 - 81.7)
	5 - 112			112		
	TOTAL 158	18	28	112		
PM	0 - 1 119	0	4	0	100.0 ± 0.0	(100.0 - 100.0)
	1 - 2 115	3	4	0	97.3 ± 3.0	(100.4 - 94.3)
	2 - 3 108	2	2	0	95.5 ± 3.9	(99.4 - 91.6)
	3 - 4 104	2	1	0	93.7 ± 4.6	(98.3 - 89.1)
	4 - 5 101	5	2	0	89.0 ± 6.0	(95.0 - 83.0)
	5 - 94			94		
	TOTAL 119	12	13	94		
SS/A1	0 - 1 222	6	15	0	97.2 ± 2.3	(99.5 - 95.0)
	1 - 2 201	5	7	0	94.7 ± 3.1	(97.8 - 91.7)
	2 - 3 189	10	5	0	89.7 ± 4.3	(93.9 - 85.4)
	3 - 4 174	6	4	0	86.5 ± 4.8	(91.4 - 81.7)
	4 - 5 164	4	10	0	84.4 ± 5.2	(89.5 - 79.2)
	5 - 150			150		
	TOTAL 222	31	41	150		
S/A2	0 - 1 213	8	9	0	96.2 ± 2.7	(98.8 - 93.5)
	1 - 2 196	11	5	0	90.7 ± 4.1	(94.8 - 86.6)
	2 - 3 180	8	7	0	86.6 ± 4.8	(91.4 - 81.8)
	3 - 4 165	5	5	0	83.9 ± 5.2	(89.1 - 78.7)
	4 - 5 155	8	7	0	79.5 ± 5.8	(85.3 - 73.7)
	5 - 140			140		
	TOTAL 213	40	33	140		
Si/Ai	0 - 1 45	8	2	0	81.8 ± 11.6	(93.4 - 70.2)
	1 - 2 35	4	1	0	72.3 ± 13.6	(85.9 - 58.7)
	2 - 3 30	1	0	0	69.9 ± 14.0	(83.9 - 55.9)
	3 - 4 29	1	0	0	67.5 ± 14.3	(81.8 - 53.2)
	4 - 5 28	2	1	0	62.6 ± 14.9	(77.5 - 47.7)
	5 - 25			25		
	TOTAL 45	16	4	25		

24-2 N1, H0, P0, M(−) by macroscopic depth of invasion

Colon, adenocarcinoma

	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
M	0 - 1	3	0	0	100.0 ± 0.0	(100.0 -100.0)
	1 - 2	3	0	0	100.0 ± 0.0	(100.0 -100.0)
	2 - 3	3	0	1	100.0 ± 0.0	(100.0 -100.0)
	3 - 4	2	0	0	100.0 ± 0.0	(100.0 -100.0)
	4 - 5	2	0	0	100.0 ± 0.0	(100.0 -100.0)
	5 -	2		2		
	TOTAL	3	0	1	2	
SM	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	6	0	0	100.0 ± 0.0	(100.0 -100.0)
	1 - 2	6	0	1	100.0 ± 0.0	(100.0 -100.0)
	2 - 3	5	0	0	100.0 ± 0.0	(100.0 -100.0)
	3 - 4	5	1	0	80.0 ± 35.8	(115.8 - 44.2)
	4 - 5	4	0	1	80.0 ± 35.8	(115.8 - 44.2)
	5 -	3		3		
	TOTAL	6	1	2	3	
PM	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	33	1	4	96.8 ± 6.3	(103.1 - 90.4)
	1 - 2	28	1	0	93.3 ± 9.1	(102.5 - 84.2)
	2 - 3	27	2	1	86.3 ± 12.8	(99.0 - 73.5)
	3 - 4	24	1	4	82.4 ± 14.4	(96.8 - 68.0)
	4 - 5	19	0	4	82.4 ± 14.4	(96.8 - 68.0)
	5 -	15		15		
	TOTAL	33	5	13	15	
SS/A1	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	192	2	15	98.9 ± 1.5	(100.4 - 97.4)
	1 - 2	175	5	8	96.0 ± 2.9	(99.0 - 93.1)
	2 - 3	162	8	6	91.2 ± 4.3	(95.5 - 86.8)
	3 - 4	148	7	5	86.8 ± 5.3	(92.1 - 81.6)
	4 - 5	138	11	9	79.5 ± 6.4	(85.9 - 73.2)
	5 -	116		116		
	TOTAL	192	33	43	116	
S/A2	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	349	5	13	98.5 ± 1.3	(99.8 - 97.2)
	1 - 2	331	24	4	91.4 ± 3.1	(94.4 - 88.3)
	2 - 3	303	16	10	86.4 ± 3.8	(90.2 - 82.7)
	3 - 4	277	22	17	79.4 ± 4.5	(83.9 - 74.9)
	4 - 5	238	15	13	74.2 ± 4.9	(79.2 - 69.3)
	5 -	210		210		
	TOTAL	349	82	57	210	
Si/Ai	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	73	7	1	90.3 ± 6.9	(97.3 - 83.4)
	1 - 2	65	5	1	83.3 ± 8.8	(92.1 - 74.6)
	2 - 3	59	7	1	73.4 ± 10.5	(83.8 - 62.9)
	3 - 4	51	0	1	73.4 ± 10.5	(83.8 - 62.9)
	4 - 5	50	2	3	70.3 ± 10.9	(81.2 - 59.5)
	5 -	45		45		
	TOTAL	73	21	7	45	

24-3 N2, H0, P0, M(−) by macroscopic depth of invasion

Colon, adenocarcinoma

	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
M	0 - 1	1	0	0	100.0 ± 0.0	(100.0 - 100.0)
	1 - 2	1	0	0	100.0 ± 0.0	(100.0 - 100.0)
	2 - 3	1	0	0	100.0 ± 0.0	(100.0 - 100.0)
	3 - 4	1	0	0	0.0 ± 0.0	(0.0 - 0.0)
	4 - 5	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	5 -	0				
	TOTAL	1	1	0	0	
SM	0 - 1	2	0	0	100.0 ± 0.0	(100.0 - 100.0)
	1 - 2	2	0	0	100.0 ± 0.0	(100.0 - 100.0)
	2 - 3	2	0	0	100.0 ± 0.0	(100.0 - 100.0)
	3 - 4	2	0	0	100.0 ± 0.0	(100.0 - 100.0)
	4 - 5	2	0	0	100.0 ± 0.0	(100.0 - 100.0)
	5 -	2				
	TOTAL	2	0	0	2	
PM	0 - 1	14	1	0	92.9 ± 13.8	(106.6 - 79.1)
	1 - 2	13	0	0	92.9 ± 13.8	(106.6 - 79.1)
	2 - 3	13	2	0	78.6 ± 21.9	(100.5 - 56.6)
	3 - 4	11	0	1	78.6 ± 21.9	(100.5 - 56.6)
	4 - 5	10	2	2	61.1 ± 27.7	(88.8 - 33.4)
	5 -	6				
	TOTAL	14	5	3	6	
SS/A1	0 - 1	77	2	3	97.4 ± 3.7	(101.0 - 95.7)
	1 - 2	72	5	2	90.5 ± 6.8	(97.3 - 83.7)
	2 - 3	65	2	3	87.6 ± 7.7	(95.4 - 79.9)
	3 - 4	60	0	1	87.6 ± 7.7	(95.4 - 79.9)
	4 - 5	59	4	5	81.4 ± 8.3	(90.8 - 72.1)
	5 -	50				
	TOTAL	77	13	14	50	
S/A2	0 - 1	229	15	5	93.4 ± 3.3	(96.7 - 90.1)
	1 - 2	209	13	10	87.4 ± 4.4	(91.9 - 83.0)
	2 - 3	186	22	3	77.0 ± 5.7	(82.7 - 71.3)
	3 - 4	161	9	4	72.6 ± 6.1	(78.7 - 66.6)
	4 - 5	148	10	11	67.5 ± 6.5	(74.0 - 61.1)
	5 -	127		127		
	TOTAL	229	69	33	127	
Si/Ai	0 - 1	105	10	4	90.3 ± 5.8	(96.1 - 84.5)
	1 - 2	91	9	4	81.2 ± 7.8	(89.0 - 73.4)
	2 - 3	78	7	0	73.9 ± 8.8	(82.7 - 65.0)
	3 - 4	71	8	5	65.2 ± 9.7	(74.9 - 55.6)
	4 - 5	58	5	0	59.4 ± 10.1	(69.5 - 48.2)
	5 -	48				
	TOTAL	105	38	18	48	

24-4 N3, H0, P0, M(−) by macroscopic depth of invasion

Colon, adenocarcinoma

M

YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
0 - 1	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
1 - 2	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
2 - 3	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
3 - 4	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
4 - 5	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
5 -	0		0	0.0 ± 0.0	(0.0 - 0.0)
TOTAL	0	0	0		

SM

YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
0 - 1	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
1 - 2	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
2 - 3	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
3 - 4	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
4 - 5	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
5 -	0		0	0.0 ± 0.0	(0.0 - 0.0)
TOTAL	0	0	0		

PM

YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
0 - 1	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
1 - 2	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
2 - 3	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
3 - 4	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
4 - 5	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
5 -	0		0	0.0 ± 0.0	(0.0 - 0.0)
TOTAL	0	0	0		

SS/A1

YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
0 - 1	16	0	0	100.0 ± 0.0	(100.0 - 100.0)
1 - 2	16	0	0	100.0 ± 0.0	(100.0 - 100.0)
2 - 3	16	0	1	100.0 ± 0.0	(100.0 - 100.0)
3 - 4	15	2	1	86.2 ± 18.1	(104.3 - 68.1)
4 - 5	12	0	1	86.2 ± 18.1	(104.3 - 68.1)
5 -	11		11		
TOTAL	16	2	3	11	

S/A2

YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
0 - 1	43	4	0	90.7 ± 8.9	(99.6 - 81.8)
1 - 2	39	5	2	78.8 ± 12.6	(91.3 - 66.2)
2 - 3	32	5	2	66.1 ± 14.8	(80.9 - 51.2)
3 - 4	25	1	0	63.4 ± 15.1	(78.6 - 48.3)
4 - 5	24	1	1	60.7 ± 15.4	(76.1 - 45.3)
5 -	22		22		
TOTAL	43	16	5	22	

Si/Ai

YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
0 - 1	35	6	3	82.1 ± 13.2	(95.3 - 68.8)
1 - 2	26	4	0	69.5 ± 16.1	(85.6 - 53.3)
2 - 3	22	2	1	63.0 ± 17.0	(80.0 - 46.0)
3 - 4	19	2	0	56.4 ± 17.6	(74.0 - 38.7)
4 - 5	17	2	2	49.3 ± 18.0	(67.3 - 31.3)
5 -	13		13		
TOTAL	35	16	6	13	

24-5 N4, H0, P0, M(−) by macroscopic depth of invasion
 Colon, adenocarcinoma

	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
M	0 - 1	1	0	0	0.0 ± 0.0	(0.0 - 0.0)
	1 - 2	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	2 - 3	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	3 - 4	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	4 - 5	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	5 -	0				
	TOTAL	1	0	0		
SM	0 - 1	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	1 - 2	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	2 - 3	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	3 - 4	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	4 - 5	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	5 -	0				
	TOTAL	0	0	0		
PM	0 - 1	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	1 - 2	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	2 - 3	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	3 - 4	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	4 - 5	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	5 -	0				
	TOTAL	0	0	0		
SS/A1	0 - 1	2	0	0	100.0 ± 0.0	(100.0 - 100.0)
	1 - 2	2	1	0	50.0 ± 70.7	(120.7 --20.7)
	2 - 3	1	0	0	50.0 ± 70.7	(120.7 -20.7)
	3 - 4	1	0	0	50.0 ± 70.7	(120.7 --20.7)
	4 - 5	1	0	0	50.0 ± 70.7	(120.7 -20.7)
	5 -	1				
	TOTAL	2	1	0	1	
S/A2	0 - 1	15	4	0	73.3 ± 22.8	(96.2 - 50.5)
	1 - 2	11	0	0	73.3 ± 22.8	(96.2 - 50.5)
	2 - 3	11	3	0	53.3 ± 25.8	(79.1 - 27.6)
	3 - 4	8	1	0	46.7 ± 25.8	(72.4 - 20.8)
	4 - 5	7	1	0	40.0 ± 25.3	(65.3 - 14.7)
	5 -	6				
	TOTAL	15	9	0	6	
Si/Ai	0 - 1	18	8	0	55.6 ± 23.4	(79.0 - 32.1)
	1 - 2	10	1	0	50.0 ± 23.6	(73.6 - 26.4)
	2 - 3	9	1	0	44.4 ± 23.4	(67.9 - 21.0)
	3 - 4	8	0	0	44.4 ± 23.4	(67.9 - 21.0)
	4 - 5	8	0	1	44.4 ± 23.4	(67.9 - 21.0)
	5 -	7				
	TOTAL	18	10	1	7	

24-6 N0, H0, P0, M(−) by macroscopic depth of invasion

Rectum, adenocarcinoma

	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
M	0 - 1 93	2	2	0	97.8 ± 3.0	(100.9 - 94.8)
	1 - 2 89	5	2	0	92.3 ± 5.6	(97.8 - 86.7)
	2 - 3 82	3	1	0	88.9 ± 6.6	(95.5 - 82.2)
	3 - 4 78	2	3	0	86.5 ± 7.2	(93.8 - 79.3)
	4 - 5 73	0	4	0	86.5 ± 7.2	(93.8 - 79.3)
	5 - 69			69		
	TOTAL 93	12	12	69		
SM	0 - 1 125	3	6	0	97.5 ± 2.8	(100.3 - 94.7)
	1 - 2 116	2	3	0	95.8 ± 3.6	(99.5 - 92.2)
	2 - 3 111	2	5	0	94.1 ± 4.4	(98.4 - 89.7)
	3 - 4 104	2	5	0	92.2 ± 5.0	(97.2 - 87.2)
	4 - 5 97	0	3	0	92.2 ± 5.0	(97.2 - 87.2)
	5 - 94			94		
	TOTAL 125	9	22	94		
PM	0 - 1 226	10	8	0	95.5 ± 2.8	(98.3 - 92.7)
	1 - 2 208	2	2	0	94.6 ± 3.0	(97.6 - 91.5)
	2 - 3 204	4	5	0	92.7 ± 3.5	(96.2 - 89.2)
	3 - 4 195	4	6	0	90.8 ± 3.9	(94.7 - 86.8)
	4 - 5 185	7	7	0	87.3 ± 4.6	(91.9 - 82.7)
	5 - 171			171		
	TOTAL 226	27	28	171		
SS/A1	0 - 1 277	10	7	0	96.3 ± 2.3	(98.6 - 94.1)
	1 - 2 260	7	6	0	93.7 ± 3.0	(96.7 - 90.8)
	2 - 3 247	7	7	0	91.0 ± 3.5	(94.5 - 87.5)
	3 - 4 233	10	7	0	87.1 ± 4.1	(91.2 - 82.9)
	4 - 5 216	15	10	0	80.9 ± 4.9	(85.8 - 75.9)
	5 - 191			191		
	TOTAL 277	49	37	191		
S/A2	0 - 1 169	10	4	0	94.0 ± 3.7	(97.7 - 90.3)
	1 - 2 155	5	2	0	91.0 ± 4.5	(95.4 - 86.5)
	2 - 3 148	5	3	0	87.9 ± 5.1	(92.9 - 82.8)
	3 - 4 140	8	5	0	82.7 ± 5.9	(88.7 - 76.8)
	4 - 5 127	6	10	0	78.7 ± 6.5	(85.2 - 72.2)
	5 - 111			111		
	TOTAL 169	34	24	111		
Si/Ai	0 - 1 26	3	1	0	88.2 ± 12.8	(101.0 - 75.5)
	1 - 2 22	4	0	0	72.2 ± 17.9	(90.1 - 54.3)
	2 - 3 18	2	1	0	63.9 ± 19.3	(83.2 - 44.7)
	3 - 4 15	0	1	0	63.9 ± 19.3	(83.2 - 44.7)
	4 - 5 14	0	0	0	63.9 ± 19.3	(83.2 - 44.7)
	5 - 14			14		
	TOTAL 26	9	3	14		

24-7 N1, H0, P0, M(−) by macroscopic depth of invasion

Rectum, adenocarcinoma

	YEAR OF ALIVE AT OBSERVAT	BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
M	0 - 1	4	0	0	0	100.0 ± 0.0	(100.0 - 100.0)
	1 - 2	4	0	0	0	100.0 ± 0.0	(100.0 - 100.0)
	2 - 3	4	0	1	0	100.0 ± 0.0	(100.0 - 100.0)
	3 - 4	3	0	0	0	100.0 ± 0.0	(100.0 - 100.0)
	4 - 5	3	0	0	0	100.0 ± 0.0	(100.0 - 100.0)
	5 -	3			3		
	TOTAL	4	0	1	3		
SM	0 - 1	5	1	0	0	80.0 ± 35.8	(115.8 - 44.2)
	1 - 2	4	0	0	0	80.0 ± 35.8	(115.8 - 44.2)
	2 - 3	4	1	0	0	60.0 ± 43.8	(103.8 - 16.2)
	3 - 4	3	0	0	0	60.0 ± 43.8	(103.8 - 16.2)
	4 - 5	3	0	0	0	60.0 ± 43.8	(103.8 - 16.2)
	5 -	3			3		
	TOTAL	5	2	0	3		
PM	0 - 1	50	3	2	0	93.9 ± 6.8	(100.7 - 87.0)
	1 - 2	45	2	1	0	89.7 ± 8.8	(98.4 - 80.9)
	2 - 3	42	2	1	0	85.3 ± 10.3	(95.6 - 75.1)
	3 - 4	39	0	0	0	85.3 ± 10.3	(95.6 - 75.1)
	4 - 5	39	2	1	0	80.9 ± 11.5	(92.4 - 69.4)
	5 -	36			36		
	TOTAL	50	9	5	36		
SS/A1	0 - 1	193	6	9	0	96.8 ± 2.6	(99.4 - 94.3)
	1 - 2	178	6	4	0	93.5 ± 3.6	(97.1 - 89.9)
	2 - 3	168	9	3	0	88.5 ± 4.7	(93.2 - 83.7)
	3 - 4	156	10	7	0	82.7 ± 5.7	(88.3 - 77.0)
	4 - 5	139	9	3	0	77.3 ± 6.3	(83.6 - 70.9)
	5 -	127			127		
	TOTAL	193	40	26	127		
S/A2	0 - 1	277	19	7	0	93.1 ± 3.1	(96.1 - 90.0)
	1 - 2	251	22	1	0	84.9 ± 4.4	(89.2 - 80.5)
	2 - 3	228	22	5	0	76.6 ± 5.2	(81.8 - 71.4)
	3 - 4	201	14	5	0	71.2 ± 5.5	(76.7 - 65.6)
	4 - 5	182	10	8	0	67.2 ± 5.8	(73.0 - 61.4)
	5 -	164			164		
	TOTAL	277	87	26	164		
Si/Ai	0 - 1	46	2	1	0	95.6 ± 6.1	(101.7 - 89.5)
	1 - 2	43	4	1	0	86.6 ± 10.2	(96.8 - 76.4)
	2 - 3	38	4	0	0	77.5 ± 12.5	(90.0 - 64.9)
	3 - 4	34	5	0	0	66.1 ± 14.3	(80.3 - 51.8)
	4 - 5	29	1	3	0	63.7 ± 14.5	(78.2 - 49.2)
	5 -	25			25		
	TOTAL	46	16	5	25		

24-8 N2, H0, P0, M(−) by macroscopic depth of invasion

Rectum, adenocarcinoma

	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
M	0 - 1	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	1 - 2	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	2 - 3	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	3 - 4	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	4 - 5	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	5 -	0		0		
	TOTAL	0	0	0		
SM	0 - 1	3	0	0	100.0 ± 0.0	(100.0 - 100.0)
	1 - 2	3	1	0	66.7 ± 54.4	(121.1 - 12.2)
	2 - 3	2	0	0	66.7 ± 54.4	(121.1 - 12.2)
	3 - 4	2	0	0	66.7 ± 54.4	(121.1 - 12.2)
	4 - 5	2	0	0	66.7 ± 54.4	(121.1 - 12.2)
	5 -	2		2		
	TOTAL	3	1	0	2	
PM	0 - 1	14	0	0	100.0 ± 0.0	(100.0 - 100.0)
	1 - 2	14	2	1	85.2 ± 19.3	(104.5 - 65.8)
	2 - 3	11	1	0	77.4 ± 23.0	(100.4 - 54.5)
	3 - 4	10	0	0	77.4 ± 23.0	(100.4 - 54.5)
	4 - 5	10	1	0	69.7 ± 25.4	(95.1 - 44.3)
	5 -	9		9		
	TOTAL	14	4	1	9	
SS/A1	0 - 1	66	7	2	89.2 ± 7.7	(96.9 - 81.5)
	1 - 2	57	5	2	81.3 ± 9.8	(91.0 - 71.5)
	2 - 3	50	9	1	66.5 ± 12.0	(78.5 - 54.5)
	3 - 4	40	4	2	59.7 ± 12.5	(72.2 - 47.1)
	4 - 5	34	2	1	56.1 ± 12.8	(68.9 - 43.4)
	5 -	31		31		
	TOTAL	66	27	8	31	
S/A2	0 - 1	135	11	0	91.9 ± 4.7	(96.6 - 87.1)
	1 - 2	124	15	1	80.7 ± 6.8	(87.5 - 73.9)
	2 - 3	108	23	3	63.3 ± 8.4	(71.6 - 54.9)
	3 - 4	82	5	1	59.4 ± 8.5	(67.9 - 50.9)
	4 - 5	76	7	3	53.8 ± 8.7	(62.5 - 45.1)
	5 -	66		66		
	TOTAL	135	61	8	66	
Si/Ai	0 - 1	62	12	2	80.3 ± 10.2	(90.5 - 70.1)
	1 - 2	48	15	1	55.0 ± 12.9	(67.8 - 42.1)
	2 - 3	32	9	0	39.5 ± 12.7	(52.2 - 26.8)
	3 - 4	23	6	0	29.2 ± 11.9	(41.1 - 17.3)
	4 - 5	17	0	0	29.2 ± 11.9	(41.1 - 17.3)
	5 -	17		17		
	TOTAL	62	42	3	17	

24-9 N3, H0, P0, M(−) by macroscopic depth of invasion

Rectum, adenocarcinoma

	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
M	0 - 1	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	1 - 2	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	2 - 3	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	3 - 4	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	4 - 5	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	5 -	0		0		
	TOTAL	0	0	0		
SM	0 - 1	1	1	0	0.0 ± 0.0	(0.0 - 0.0)
	1 - 2	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	2 - 3	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	3 - 4	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	4 - 5	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	5 -	0		0		
	TOTAL	1	1	0	0	
PM	0 - 1	2	0	0	100.0 ± 0.0	(100.0 - 100.0)
	1 - 2	2	0	0	100.0 ± 0.0	(100.0 - 100.0)
	2 - 3	2	0	0	100.0 ± 0.0	(100.0 - 100.0)
	3 - 4	2	0	1	100.0 ± 0.0	(100.0 - 100.0)
	4 - 5	1	0	0	100.0 ± 0.0	(100.0 - 100.0)
	5 -	1		1		
	TOTAL	2	0	1	1	
SS/A1	0 - 1	10	1	1	89.5 ± 18.9	(109.4 - 69.6)
	1 - 2	8	1	0	78.3 ± 27.2	(105.5 - 51.1)
	2 - 3	7	1	0	67.1 ± 31.2	(98.3 - 35.9)
	3 - 4	6	0	0	67.1 ± 31.2	(98.3 - 35.9)
	4 - 5	6	1	0	55.8 ± 33.1	(89.0 - 22.9)
	5 -	5		5		
	TOTAL	10	4	1	5	
S/A2	0 - 1	19	3	2	83.3 ± 17.6	(100.9 - 65.8)
	1 - 2	14	4	0	59.5 ± 23.7	(83.2 - 35.8)
	2 - 3	10	2	0	47.6 ± 24.2	(71.8 - 23.4)
	3 - 4	8	0	0	47.6 ± 24.2	(71.8 - 23.4)
	4 - 5	8	0	0	47.6 ± 24.2	(71.8 - 23.4)
	5 -	8		8		
	TOTAL	19	8	2	8	
Si/Ai	0 - 1	23	7	1	68.9 ± 19.5	(88.4 - 49.4)
	1 - 2	15	3	1	54.6 ± 21.3	(76.0 - 33.3)
	2 - 3	11	3	0	39.7 ± 21.3	(61.1 - 18.4)
	3 - 4	8	1	1	34.4 ± 21.0	(55.4 - 13.5)
	4 - 5	6	0	1	34.4 ± 21.0	(55.4 - 13.5)
	5 -	5		5		
	TOTAL	23	14	4	5	

24-10 N4, H0, P0, M(−) by macroscopic depth of invasion

Rectum, adenocarcinoma

	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
M	0 - 1	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	1 - 2	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	2 - 3	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	3 - 4	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	4 - 5	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	5 -	0		0		
	TOTAL	0	0	0		
SM	0 - 1	1	1	0	0.0 ± 0.0	(0.0 - 0.0)
	1 - 2	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	2 - 3	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	3 - 4	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	4 - 5	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	5 -	0		0		
	TOTAL	1	1	0	0	
PM	0 - 1	1	0	0	100.0 ± 0.0	(100.0 - 100.0)
	1 - 2	1	0	0	100.0 ± 0.0	(100.0 - 100.0)
	2 - 3	1	1	0	0.0 ± 0.0	(0.0 - 0.0)
	3 - 4	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	4 - 5	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	5 -	0		0		
	TOTAL	1	1	0	0	
SS/A1	0 - 1	4	0	0	100.0 ± 0.0	(100.0 - 100.0)
	1 - 2	4	0	0	100.0 ± 0.0	(100.0 - 100.0)
	2 - 3	4	1	0	75.0 ± 43.3	(118.3 - 31.7)
	3 - 4	3	1	0	50.0 ± 50.0	(100.0 - 0.0)
	4 - 5	2	0	0	50.0 ± 50.0	(100.0 - 0.0)
	5 -	2		2		
	TOTAL	4	2	0	2	
S/A2	0 - 1	15	5	0	66.7 ± 24.3	(91.0 - 42.3)
	1 - 2	10	4	1	38.6 ± 25.6	(64.2 - 13.0)
	2 - 3	5	2	0	23.2 ± 22.8	(46.0 - 0.3)
	3 - 4	3	1	0	15.4 ± 19.8	(35.2 - -4.3)
	4 - 5	2	1	0	7.7 ± 14.7	(22.4 - -7.0)
	5 -	1		1		
	TOTAL	15	13	1	1	
Si/Ai	0 - 1	10	2	1	78.9 ± 26.5	(105.4 - 52.5)
	1 - 2	7	3	0	45.1 ± 33.2	(78.3 - 11.9)
	2 - 3	4	1	1	32.2 ± 32.2	(64.4 - 0.0)
	3 - 4	2	0	0	32.2 ± 32.2	(64.4 - 0.0)
	4 - 5	2	0	0	32.2 ± 32.2	(64.4 - 0.0)
	5 -	2		2		
	TOTAL	10	6	2	2	

25-1 n0, H0, P0, M(−) by histological depth of invasion
 Colon, adenocarcinoma

	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
m	0 - 1 113	1	9	0	99.1 ± 1.8	(100.9 - 97.2)
	1 - 2 103	0	2	0	99.1 ± 1.8	(100.9 - 97.2)
	2 - 3 101	1	7	0	98.1 ± 2.7	(100.8 - 95.3)
	3 - 4 93	4	1	0	93.8 ± 4.9	(98.7 - 88.9)
	4 - 5 88	1	10	0	92.7 ± 5.3	(98.0 - 87.4)
	5 - 77			77		
	TOTAL 113	7	29	77		
sm	0 - 1 147	3	8	0	97.9 ± 2.4	(100.3 - 95.5)
	1 - 2 136	3	3	0	95.7 ± 3.4	(99.1 - 92.3)
	2 - 3 130	1	3	0	95.0 ± 3.7	(98.7 - 91.3)
	3 - 4 126	5	3	0	91.2 ± 4.9	(96.0 - 86.3)
	4 - 5 118	5	9	0	87.1 ± 5.8	(93.0 - 81.3)
	5 - 104			104		
	TOTAL 147	17	26	104		
pm	0 - 1 132	1	6	0	99.2 ± 1.5	(100.8 - 97.7)
	1 - 2 125	2	4	0	97.6 ± 2.7	(100.3 - 94.9)
	2 - 3 119	5	3	0	93.5 ± 4.5	(97.9 - 89.0)
	3 - 4 111	3	4	0	90.9 ± 5.2	(96.1 - 85.6)
	4 - 5 104	3	5	0	88.2 ± 5.9	(94.1 - 82.3)
	5 - 96			96		
	TOTAL 132	14	22	96		
ss/ai	0 - 1 314	6	23	0	98.0 ± 1.6	(99.6 - 96.4)
	1 - 2 285	3	12	0	97.0 ± 2.0	(99.0 - 95.0)
	2 - 3 270	8	12	0	94.0 ± 2.8	(96.8 - 91.2)
	3 - 4 250	8	4	0	91.0 ± 3.4	(94.4 - 87.5)
	4 - 5 238	5	12	0	89.0 ± 3.8	(92.8 - 85.2)
	5 - 221			221		
	TOTAL 314	30	63	221		
s/a2	0 - 1 492	20	19	0	95.9 ± 1.8	(97.7 - 94.0)
	1 - 2 453	9	11	0	93.9 ± 2.2	(96.1 - 91.7)
	2 - 3 433	22	12	0	89.1 ± 2.9	(92.0 - 86.2)
	3 - 4 399	19	16	0	84.8 ± 3.4	(88.1 - 81.4)
	4 - 5 364	15	20	0	81.2 ± 3.7	(84.9 - 77.5)
	5 - 329			329		
	TOTAL 492	85	78	329		
si/ai	0 - 1 143	12	3	0	91.5 ± 4.7	(96.2 - 86.8)
	1 - 2 128	4	4	0	88.6 ± 5.4	(94.0 - 83.3)
	2 - 3 120	8	2	0	82.7 ± 6.4	(89.1 - 76.2)
	3 - 4 110	3	2	0	80.4 ± 6.8	(87.2 - 73.6)
	4 - 5 105	8	5	0	74.1 ± 7.6	(81.7 - 66.5)
	5 - 92			92		
	TOTAL 143	35	16	92		

25-2 n1, H0, P0, M(−) by histological depth of invasion

Colon, adenocarcinoma

	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
m	0 - 1	1	0	0	100.0 ± 0.0	(100.0 - 100.0)
	1 - 2	1	0	0	100.0 ± 0.0	(100.0 - 100.0)
	2 - 3	1	0	0	100.0 ± 0.0	(100.0 - 100.0)
	3 - 4	1	0	0	100.0 ± 0.0	(100.0 - 100.0)
	4 - 5	1	0	0	100.0 ± 0.0	(100.0 - 100.0)
	5 -	1	0	1	100.0 ± 0.0	(100.0 - 100.0)
	TOTAL	1	0	0	1	
sm	0 - 1	12	0	0	100.0 ± 0.0	(100.0 - 100.0)
	1 - 2	12	0	1	100.0 ± 0.0	(100.0 - 100.0)
	2 - 3	11	0	0	100.0 ± 0.0	(100.0 - 100.0)
	3 - 4	11	1	0	90.9 ± 17.3	(108.2 - 73.6)
	4 - 5	10	0	1	90.9 ± 17.3	(108.2 - 73.6)
	5 -	9		9		
	TOTAL	12	1	2	9	
pm	0 - 1	20	0	1	100.0 ± 0.0	(100.0 - 100.0)
	1 - 2	18	1	0	94.7 ± 10.2	(105.0 - 84.5)
	2 - 3	18	1	0	89.5 ± 14.1	(103.6 - 75.4)
	3 - 4	17	0	2	89.5 ± 14.1	(103.6 - 75.4)
	4 - 5	15	3	1	71.0 ± 22.1	(93.0 - 48.9)
	5 -	11		11		
	TOTAL	20	5	4	11	
ss/ai	0 - 1	119	3	6	97.4 ± 2.9	(100.4 - 94.5)
	1 - 2	110	5	3	92.8 ± 4.8	(97.8 - 88.1)
	2 - 3	102	8	3	85.5 ± 6.7	(92.2 - 78.8)
	3 - 4	91	3	5	82.6 ± 7.3	(89.9 - 75.4)
	4 - 5	83	9	8	73.2 ± 8.7	(82.0 - 64.5)
	5 -	66		66		
	TOTAL	119	28	25	66	
s/a2	0 - 1	209	4	8	98.0 ± 1.9	(100.0 - 96.1)
	1 - 2	197	24	4	86.0 ± 4.9	(90.9 - 81.1)
	2 - 3	169	12	5	79.8 ± 5.7	(85.5 - 74.1)
	3 - 4	152	11	7	73.9 ± 6.3	(80.2 - 67.6)
	4 - 5	134	12	7	67.1 ± 6.8	(73.9 - 60.2)
	5 -	115		115		
	TOTAL	209	63	31	115	
si/ai	0 - 1	65	4	1	93.8 ± 6.0	(99.8 - 87.8)
	1 - 2	60	8	2	81.1 ± 9.8	(90.9 - 71.2)
	2 - 3	50	5	0	73.0 ± 11.2	(84.2 - 61.8)
	3 - 4	45	5	1	64.8 ± 12.1	(76.9 - 52.7)
	4 - 5	39	3	5	59.4 ± 12.6	(72.0 - 46.9)
	5 -	31		31		
	TOTAL	65	25	9	31	

25-3 n2, H0, P0, M(−) by histological depth of invasion
 Colon, adenocarcinoma

	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
m	0 - 1	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	1 - 2	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	2 - 3	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	3 - 4	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	4 - 5	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	5 -	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	TOTAL	0	0	0		
sm	0 - 1	1	1	0	0.0 ± 0.0	(0.0 - 0.0)
	1 - 2	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	2 - 3	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	3 - 4	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	4 - 5	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	5 -	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	TOTAL	1	1	0	0	
pm	0 - 1	13	1	1	0	
	1 - 2	11	0	0	0	
	2 - 3	11	0	0	0	
	3 - 4	11	0	0	0	
	4 - 5	11	1	2	0	
	5 -	8	0	0	8	
	TOTAL	13	2	3	8	
ss/a1	0 - 1	54	1	1	0	
	1 - 2	52	6	0	0	
	2 - 3	46	4	0	0	
	3 - 4	42	3	2	0	
	4 - 5	37	4	5	0	
	5 -	28	0	0	28	
	TOTAL	54	18	8	28	
s/a2	0 - 1	104	7	1	0	
	1 - 2	96	14	5	0	
	2 - 3	77	11	3	0	
	3 - 4	63	7	3	0	
	4 - 5	53	5	3	0	
	5 -	45	0	45		
	TOTAL	104	44	15	45	
si/ai	0 - 1	41	10	2	0	
	1 - 2	29	7	0	0	
	2 - 3	22	4	0	0	
	3 - 4	18	1	3	0	
	4 - 5	14	0	1	0	
	5 -	13	0	13		
	TOTAL	41	22	6	13	

25-4 n3, H0, P0, M(−) by histological depth of invasion

Colon, adenocarcinoma

	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
m	0 - 1	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	1 - 2	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	2 - 3	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	3 - 4	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	4 - 5	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	5 -	0		0		
	TOTAL	0	0	0		
sm	0 - 1	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	1 - 2	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	2 - 3	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	3 - 4	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	4 - 5	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	5 -	0		0		
	TOTAL	0	0	0		
pm	0 - 1	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	1 - 2	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	2 - 3	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	3 - 4	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	4 - 5	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	5 -	0		0		
	TOTAL	0	0	0		
ss/ai	0 - 1	8	0	2	0	100.0 ± 0.0 (100.0 - 100.0)
	1 - 2	6	2	0	0	66.7 ± 38.5 (105.2 - 28.2)
	2 - 3	4	0	0	0	66.7 ± 38.5 (105.2 - 28.2)
	3 - 4	4	1	0	0	50.0 ± 40.8 (90.8 - 9.2)
	4 - 5	3	0	0	0	50.0 ± 40.8 (90.8 - 9.2)
	5 -	3		3		
	TOTAL	8	3	2	3	
s/a2	0 - 1	25	4	0	0	84.0 ± 14.7 (98.7 - 69.3)
	1 - 2	21	5	1	0	63.5 ± 19.4 (82.9 - 44.1)
	2 - 3	15	5	2	0	40.8 ± 20.5 (61.3 - 20.3)
	3 - 4	8	0	0	0	40.8 ± 20.5 (61.3 - 20.3)
	4 - 5	8	1	1	0	35.4 ± 20.5 (55.8 - 14.9)
	5 -	6		6		
	TOTAL	25	15	4	6	
si/ai	0 - 1	10	4	1	0	57.9 ± 32.0 (89.9 - 25.9)
	1 - 2	5	2	0	0	34.7 ± 31.8 (66.6 - 2.9)
	2 - 3	3	1	0	0	23.2 ± 28.4 (51.6 - 5.3)
	3 - 4	2	2	0	0	0.0 ± 0.0 (0.0 - 0.0)
	4 - 5	0	0	0	0	0.0 ± 0.0 (0.0 - 0.0)
	5 -	0		0		
	TOTAL	10	8	1	0	

25-5 n4, H0, P0, M(−) by histological depth of invasion

Colon, adenocarcinoma

	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
m	0 - 1	1	0	0	0.0 ± 0.0	(0.0 - 0.0)
	1 - 2	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	2 - 3	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	3 - 4	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	4 - 5	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	5 -	0		0		
	TOTAL	1	0	0		
sm	0 - 1	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	1 - 2	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	2 - 3	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	3 - 4	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	4 - 5	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	5 -	0		0		
	TOTAL	0	0	0		
pm	0 - 1	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	1 - 2	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	2 - 3	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	3 - 4	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	4 - 5	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	5 -	0		0		
	TOTAL	0	0	0		
ss/ai	0 - 1	4	0	0	100.0 ± 0.0	(100.0 - 100.0)
	1 - 2	4	0	0	100.0 ± 0.0	(100.0 - 100.0)
	2 - 3	4	0	0	100.0 ± 0.0	(100.0 - 100.0)
	3 - 4	4	0	0	100.0 ± 0.0	(100.0 - 100.0)
	4 - 5	4	1	0	75.0 ± 43.3	(118.3 - 31.7)
	5 -	3		3		
	TOTAL	4	1	0	3	
s/a2	0 - 1	8	1	0	87.5 ± 23.4	(110.9 - 64.1)
	1 - 2	7	0	0	87.5 ± 23.4	(110.9 - 64.1)
	2 - 3	7	3	0	50.0 ± 35.4	(85.4 - 14.6)
	3 - 4	4	1	0	37.5 ± 34.2	(71.7 - 3.3)
	4 - 5	3	1	1	22.5 ± 31.0	(53.5 - 8.5)
	5 -	1		1		
	TOTAL	8	6	1	1	
si/ai	0 - 1	6	3	0	50.0 ± 40.8	(80.8 - 9.2)
	1 - 2	3	1	0	33.3 ± 38.5	(71.8 - 5.2)
	2 - 3	2	0	0	33.3 ± 38.5	(71.8 - 5.2)
	3 - 4	2	0	1	33.3 ± 38.5	(71.8 - 5.2)
	4 - 5	1	0	0	33.3 ± 38.5	(71.8 - 5.2)
	5 -	1		1		
	TOTAL	6	4	1	1	

25-6 n0, H0, P0, M(−) by histological depth of invasion

Rectum, adenocarcinoma

	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
m	0 - 1	78	2	2	97.4 ± 3.6	(101.0 - 93.8)
	1 - 2	74	3	2	93.4 ± 5.7	(99.1 - 87.7)
	2 - 3	69	2	1	90.7 ± 6.7	(97.4 - 84.0)
	3 - 4	66	1	3	89.3 ± 7.2	(96.4 - 82.1)
	4 - 5	62	0	3	89.3 ± 7.2	(96.4 - 82.1)
	5 -	59		59		
	TOTAL	78	8	11	59	
sm	0 - 1	107	3	4	97.1 ± 3.3	(100.4 - 93.9)
	1 - 2	100	0	2	97.1 ± 3.3	(100.4 - 93.9)
	2 - 3	98	2	4	95.1 ± 4.3	(99.4 - 80.9)
	3 - 4	92	1	4	94.1 ± 4.7	(98.8 - 89.4)
	4 - 5	87	0	1	94.1 ± 4.7	(98.8 - 89.4)
	5 -	86		86		
	TOTAL	107	6	15	86	
pm	0 - 1	221	8	10	96.3 ± 2.6	(98.9 - 93.7)
	1 - 2	203	2	3	95.3 ± 2.9	(98.2 - 92.5)
	2 - 3	198	5	4	92.9 ± 3.5	(96.4 - 89.4)
	3 - 4	189	3	5	91.4 ± 3.9	(95.3 - 87.5)
	4 - 5	181	5	6	88.8 ± 4.4	(93.2 - 84.5)
	5 -	170		170		
	TOTAL	221	23	28	170	
ss/ai	0 - 1	344	11	13	96.7 ± 1.9	(98.7 - 94.8)
	1 - 2	320	7	9	94.6 ± 2.5	(97.1 - 92.1)
	2 - 3	304	9	5	91.8 ± 3.0	(94.8 - 88.7)
	3 - 4	290	11	11	88.2 ± 3.6	(91.8 - 84.6)
	4 - 5	268	16	13	82.8 ± 4.3	(87.1 - 78.6)
	5 -	239		239		
	TOTAL	344	54	51	239	
s/a2	0 - 1	276	14	6	94.9 ± 2.7	(97.5 - 92.2)
	1 - 2	256	10	3	91.1 ± 3.5	(94.6 - 87.7)
	2 - 3	243	9	4	87.7 ± 4.0	(91.7 - 83.7)
	3 - 4	230	9	6	84.3 ± 4.5	(88.7 - 79.8)
	4 - 5	215	11	10	79.8 ± 5.0	(84.8 - 74.9)
	5 -	194		194		
	TOTAL	276	53	29	194	
si/ai	0 - 1	82	7	4	91.3 ± 6.3	(97.6 - 84.9)
	1 - 2	71	8	2	80.8 ± 8.9	(89.7 - 71.9)
	2 - 3	61	6	1	72.8 ± 10.2	(83.0 - 62.7)
	3 - 4	54	6	1	64.6 ± 11.0	(75.6 - 53.7)
	4 - 5	47	1	3	63.2 ± 11.1	(74.3 - 52.1)
	5 -	43		43		
	TOTAL	82	28	11	43	

25-7 n1, H0, P0, M(−) by histological depth of invasion

Rectum, adenocarcinoma

	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
m	0 - 1	6	0	0	100.0 ± 0.0	(100.0 - 100.0)
	1 - 2	6	0	0	100.0 ± 0.0	(100.0 - 100.0)
	2 - 3	6	0	1	100.0 ± 0.0	(100.0 - 100.0)
	3 - 4	5	1	0	80.0 ± 35.8	(115.8 - 44.2)
	4 - 5	4	0	0	80.0 ± 35.8	(115.8 - 44.2)
	5 -	4		4		
	TOTAL	6	1	1	4	
sm	0 - 1	11	0	0	100.0 ± 0.0	(100.0 - 100.0)
	1 - 2	11	2	0	81.8 ± 23.3	(105.1 - 58.6)
	2 - 3	9	1	1	72.2 ± 27.4	(98.5 - 44.8)
	3 - 4	7	0	1	72.2 ± 27.4	(99.5 - 44.8)
	4 - 5	6	0	0	72.2 ± 27.4	(99.5 - 44.8)
	5 -	6		6		
	TOTAL	11	3	2	6	
pm	0 - 1	44	3	0	93.2 ± 7.6	(100.8 - 85.6)
	1 - 2	41	1	0	90.9 ± 8.7	(99.6 - 82.2)
	2 - 3	40	1	1	88.6 ± 9.6	(98.2 - 79.0)
	3 - 4	38	1	1	86.2 ± 10.4	(96.7 - 75.8)
	4 - 5	36	4	1	76.5 ± 13.0	(89.5 - 63.5)
	5 -	31		31		
	TOTAL	44	10	3	31	
ss/ai	0 - 1	125	2	4	98.4 ± 2.3	(100.7 - 96.1)
	1 - 2	119	4	2	95.0 ± 3.9	(99.0 - 91.1)
	2 - 3	113	9	4	87.3 ± 6.1	(93.5 - 81.2)
	3 - 4	100	9	3	79.4 ± 7.5	(86.9 - 71.8)
	4 - 5	88	6	0	73.9 ± 8.2	(82.1 - 65.7)
	5 -	82		82		
	TOTAL	125	30	13	82	
s/a2	0 - 1	193	17	4	91.1 ± 4.1	(95.2 - 87.0)
	1 - 2	172	17	1	82.1 ± 5.6	(87.6 - 76.5)
	2 - 3	154	21	3	70.8 ± 6.6	(77.4 - 64.1)
	3 - 4	130	8	3	66.4 ± 6.9	(73.3 - 59.4)
	4 - 5	119	6	8	62.9 ± 7.1	(70.0 - 55.8)
	5 -	105		105		
	TOTAL	193	69	19	105	
si/ai	0 - 1	35	5	0	85.7 ± 11.8	(97.5 - 73.9)
	1 - 2	30	5	0	71.4 ± 15.3	(86.7 - 56.2)
	2 - 3	25	6	1	53.9 ± 16.9	(70.9 - 37.0)
	3 - 4	18	3	0	44.9 ± 17.0	(61.9 - 27.9)
	4 - 5	15	0	1	44.9 ± 17.0	(61.9 - 27.9)
	5 -	14		14		
	TOTAL	35	19	2	14	

25-8 n2, H0, P0, M(−) by histological depth of invasion

Rectum, adenocarcinoma

	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
m	0 - 1	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	1 - 2	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	2 - 3	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	3 - 4	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	4 - 5	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	5 -	0		0		
	TOTAL	0	0	0		
sm	0 - 1	2	0	0	100.0 ± 0.0	(100.0 - 100.0)
	1 - 2	2	0	0	100.0 ± 0.0	(100.0 - 100.0)
	2 - 3	2	0	0	100.0 ± 0.0	(100.0 - 100.0)
	3 - 4	2	1	0	50.0 ± 70.7	(120.7 --20.7)
	4 - 5	1	0	0	50.0 ± 70.7	(120.7 --20.7)
	5 -	1		1		
	TOTAL	2	1	0	1	
pm	0 - 1	18	1	0	94.4 ± 10.8	(105.2 - 83.6)
	1 - 2	17	2	1	83.0 ± 17.9	(100.9 - 65.1)
	2 - 3	14	2	0	71.1 ± 21.8	(93.0 - 49.3)
	3 - 4	12	0	1	71.1 ± 21.8	(93.0 - 49.3)
	4 - 5	11	1	1	64.4 ± 23.6	(87.9 - 40.8)
	5 -	9		9		
	TOTAL	18	6	3	9	
ss/a1	0 - 1	61	7	1	88.4 ± 8.2	(96.7 - 80.2)
	1 - 2	53	7	0	76.8 ± 10.9	(87.6 - 65.9)
	2 - 3	46	6	2	66.5 ± 12.2	(78.7 - 54.3)
	3 - 4	38	5	2	57.5 ± 13.0	(70.5 - 44.6)
	4 - 5	31	3	1	51.9 ± 13.2	(65.1 - 38.6)
	5 -	27		27		
	TOTAL	61	28	6	27	
s/a2	0 - 1	105	9	2	91.3 ± 5.5	(96.9 - 85.8)
	1 - 2	94	11	0	80.7 ± 7.8	(88.4 - 72.9)
	2 - 3	83	17	3	63.8 ± 9.5	(73.3 - 54.3)
	3 - 4	63	8	2	55.6 ± 9.9	(65.5 - 45.7)
	4 - 5	53	5	3	50.2 ± 10.1	(60.3 - 40.1)
	5 -	45		45		
	TOTAL	105	50	10	45	
si/ai	0 - 1	28	7	0	75.0 ± 16.4	(91.4 - 58.6)
	1 - 2	21	9	1	42.1 ± 18.8	(60.9 - 23.2)
	2 - 3	11	4	0	26.8 ± 17.1	(43.9 - 9.7)
	3 - 4	7	3	0	15.3 ± 14.0	(29.3 - 1.3)
	4 - 5	4	0	0	15.3 ± 14.0	(29.3 - 1.3)
	5 -	4		4		
	TOTAL	28	23	1	4	

25-9 n3, H0, P0, M(−) by histological depth of invasion

Rectum, adenocarcinoma

	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
m	0 - 1	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	1 - 2	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	2 - 3	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	3 - 4	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	4 - 5	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	5 -	0		0		
	TOTAL	0	0	0		
sm	0 - 1	2	2	0	0.0 ± 0.0	(0.0 - 0.0)
	1 - 2	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	2 - 3	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	3 - 4	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	4 - 5	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	5 -	0		0		
	TOTAL	2	2	0	0	
pm	0 - 1	3	0	0	100.0 ± 0.0	(100.0 - 100.0)
	1 - 2	3	0	0	100.0 ± 0.0	(100.0 - 100.0)
	2 - 3	3	0	0	100.0 ± 0.0	(100.0 - 100.0)
	3 - 4	3	0	0	100.0 ± 0.0	(100.0 - 100.0)
	4 - 5	3	0	0	100.0 ± 0.0	(100.0 - 100.0)
	5 -	3		3		
	TOTAL	3	0	0	3	
ss/ai	0 - 1	10	0	1	100.0 ± 0.0	(100.0 - 100.0)
	1 - 2	9	2	0	77.8 ± 27.7	(105.5 - 50.1)
	2 - 3	7	2	0	55.6 ± 33.1	(88.7 - 22.4)
	3 - 4	5	0	0	55.6 ± 33.1	(88.7 - 22.4)
	4 - 5	5	1	0	44.4 ± 33.1	(77.6 - 11.3)
	5 -	4		4		
	TOTAL	10	5	1	4	
s/a2	0 - 1	23	3	0	87.0 ± 14.0	(101.0 - 72.9)
	1 - 2	20	6	0	60.9 ± 20.4	(81.2 - 40.5)
	2 - 3	14	5	0	39.1 ± 20.4	(59.5 - 18.8)
	3 - 4	9	1	0	34.8 ± 19.9	(54.6 - 14.9)
	4 - 5	8	2	0	26.1 ± 18.3	(44.4 - 7.8)
	5 -	6		6		
	TOTAL	23	17	0	6	
si/ai	0 - 1	14	4	2	69.2 ± 25.6	(94.8 - 43.6)
	1 - 2	8	2	0	51.0 ± 28.6	(80.5 - 23.3)
	2 - 3	6	4	0	17.3 ± 22.1	(39.5 - 4.8)
	3 - 4	2	0	1	17.3 ± 22.1	(39.5 - 4.8)
	4 - 5	1	0	0	17.3 ± 22.1	(39.5 - 4.8)
	5 -	1		1		
	TOTAL	14	10	3	1	

25-10 n4, H0, P0, M(−) by histological depth of invasion

Rectum, adenocarcinoma

	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
m	0 - 1	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	1 - 2	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	2 - 3	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	3 - 4	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	4 - 5	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	5 -	0		0		
	TOTAL	0	0	0		
SM	0 - 1	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	1 - 2	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	2 - 3	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	3 - 4	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	4 - 5	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	5 -	0		0		
	TOTAL	0	0	0		
pm	0 - 1	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	1 - 2	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	2 - 3	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	3 - 4	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	4 - 5	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	5 -	0		0		
	TOTAL	0	0	0		
ss/ai	0 - 1	6	2	0	66.7 ± 38.5	(105.2 - 28.2)
	1 - 2	4	0	0	66.7 ± 38.5	(105.2 - 28.2)
	2 - 3	4	1	0	50.0 ± 40.8	(90.8 - 9.2)
	3 - 4	3	1	0	33.3 ± 38.5	(71.8 - -5.2)
	4 - 5	2	0	0	33.3 ± 38.5	(71.8 - -5.2)
	5 -	2		2		
	TOTAL	6	4	0		
s/a2	0 - 1	15	4	0	73.3 ± 22.8	(96.2 - 50.5)
	1 - 2	11	5	1	38.4 ± 25.6	(64.0 - 12.8)
	2 - 3	5	2	0	23.0 ± 22.8	(45.8 - 0.3)
	3 - 4	3	2	0	7.7 ± 14.7	(22.3 - -7.0)
	4 - 5	1	0	0	7.7 ± 14.7	(22.3 - -7.0)
	5 -	1		1		
	TOTAL	15	13	1		
si/ai	0 - 1	6	2	0	66.7 ± 38.5	(105.2 - 28.2)
	1 - 2	4	3	0	16.7 ± 30.4	(47.1 --13.8)
	2 - 3	1	0	0	16.7 ± 30.4	(47.1 --13.8)
	3 - 4	1	0	0	16.7 ± 30.4	(47.1 --13.8)
	4 - 5	1	0	0	16.7 ± 30.4	(47.1 --13.8)
	5 -	1		1		
	TOTAL	6	5	0		

26-1 Clinical stage classification of JSCCR

Colon, adenocarcinoma

I	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLOW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	381	5	22	98.6 ± 1.2	(99.8 - 97.4)
	1 - 2	354	6	10	97.0 ± 1.8	(98.8 - 95.1)
	2 - 3	338	5	12	95.5 ± 2.2	(97.7 - 93.3)
	3 - 4	321	11	5	92.2 ± 2.9	(95.1 - 89.3)
	4 - 5	305	11	21	88.8 ± 3.4	(92.2 - 85.3)
	5 -	273		273		
	TOTAL	381	38	70	273	

II	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLOW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	445	14	25	96.8 ± 1.7	(98.5 - 95.1)
	1 - 2	406	15	12	93.1 ± 2.5	(95.6 - 90.7)
	2 - 3	379	17	11	88.9 ± 3.1	(92.0 - 85.8)
	3 - 4	351	11	9	86.1 ± 3.4	(89.5 - 82.6)
	4 - 5	331	12	17	82.9 ± 3.8	(86.6 - 79.1)
	5 -	302		302		
	TOTAL	445	69	74	302	

III	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLOW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	708	23	35	96.7 ± 1.4	(98.0 - 95.3)
	1 - 2	650	41	15	90.5 ± 2.3	(92.8 - 88.2)
	2 - 3	594	35	20	85.1 ± 2.8	(87.8 - 82.3)
	3 - 4	539	32	27	79.9 ± 3.1	(83.0 - 76.7)
	4 - 5	480	30	31	74.7 ± 3.5	(78.2 - 71.3)
	5 -	419		419		
	TOTAL	708	161	128	419	

IV	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLOW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	525	39	17	92.4 ± 2.3	(94.8 - 90.1)
	1 - 2	469	36	18	85.2 ± 3.2	(88.4 - 82.1)
	2 - 3	415	41	10	76.7 ± 3.8	(80.5 - 72.9)
	3 - 4	364	23	12	71.8 ± 4.1	(75.8 - 67.7)
	4 - 5	329	24	26	66.3 ± 4.3	(70.6 - 62.0)
	5 -	279		279		
	TOTAL	525	163	83	279	

V	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLOW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	468	192	22	58.0 ± 4.6	(62.6 - 53.4)
	1 - 2	254	108	8	32.9 ± 4.5	(37.4 - 28.5)
	2 - 3	138	41	3	23.0 ± 4.1	(27.1 - 19.0)
	3 - 4	94	23	2	17.3 ± 3.7	(21.0 - 13.7)
	4 - 5	69	6	5	15.8 ± 3.6	(19.3 - 12.2)
	5 -	58		58		
	TOTAL	468	370	40	58	

26-2 Clinical stage classification of JSCCR

Rectum, adenocarcinoma

I	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	428	15	13	0	96.4 ± 1.8 (98.2 - 94.6)
	1 - 2	400	9	7	0	94.3 ± 2.3 (96.5 - 92.0)
	2 - 3	384	8	9	0	92.3 ± 2.6 (94.9 - 89.6)
	3 - 4	367	8	14	0	90.2 ± 2.9 (93.2 - 87.3)
	4 - 5	345	7	14	0	88.3 ± 3.2 (91.5 - 85.1)
	5 -	324			324	
	TOTAL	428	47	57	324	

II	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	458	20	14	0	95.6 ± 1.9 (97.5 - 93.6)
	1 - 2	424	12	8	0	92.8 ± 2.4 (95.3 - 90.4)
	2 - 3	404	13	10	0	89.8 ± 2.9 (92.7 - 86.9)
	3 - 4	381	19	12	0	85.3 ± 3.4 (88.7 - 81.9)
	4 - 5	350	21	20	0	80.0 ± 3.9 (83.9 - 76.1)
	5 -	309			309	
	TOTAL	458	85	64	309	

III	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	592	34	20	0	94.2 ± 1.9 (96.1 - 92.2)
	1 - 2	538	38	7	0	87.5 ± 2.8 (90.2 - 84.7)
	2 - 3	493	39	11	0	80.5 ± 3.3 (83.8 - 77.1)
	3 - 4	443	27	13	0	75.5 ± 3.6 (79.1 - 71.9)
	4 - 5	403	22	15	0	71.3 ± 3.8 (75.1 - 67.4)
	5 -	366			366	
	TOTAL	592	160	66	366	

IV	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	331	42	8	0	87.2 ± 3.7 (90.9 - 83.5)
	1 - 2	281	45	6	0	73.0 ± 4.9 (78.0 - 68.1)
	2 - 3	230	47	4	0	58.0 ± 5.5 (63.5 - 52.4)
	3 - 4	179	16	5	0	52.7 ± 5.6 (58.4 - 47.1)
	4 - 5	158	11	5	0	49.0 ± 5.7 (54.7 - 43.3)
	5 -	142			142	
	TOTAL	331	161	28	142	

V	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	302	107	15	0	63.7 ± 5.6 (69.3 - 58.1)
	1 - 2	180	84	5	0	33.5 ± 5.6 (39.1 - 27.9)
	2 - 3	91	30	3	0	22.3 ± 5.0 (27.3 - 17.3)
	3 - 4	58	15	2	0	16.4 ± 4.5 (20.9 - 11.9)
	4 - 5	41	7	0	0	13.6 ± 4.2 (17.8 - 9.4)
	5 -	34			34	
	TOTAL	302	243	25	34	

26-3 Histological stage classification of JSCCR

Colon, adenocarcinoma

I	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	457	9	27	0	98.0 ± 1.3 (99.3 - 96.6)
	1 - 2	421	6	8	0	96.6 ± 1.7 (98.3 - 94.8)
	2 - 3	407	8	13	0	94.6 ± 2.2 (96.8 - 92.5)
	3 - 4	386	11	7	0	91.9 ± 2.7 (94.6 - 89.2)
	4 - 5	368	10	27	0	89.3 ± 3.1 (92.4 - 86.3)
	5 -	331			331	
	TOTAL	457	44	82	331	

II	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	867	30	43	0	96.5 ± 1.3 (97.7 - 95.2)
	1 - 2	794	16	27	0	94.5 ± 1.6 (96.1 - 92.9)
	2 - 3	751	32	26	0	90.4 ± 2.1 (92.5 - 88.3)
	3 - 4	693	27	23	0	86.8 ± 2.4 (89.2 - 84.4)
	4 - 5	643	24	36	0	83.5 ± 2.7 (86.1 - 80.8)
	5 -	583			583	
	TOTAL	867	129	155	583	

III	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	500	19	22	0	96.1 ± 1.7 (97.9 - 94.4)
	1 - 2	459	39	11	0	87.8 ± 3.0 (90.8 - 84.9)
	2 - 3	409	31	9	0	81.1 ± 3.6 (84.7 - 77.5)
	3 - 4	369	25	15	0	75.5 ± 4.0 (79.5 - 71.5)
	4 - 5	329	31	23	0	68.1 ± 4.4 (72.5 - 63.7)
	5 -	275			275	
	TOTAL	500	145	80	275	

IV	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	262	29	9	0	88.7 ± 3.9 (92.7 - 84.8)
	1 - 2	224	38	6	0	73.5 ± 5.6 (79.0 - 67.9)
	2 - 3	180	26	6	0	62.7 ± 6.1 (68.8 - 56.5)
	3 - 4	148	14	7	0	56.6 ± 6.4 (63.0 - 50.3)
	4 - 5	127	11	12	0	51.5 ± 6.5 (58.0 - 45.0)
	5 -	104			104	
	TOTAL	262	118	40	104	

V	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	428	161	20	0	61.5 ± 4.8 (66.2 - 56.7)
	1 - 2	247	103	8	0	35.4 ± 4.8 (40.2 - 30.7)
	2 - 3	136	40	4	0	24.8 ± 4.4 (29.2 - 20.5)
	3 - 4	92	21	4	0	19.1 ± 4.0 (23.1 - 15.0)
	4 - 5	67	8	5	0	16.7 ± 3.8 (20.5 - 12.8)
	5 -	54			54	
	TOTAL	428	333	41	54	

26-4 Histological stage classification of JSCCR

Rectum, adenocarcinoma

I	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	407	13	16	96.7 ± 1.8	(98.5 - 95.0)
	1 - 2	378	5	7	95.5 ± 2.1	(97.5 - 93.4)
	2 - 3	366	9	9	93.1 ± 2.6	(95.6 - 90.5)
	3 - 4	348	5	12	91.7 ± 2.8	(94.5 - 88.9)
	4 - 5	331	5	10	90.3 ± 3.0	(93.3 - 87.3)
	5 -	316		316		
	TOTAL	407	37	54	316	

II	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	623	27	20	95.6 ± 1.7	(97.3 - 93.9)
	1 - 2	576	17	12	92.7 ± 2.1	(94.8 - 90.6)
	2 - 3	547	18	9	89.7 ± 2.5	(92.2 - 87.2)
	3 - 4	520	20	17	86.2 ± 2.8	(89.0 - 83.3)
	4 - 5	483	27	23	81.2 ± 3.3	(84.5 - 78.0)
	5 -	433		433		
	TOTAL	623	108	81	433	

III	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	500	35	12	92.9 ± 2.3	(95.2 - 90.6)
	1 - 2	453	38	5	84.9 ± 3.2	(88.1 - 81.6)
	2 - 3	409	44	12	75.6 ± 3.9	(79.5 - 71.7)
	3 - 4	353	28	9	69.5 ± 4.2	(73.7 - 65.3)
	4 - 5	316	17	13	65.7 ± 4.4	(70.1 - 61.3)
	5 -	286		286		
	TOTAL	500	163	51	286	

IV	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	267	33	6	87.5 ± 4.1	(91.6 - 83.4)
	1 - 2	228	39	2	72.5 ± 5.5	(78.0 - 66.9)
	2 - 3	187	40	5	56.8 ± 6.2	(62.9 - 50.6)
	3 - 4	142	18	6	49.4 ± 6.3	(55.7 - 43.1)
	4 - 5	118	12	5	44.3 ± 6.3	(50.6 - 38.0)
	5 -	101		101		
	TOTAL	267	142	24	101	

V	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	289	103	12	63.6 ± 5.7	(69.3 - 57.9)
	1 - 2	174	85	3	32.3 ± 5.6	(37.9 - 26.6)
	2 - 3	86	28	3	21.6 ± 5.0	(26.6 - 16.6)
	3 - 4	55	16	2	15.2 ± 4.4	(19.6 - 10.7)
	4 - 5	37	6	0	12.7 ± 4.1	(16.9 - 8.6)
	5 -	31		31		
	TOTAL	289	238	20	31	

27-1 Curative resection by Dukes classification

Colon, adenocarcinoma

Dukes A

YEAR OF OBSERVAT	ALIVE AT BEGINNING	DIED IN INTERVAL	LOST TO FOLLOW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R ± 2SE	GREENWOOD'S 5% STD ERROR
0 - 1	451	8	27	0	98.2 ± 1.3	(99.5 - 96.9)
1 - 2	416	6	8	0	96.7 ± 1.7	(98.5 - 95.0)
2 - 3	402	8	13	0	94.8 ± 2.2	(97.0 - 92.6)
3 - 4	381	11	7	0	92.0 ± 2.7	(94.7 - 89.4)
4 - 5	363	10	25	0	89.4 ± 3.1	(92.5 - 86.3)
5 -	328			328		
TOTAL	451	43	80	328		

Dukes B

YEAR OF OBSERVAT	ALIVE AT BEGINNING	DIED IN INTERVAL	LOST TO FOLLOW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R ± 2SE	GREENWOOD'S 5% STD ERROR
0 - 1	800	31	43	0	96.5 ± 1.2	(97.7 - 95.2)
1 - 2	826	14	28	0	94.8 ± 1.5	(96.3 - 93.3)
2 - 3	784	33	27	0	90.7 ± 2.0	(92.7 - 88.7)
3 - 4	724	29	23	0	87.1 ± 2.3	(89.4 - 84.7)
4 - 5	672	25	35	0	83.7 ± 2.6	(86.3 - 81.1)
5 -	612			612		
TOTAL	900	132	156	612		

Dukes C

YEAR OF OBSERVAT	ALIVE AT BEGINNING	DIED IN INTERVAL	LOST TO FOLLOW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R ± 2SE	GREENWOOD'S 5% STD ERROR
0 - 1	640	27	20	0	95.7 ± 1.6	(97.3 - 94.1)
1 - 2	593	67	14	0	84.8 ± 2.9	(87.7 - 81.9)
2 - 3	512	49	14	0	76.5 ± 3.4	(80.0 - 73.1)
3 - 4	449	31	21	0	71.1 ± 3.7	(74.8 - 67.4)
4 - 5	397	36	33	0	64.4 ± 4.0	(68.4 - 60.4)
5 -	328			328		
TOTAL	640	210	102	328		

27-2 Non-curative resection by Dukes classification

Colon, adenocarcinoma

Dukes A

YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
0 - 1	4	3	0	25.0 ± 43.3	(68.3 --18.3)
1 - 2	1	0	0	25.0 ± 43.3	(68.3 --18.3)
2 - 3	1	0	0	25.0 ± 43.3	(68.3 --18.3)
3 - 4	1	0	0	25.0 ± 43.3	(68.3 --18.3)
4 - 5	1	0	0	25.0 ± 43.3	(68.3 --18.3)
5 -	1		1		
TOTAL	4	3	0	1	

Dukes B

YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
0 - 1	132	37	10	0	70.9 ± 8.1 (78.9 - 62.8)
1 - 2	85	15	3	0	58.1 ± 8.9 (67.0 - 49.2)
2 - 3	67	14	2	0	45.8 ± 9.1 (54.9 - 36.7)
3 - 4	51	9	3	0	37.5 ± 9.0 (46.5 - 28.5)
4 - 5	39	8	2	0	29.6 ± 8.7 (38.3 - 20.9)
5 -	29		29		
TOTAL	132	83	20	29	

Dukes C

YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
0 - 1	386	152	22	0	59.5 ± 5.1 (64.5 - 54.4)
1 - 2	212	105	6	0	29.6 ± 4.8 (34.4 - 24.8)
2 - 3	101	33	3	0	19.8 ± 4.3 (24.0 - 15.5)
3 - 4	65	19	2	0	13.9 ± 3.8 (17.7 - 10.2)
4 - 5	44	3	4	0	12.9 ± 3.7 (16.6 - 9.3)
5 -	37		37		
TOTAL	386	312	37	37	

27-3 Curative resection by Dukes classification

Rectum, adenocarcinoma

Dukes A

YEAR OF OBSERVAT	ALIVE AT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
0 - 1	532	16	20	0	96.9 ± 1.5	(98.4 - 95.4)
1 - 2	496	7	9	0	95.6 ± 1.8	(97.4 - 93.7)
2 - 3	480	7	10	0	94.1 ± 2.1	(96.2 - 92.1)
3 - 4	463	7	14	0	92.7 ± 2.3	(95.0 - 90.4)
4 - 5	442	12	17	0	90.1 ± 2.7	(92.8 - 87.5)
5 -	413			413		
TOTAL	532	49	70	413		

Dukes B

YEAR OF OBSERVAT	ALIVE AT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
0 - 1	578	28	21	0	95.1 ± 1.8	(96.9 - 93.2)
1 - 2	529	19	11	0	91.6 ± 2.3	(94.0 - 89.3)
2 - 3	499	26	10	0	86.8 ± 2.9	(89.7 - 83.9)
3 - 4	463	25	14	0	82.0 ± 3.3	(85.3 - 78.7)
4 - 5	424	21	23	0	77.9 ± 3.6	(81.5 - 74.3)
5 -	380			380		
TOTAL	578	119	79	380		

Dukes C

YEAR OF OBSERVAT	ALIVE AT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
0 - 1	624	49	10	0	92.1 ± 2.2	(94.3 - 89.9)
1 - 2	565	57	3	0	82.8 ± 3.0	(85.8 - 79.7)
2 - 3	505	64	16	0	72.1 ± 3.6	(75.7 - 68.5)
3 - 4	425	43	11	0	64.7 ± 3.9	(68.6 - 60.8)
4 - 5	371	23	15	0	60.6 ± 4.0	(64.6 - 56.6)
5 -	333			333		
TOTAL	624	236	55	333		

27-4 Non-curative resection by Dukes classification

Rectum, adenocarcinoma

Dukes A

YEAR OF OBSERVAT	ALIVE AT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
0 - 1	9	1	0	0	88.9 ± 21.0	(109.8 - 67.9)
1 - 2	8	0	0	0	88.9 ± 21.0	(109.8 - 67.9)
2 - 3	8	1	0	0	77.8 ± 27.7	(105.5 - 50.1)
3 - 4	7	1	1	0	65.8 ± 32.2	(98.0 - 33.6)
4 - 5	5	0	0	0	65.8 ± 32.2	(98.0 - 33.6)
5 -	5			5		
TOTAL	9	3	1	5		

Dukes B

YEAR OF OBSERVAT	ALIVE AT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
0 - 1	77	17	4	0	77.3 ± 9.7	(87.0 - 67.7)
1 - 2	56	18	1	0	52.3 ± 11.7	(64.0 - 40.5)
2 - 3	37	9	3	0	39.0 ± 11.6	(50.6 - 27.4)
3 - 4	25	3	1	0	34.2 ± 11.4	(45.6 - 22.8)
4 - 5	21	1	1	0	32.6 ± 11.3	(43.9 - 21.2)
5 -	19			19		
TOTAL	77	48	10	19		

Dukes C

YEAR OF OBSERVAT	ALIVE AT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
0 - 1	298	97	13	0	66.7 ± 5.5	(72.2 - 61.2)
1 - 2	188	87	6	0	35.3 ± 5.7	(41.0 - 29.6)
2 - 3	95	35	1	0	22.3 ± 5.0	(27.3 - 17.2)
3 - 4	59	13	1	0	17.3 ± 4.6	(21.9 - 12.7)
4 - 5	45	10	1	0	13.4 ± 4.2	(17.6 - 9.3)
5 -	34			34		
TOTAL	298	242	22	34		

28-1 Curative resection by Astler-Coller classification
Colon, adenocarcinoma

A	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	293	5	19	0	98.2 ± 1.6 (99.8 - 96.7)
	1 - 2	269	4	5	0	96.8 ± 2.1 (98.9 - 94.6)
	2 - 3	260	3	10	0	95.6 ± 2.5 (98.1 - 93.2)
	3 - 4	247	9	3	0	92.1 ± 3.3 (95.4 - 88.8)
	4 - 5	235	8	18	0	88.9 ± 3.9 (92.8 - 84.9)
	5 -	209			209	
	TOTAL	293	29	55	209	

B1	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	158	3	8	0	98.1 ± 2.2 (100.3 - 95.8)
	1 - 2	147	2	3	0	96.7 ± 2.9 (99.6 - 93.8)
	2 - 3	142	5	3	0	93.3 ± 4.1 (97.4 - 89.1)
	3 - 4	134	2	4	0	91.8 ± 4.5 (96.4 - 87.3)
	4 - 5	128	2	7	0	90.4 ± 4.9 (95.3 - 85.5)
	5 -	119			119	
	TOTAL	158	14	25	119	

B2	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	900	31	43	0	96.5 ± 1.2 (97.7 - 95.2)
	1 - 2	826	14	28	0	94.8 ± 1.5 (96.3 - 93.3)
	2 - 3	784	33	27	0	90.7 ± 2.0 (92.7 - 88.7)
	3 - 4	724	29	23	0	87.1 ± 2.3 (89.4 - 84.7)
	4 - 5	672	25	35	0	83.7 ± 2.6 (86.3 - 81.1)
	5 -	612			612	
	TOTAL	900	132	156	612	

C1	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	62	2	2	0	96.7 ± 4.6 (101.3 - 92.2)
	1 - 2	58	2	2	0	93.3 ± 6.4 (99.8 - 86.9)
	2 - 3	54	2	4	0	89.7 ± 8.0 (97.7 - 81.8)
	3 - 4	48	3	2	0	84.0 ± 9.8 (83.8 - 74.2)
	4 - 5	43	5	4	0	73.8 ± 12.2 (85.9 - 61.6)
	5 -	34			34	
	TOTAL	62	14	14	34	

C2	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	578	25	18	0	95.6 ± 1.7 (97.3 - 93.9)
	1 - 2	535	65	12	0	83.9 ± 3.1 (87.0 - 80.7)
	2 - 3	458	47	10	0	75.2 ± 3.7 (78.8 - 71.5)
	3 - 4	401	28	19	0	69.8 ± 3.9 (73.7 - 65.8)
	4 - 5	354	31	29	0	63.4 ± 4.2 (67.6 - 59.2)
	5 -	294			294	
	TOTAL	578	196	88	294	

28-2 Non-curative resection by Astler-Coller classification
 Colon, adenocarcinoma

A	YEAR OF ALIVE AT OBSERVAT	BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	0	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	1 - 2	0	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	2 - 3	0	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	3 - 4	0	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	4 - 5	0	0	0	0	0.0 ± 0.0	(0.0 - 0.0)
	5 -	0			0	0.0 ± 0.0	(0.0 - 0.0)
	TOTAL	0	0	0	0		

B1	YEAR OF ALIVE AT OBSERVAT	BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	4	3	0	0	25.0 ± 43.3	(68.3 --18.3)
	1 - 2	1	0	0	0	25.0 ± 43.3	(68.3 --18.3)
	2 - 3	1	0	0	0	25.0 ± 43.3	(68.3 --18.3)
	3 - 4	1	0	0	0	25.0 ± 43.3	(68.3 --18.3)
	4 - 5	1	0	0	0	25.0 ± 43.3	(68.3 --18.3)
	5 -	1			1	25.0 ± 43.3	(68.3 --18.3)
	TOTAL	4	3	0	1		

B2	YEAR OF ALIVE AT OBSERVAT	BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	132	37	10	0	70.9 ± 8.1	(78.9 - 62.8)
	1 - 2	85	15	3	0	58.1 ± 8.9	(67.0 - 49.2)
	2 - 3	67	14	2	0	45.8 ± 9.1	(54.9 - 36.7)
	3 - 4	51	9	3	0	37.5 ± 9.0	(46.5 - 28.5)
	4 - 5	39	8	2	0	29.6 ± 8.7	(38.3 - 20.9)
	5 -	29			29		
	TOTAL	132	83	20	29		

C1	YEAR OF ALIVE AT OBSERVAT	BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	4	1	0	0	75.0 ± 43.3	(118.3 - 31.7)
	1 - 2	3	0	0	0	75.0 ± 43.3	(118.3 - 31.7)
	2 - 3	3	2	0	0	25.0 ± 43.3	(68.3 --18.3)
	3 - 4	1	0	0	0	25.0 ± 43.3	(68.3 --18.3)
	4 - 5	1	0	0	0	25.0 ± 43.3	(68.3 --18.3)
	5 -	1			1	25.0 ± 43.3	(68.3 --18.3)
	TOTAL	4	3	0	1		

C2	YEAR OF ALIVE AT OBSERVAT	BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	382	151	22	0	59.3 ± 5.1	(64.4 - 54.2)
	1 - 2	209	105	6	0	29.1 ± 4.8	(33.9 - 24.2)
	2 - 3	98	31	3	0	19.7 ± 4.3	(24.0 - 15.4)
	3 - 4	64	19	2	0	13.8 ± 3.8	(17.5 - 10.0)
	4 - 5	43	3	4	0	12.8 ± 3.7	(16.4 - 9.1)
	5 -	36			36		
	TOTAL	382	309	37	36		

28-3 Curative resection by Astler-Coller classification

Rectum, adenocarcinoma

A	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	220	6	9	97.2 ± 2.2	(99.5 - 95.0)
	1 - 2	205	3	5	95.8 ± 2.8	(98.5 - 93.0)
	2 - 3	197	3	6	94.3 ± 3.2	(97.5 - 91.1)
	3 - 4	188	1	9	93.8 ± 3.3	(97.1 - 90.4)
	4 - 5	178	0	6	93.8 ± 3.3	(97.1 - 90.4)
	5 -	172		172		
	TOTAL	220	13	35	172	

B1	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	312	10	11	96.7 ± 2.0	(98.8 - 94.7)
	1 - 2	291	4	4	95.4 ± 2.4	(97.8 - 93.0)
	2 - 3	283	4	4	94.0 ± 2.7	(96.8 - 91.3)
	3 - 4	275	6	5	92.0 ± 3.1	(95.1 - 88.8)
	4 - 5	264	12	11	87.7 ± 3.8	(91.5 - 83.9)
	5 -	241		241		
	TOTAL	312	36	35	241	

B2	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	578	28	21	95.1 ± 1.8	(96.9 - 93.2)
	1 - 2	529	19	11	91.6 ± 2.3	(94.0 - 89.3)
	2 - 3	499	26	10	86.8 ± 2.9	(89.7 - 83.9)
	3 - 4	463	25	14	82.0 ± 3.3	(85.3 - 78.7)
	4 - 5	424	21	23	77.9 ± 3.6	(81.5 - 74.3)
	5 -	380		380		
	TOTAL	578	119	79	380	

C1	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	117	3	0	97.4 ± 2.8	(100.4 - 94.5)
	1 - 2	114	3	1	94.9 ± 4.1	(98.9 - 90.8)
	2 - 3	110	3	6	92.2 ± 5.0	(97.2 - 87.2)
	3 - 4	101	9	1	83.9 ± 6.9	(90.9 - 77.0)
	4 - 5	91	5	2	79.3 ± 7.7	(87.0 - 71.6)
	5 -	84		84		
	TOTAL	117	23	10	84	

C2	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R± 2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	507	46	10	90.8 ± 2.6	(93.4 - 88.3)
	1 - 2	451	54	2	79.9 ± 3.6	(83.5 - 76.3)
	2 - 3	395	61	10	67.4 ± 4.2	(71.7 - 63.2)
	3 - 4	324	34	10	60.2 ± 4.4	(64.7 - 55.8)
	4 - 5	280	18	13	56.3 ± 4.5	(60.8 - 51.8)
	5 -	249		249		
	TOTAL	507	213	45	249	

28-4 Non-curative resection by Astler-Coller classification

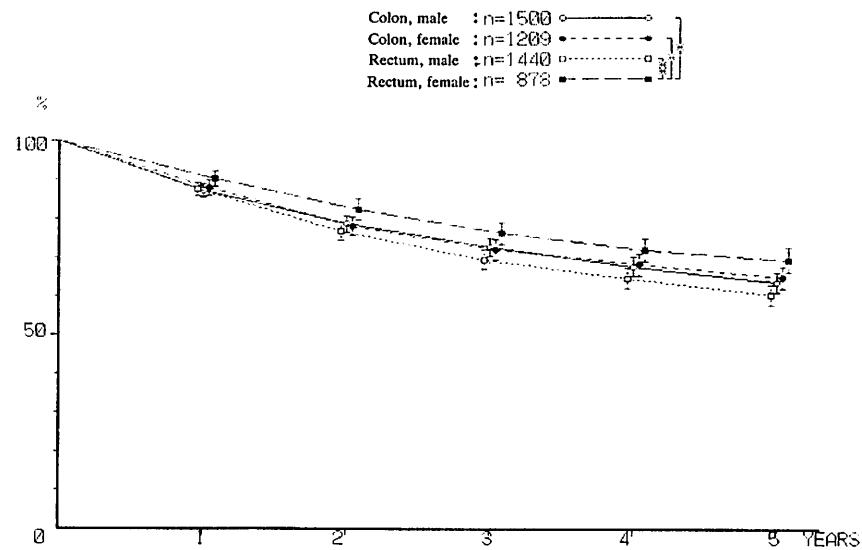
Rectum, adenocarcinoma

	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
A	0 - 1	4	1	0	75.0 ± 43.3	(118.3 - 31.7)
	1 - 2	3	0	0	75.0 ± 43.3	(118.3 - 31.7)
	2 - 3	3	0	0	75.0 ± 43.3	(118.3 - 31.7)
	3 - 4	3	1	0	50.0 ± 50.0	(100.0 - 0.0)
	4 - 5	2	0	0	50.0 ± 50.0	(100.0 - 0.0)
	5 -	2		2		
	TOTAL	4	2	0	2	
B1	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	5	0	0	100.0 ± 0.0	(100.0 - 100.0)
	1 - 2	5	0	0	100.0 ± 0.0	(100.0 - 100.0)
	2 - 3	5	1	0	80.0 ± 35.8	(115.8 - 44.2)
	3 - 4	4	0	1	80.0 ± 35.8	(115.8 - 44.2)
	4 - 5	3	0	0	80.0 ± 35.8	(115.8 - 44.2)
	5 -	3		3		
	TOTAL	5	1	1	3	
B2	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	77	17	4	77.3 ± 9.7	(87.0 - 67.7)
	1 - 2	56	18	1	52.3 ± 11.7	(64.0 - 40.5)
	2 - 3	37	9	3	39.0 ± 11.6	(50.6 - 27.4)
	3 - 4	25	3	1	34.2 ± 11.4	(45.6 - 22.8)
	4 - 5	21	1	1	32.6 ± 11.3	(43.9 - 21.2)
	5 -	19		19		
	TOTAL	77	48	10	19	
C1	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	10	4	0	60.0 ± 31.0	(91.0 - 29.0)
	1 - 2	6	1	0	50.0 ± 31.6	(81.6 - 18.4)
	2 - 3	5	2	0	30.0 ± 29.0	(59.0 - 1.0)
	3 - 4	3	0	0	30.0 ± 29.0	(59.0 - 1.0)
	4 - 5	3	0	0	30.0 ± 29.0	(59.0 - 1.0)
	5 -	3		3		
	TOTAL	10	7	0	3	
C2	YEAR OF ALIVE AT OBSERVAT BEGINNING	DIED IN INTERVAL	LOST TO FOLLW-UP	WITHDRAWN IN ALIVE	CUMULATIVE SURV.R±2SE	GREENWOOD'S 5% STD ERROR
	0 - 1	288	93	13	67.0 ± 5.6	(72.6 - 61.4)
	1 - 2	182	86	6	34.8 ± 5.8	(40.6 - 29.0)
	2 - 3	90	33	1	22.0 ± 5.1	(27.1 - 16.9)
	3 - 4	56	13	1	16.8 ± 4.6	(21.4 - 12.2)
	4 - 5	42	10	1	12.8 ± 4.2	(16.9 - 8.6)
	5 -	31		31		
	TOTAL	288	235	22	31	

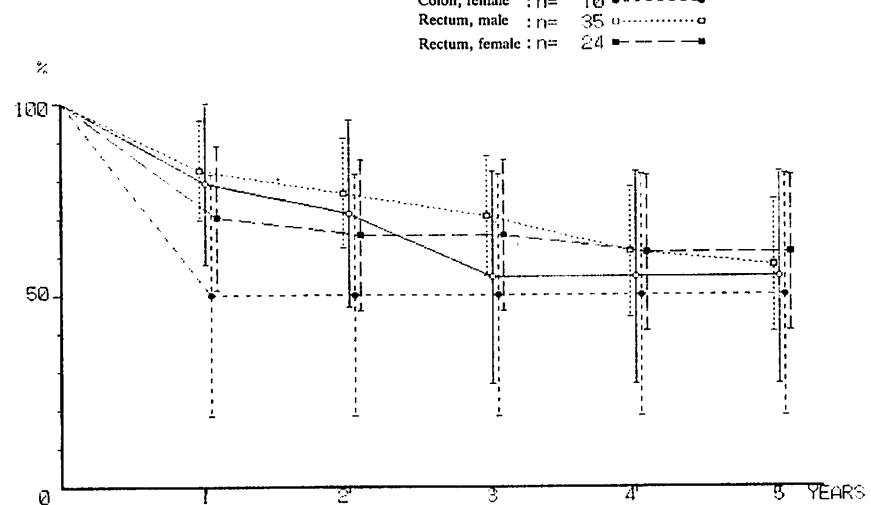
Appendix

Figures of life tables

15-1. Sex.
Adenocarcinoma.

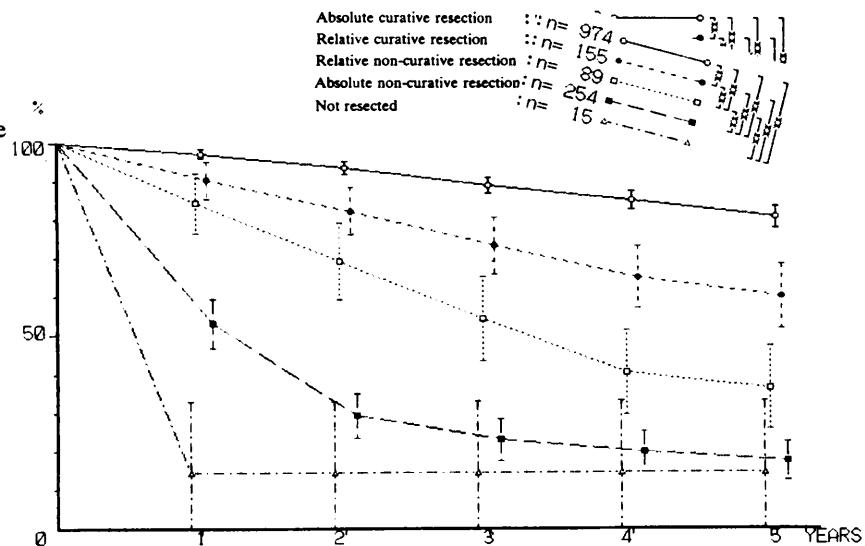


15-2. Sex.
Malignant neoplasms
other than
adenocarcinoma.

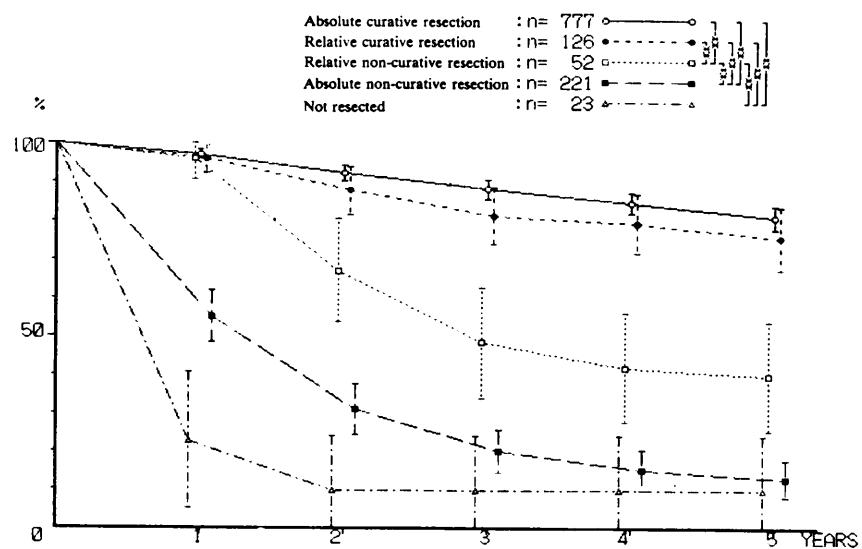


SURVIVAL RATE
* P=0.01 * P=0.05

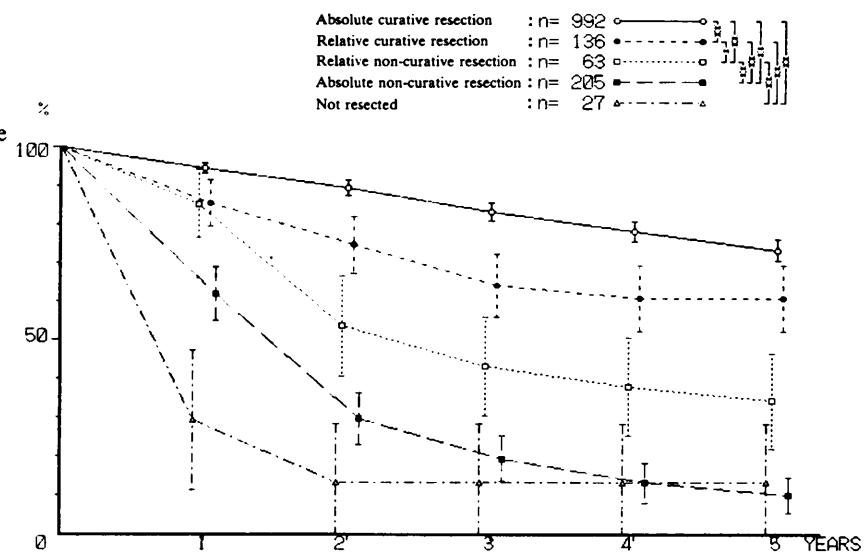
16-1 Macroscopic operative curability.
Colon, Male.



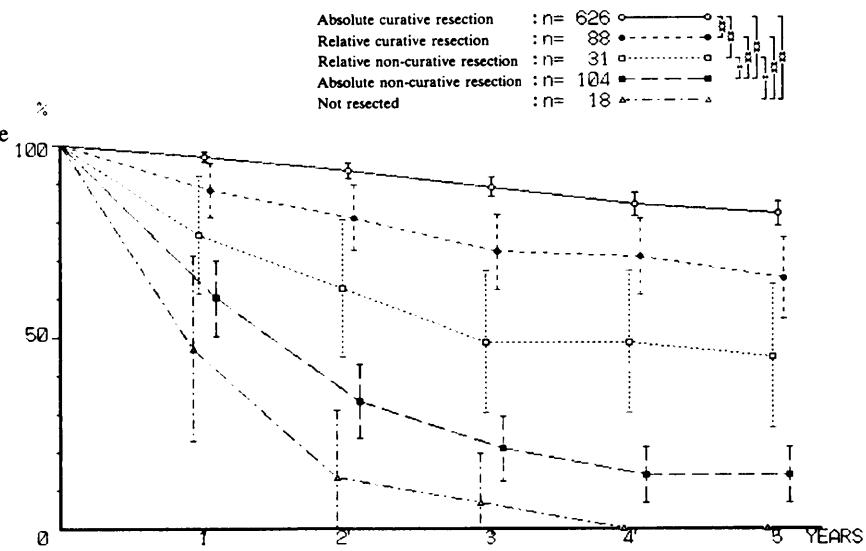
16-2 Macroscopic operative curability.
Colon, Female.



16-3 Macroscopic operative curability.
Rectum, Male.



16-4 Macroscopic operative curability.
Rectum, Female.

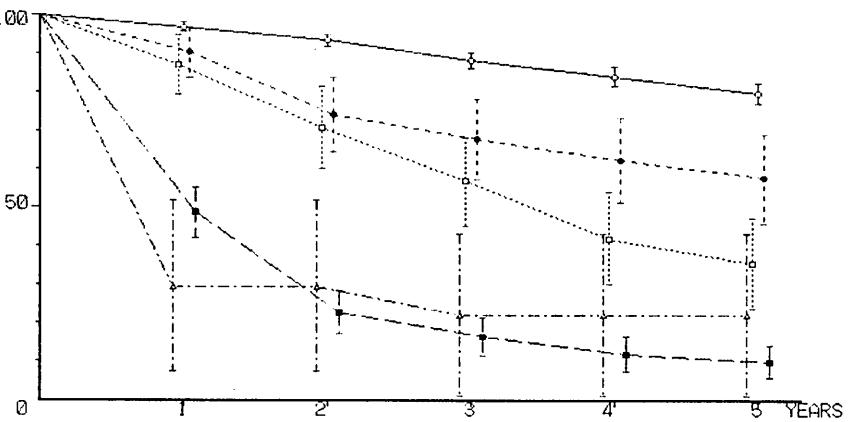


* P=0.01 * P=0.05

Absolute curative resection : n=1068
 Relative curative resection : n= 83
 Relative non-curative resection : n= 77
 Absolute non-curative resection : n= 241
 Not resected : n= 18

16-5 Histological operative curability.

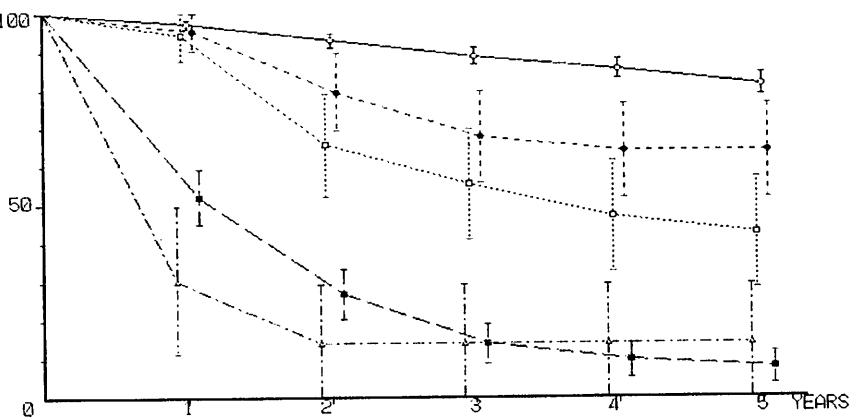
Colon, Male.



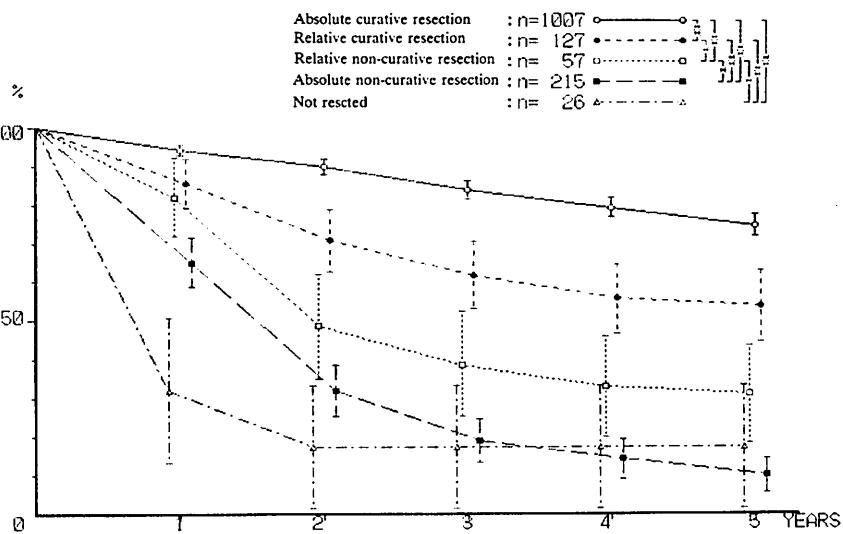
Absolute curative resection : n= 835
 Relative curative resection : n= 69
 Relative non-curative resection : n= 55
 Absolute non-curative resection : n= 210
 Not resected : n= 24

16-6 Histological operative curability.

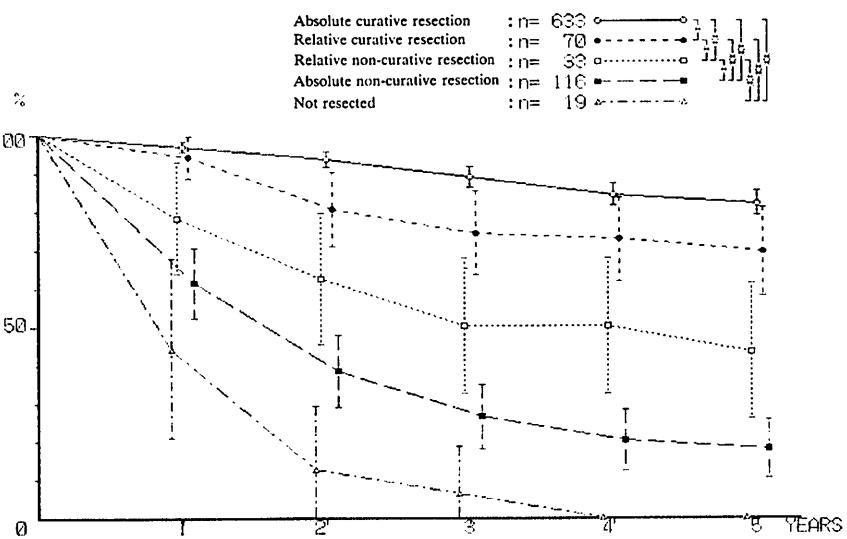
Colon, Female.



16-7 Histological operative curability.
Rectum, Male.

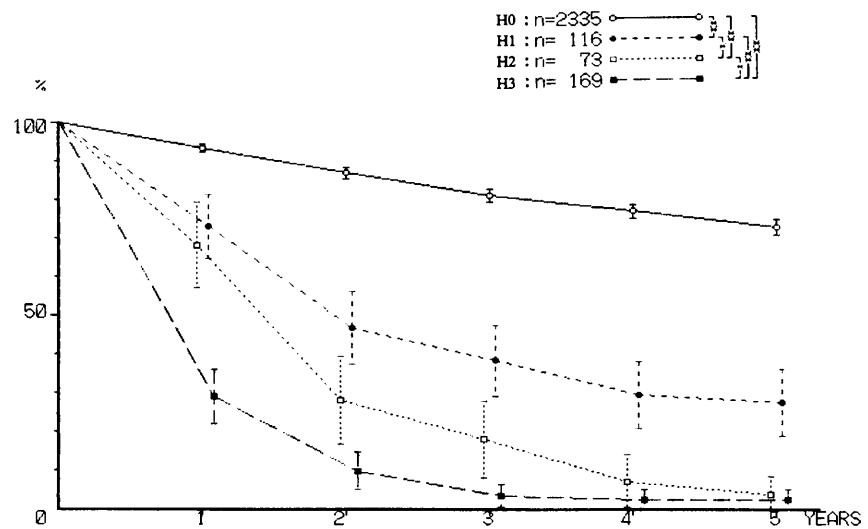


16-8 Histological operative curability.
Rectum, Female.

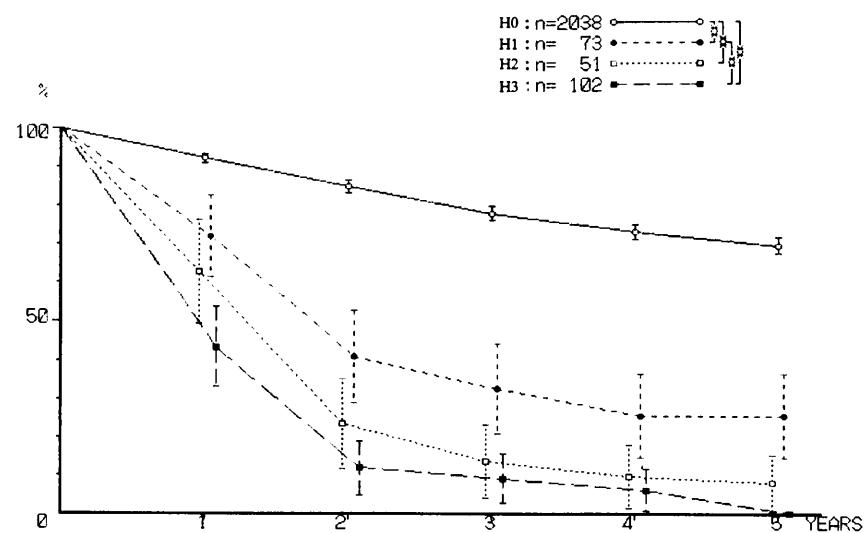


* P=0.01 * P=0.05

17-1 Hepatic metastasis.
Colon.

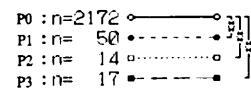
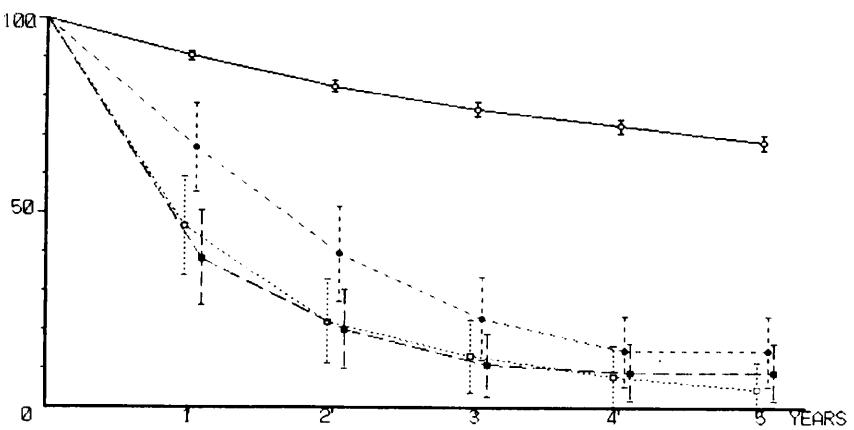


17-2 Hepatic metastasis.
Rectum.

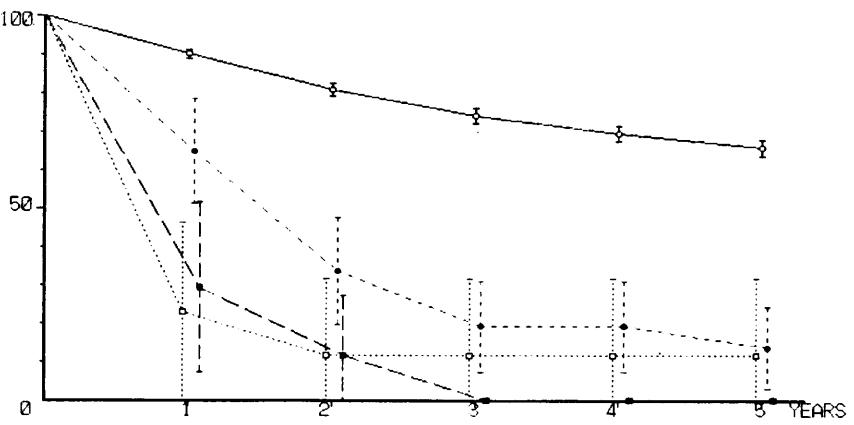




18-1 Peritoneal disseminating metastasis.
Colon.

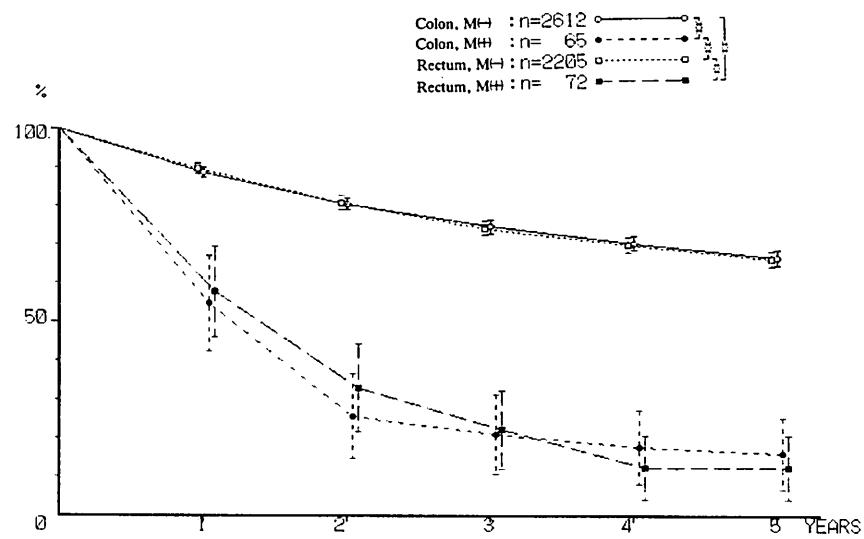


18-2 Peritoneal disseminating metastasis.
Rectum.

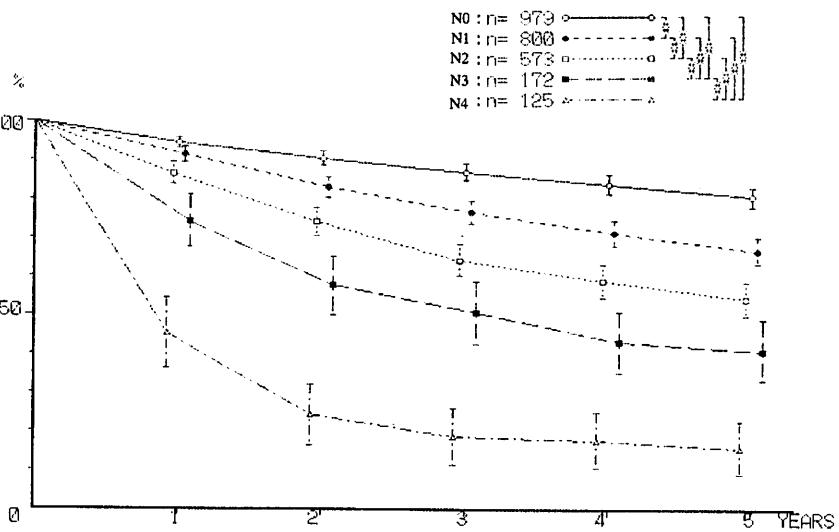


■ P=0.01 * P=0.05

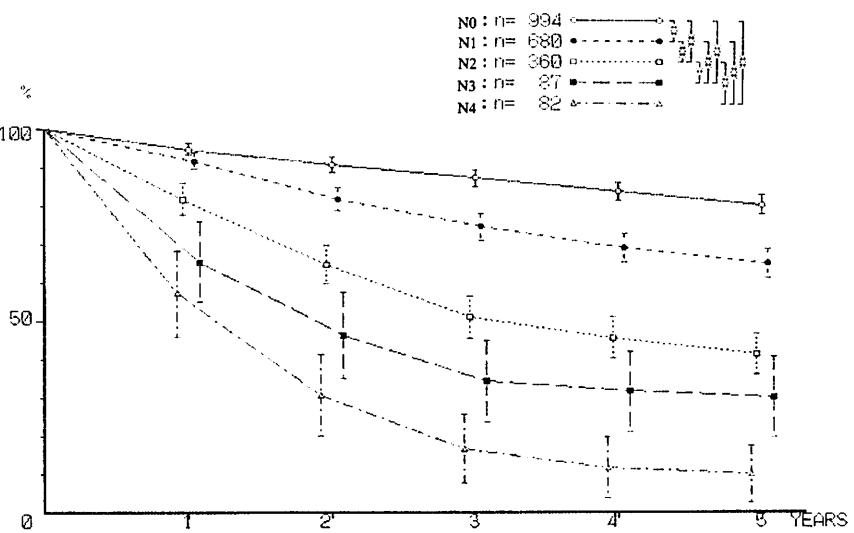
19-1, 2 Metastasis to remote organ.



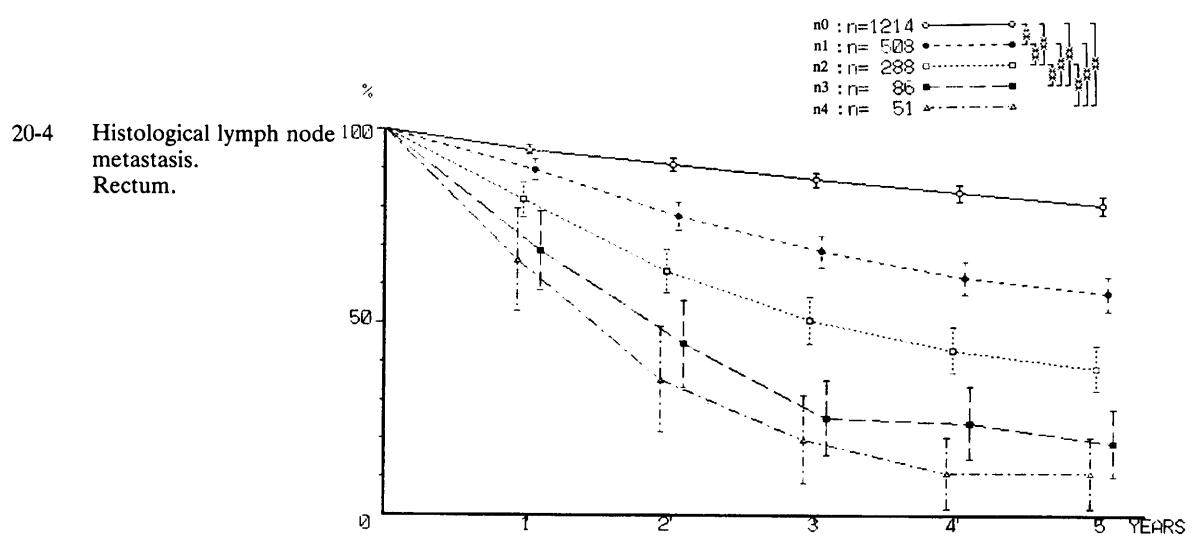
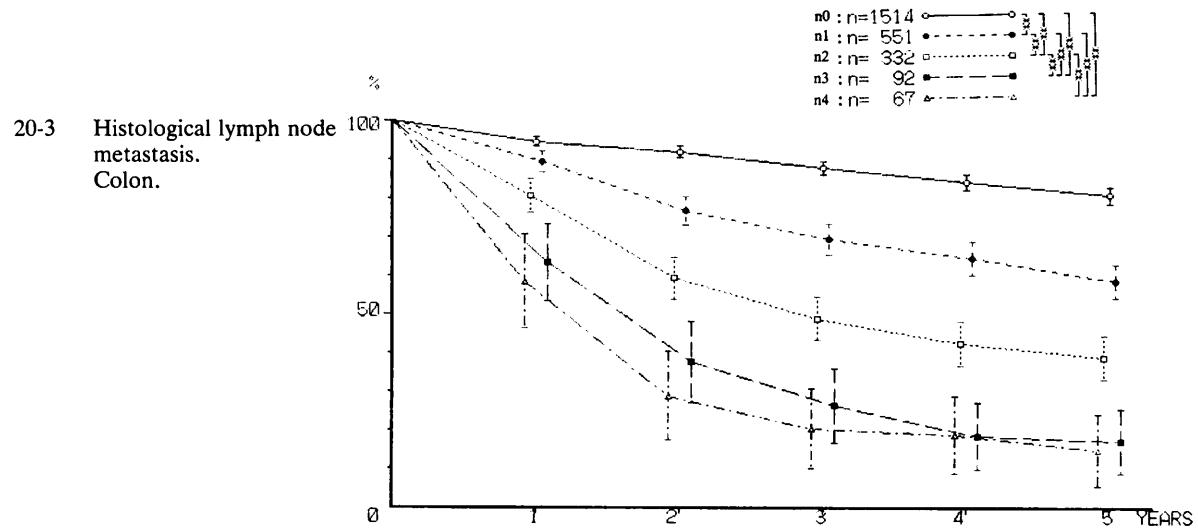
20-1 Macroscopic lymph node metastasis.
Colon.

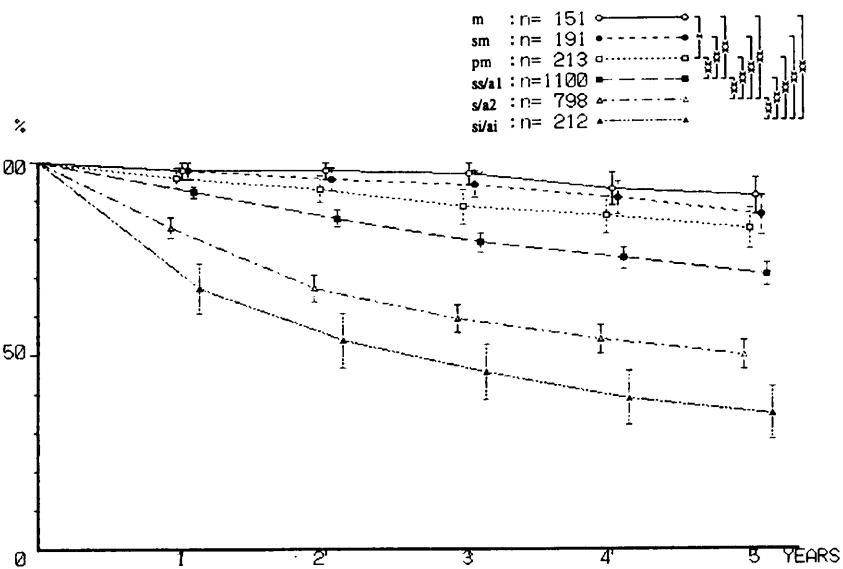


20-2 Macroscopic lymph node metastasis.
Rectum.

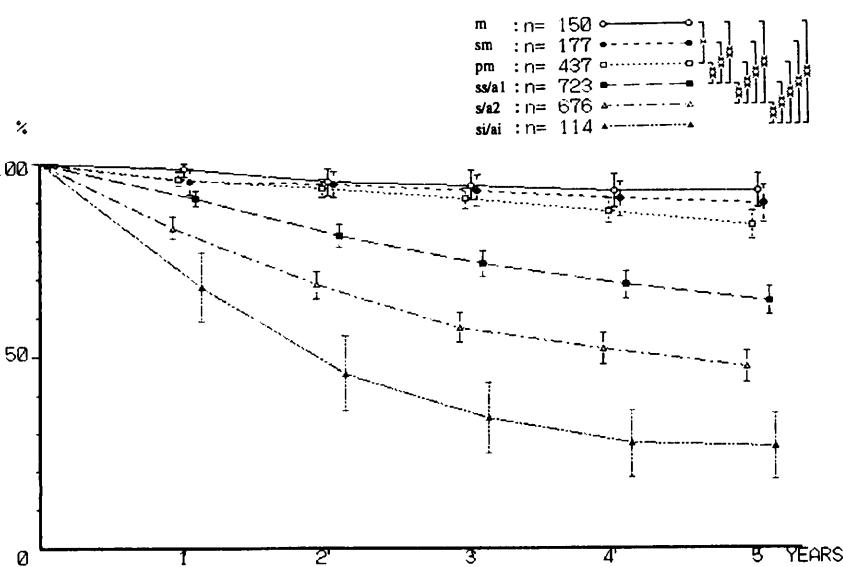


■ P=0.01 ▲ P=0.05



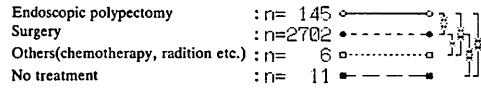


21-1 Histological depth of invasion.
Colon.

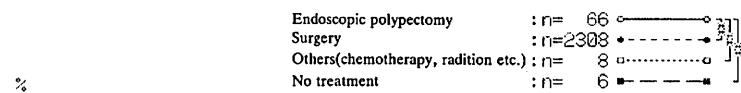
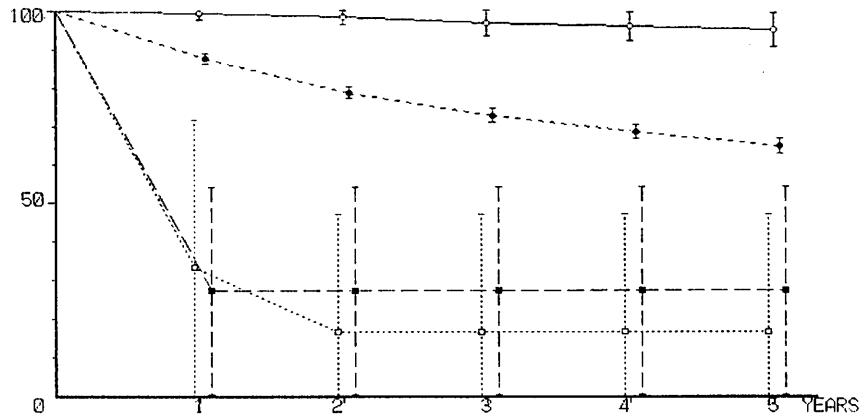


21-2 Histological depth of invasion.
Rectum.

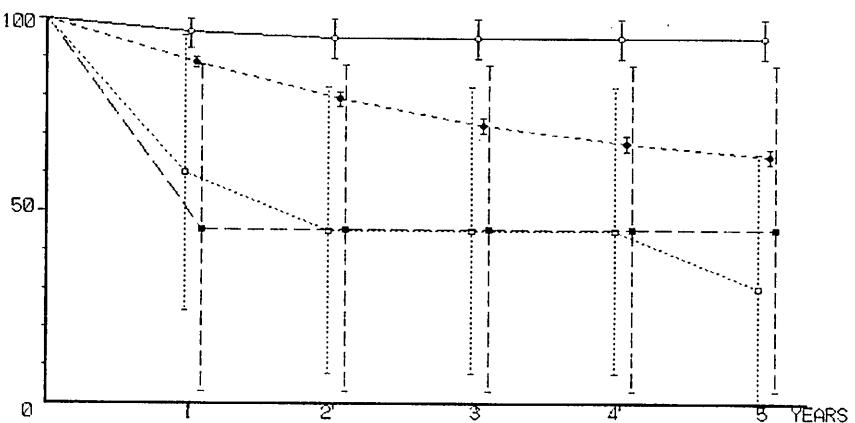
■ P=0.01 ▲ P=0.05



22-1 Modality of treatment. Colon.

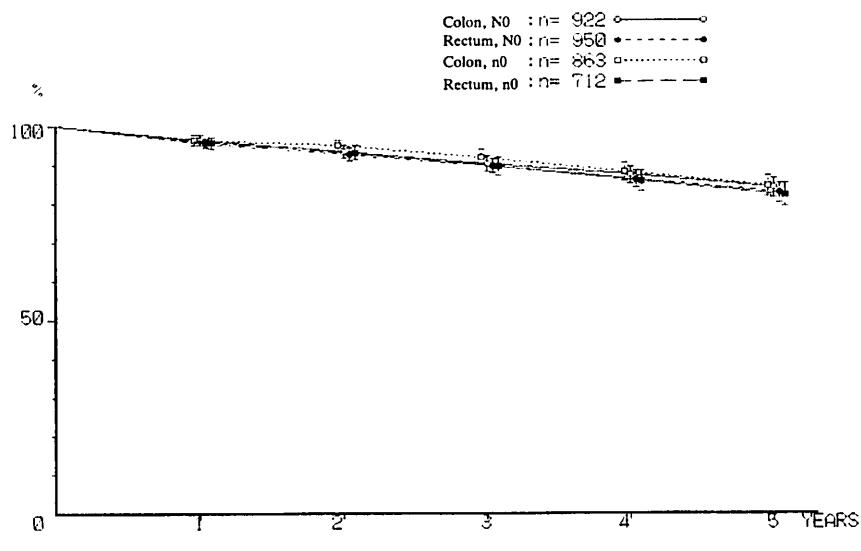


22-2 Modality treatment Rectum.



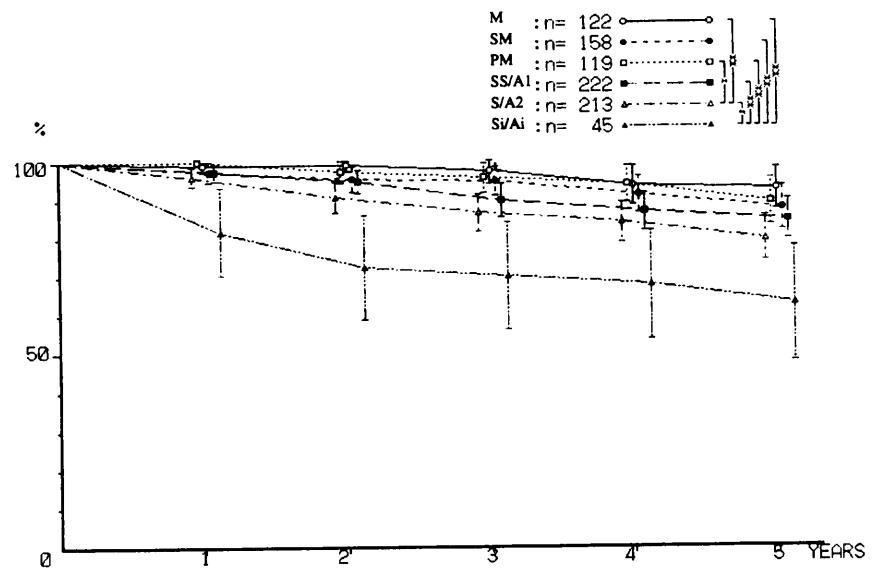
23

H0P0M(→)N0 or n0
Colon and Rectum.

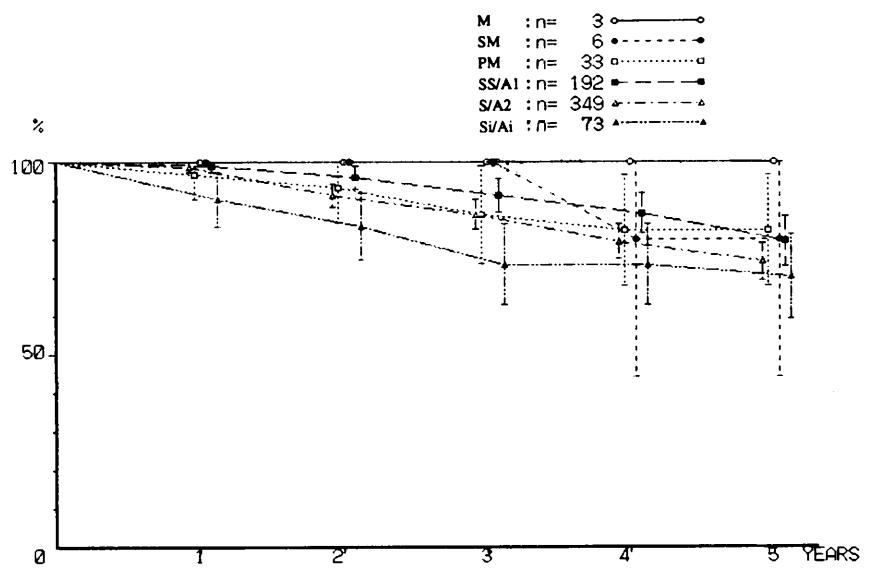


¤ P=0.01 * P=0.05

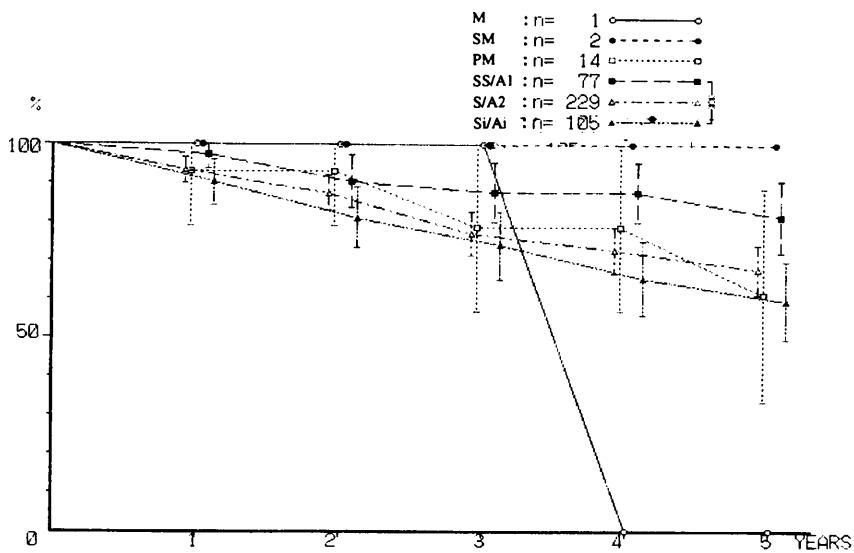
24-1 HOP0M(-)N0
Colon.



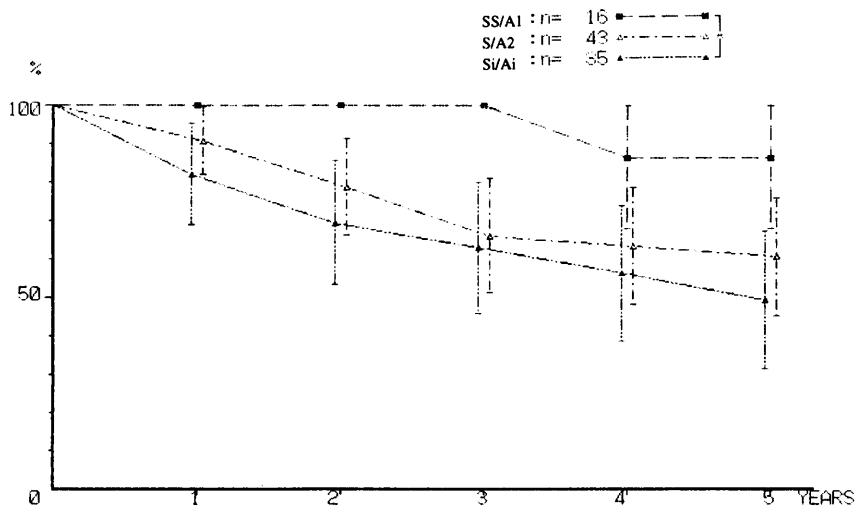
24-2 HOP0M(-)N1
Colon.



24-3 H0P0M(-)N2
Colon.

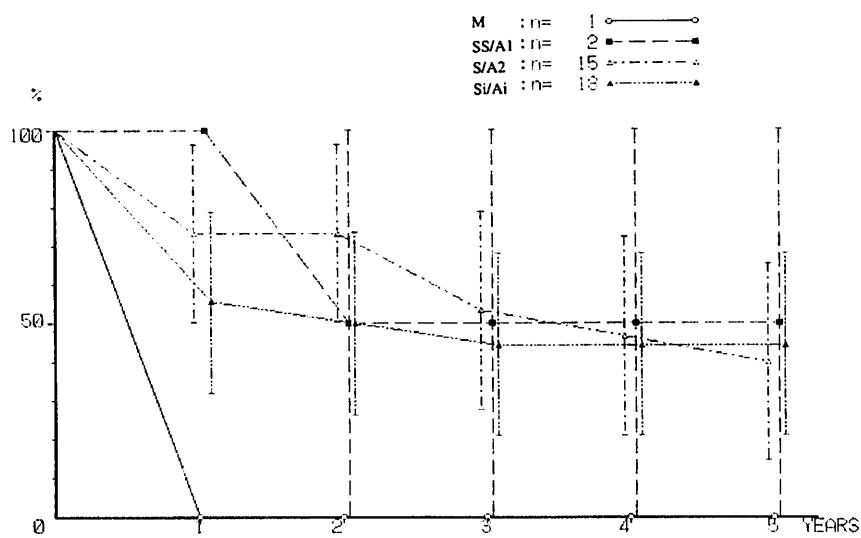


24-4 H0P0M(-)N3
Colon.

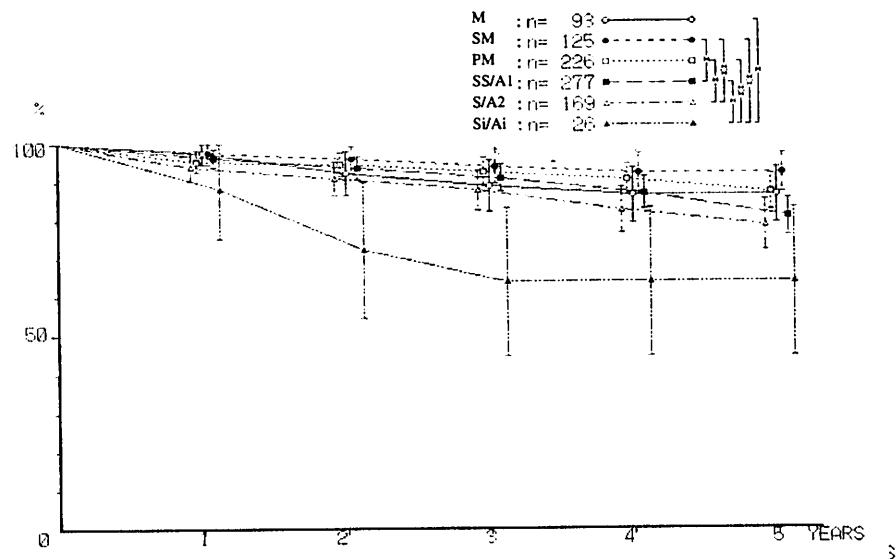


■ P=0.01 ▲ P=0.05

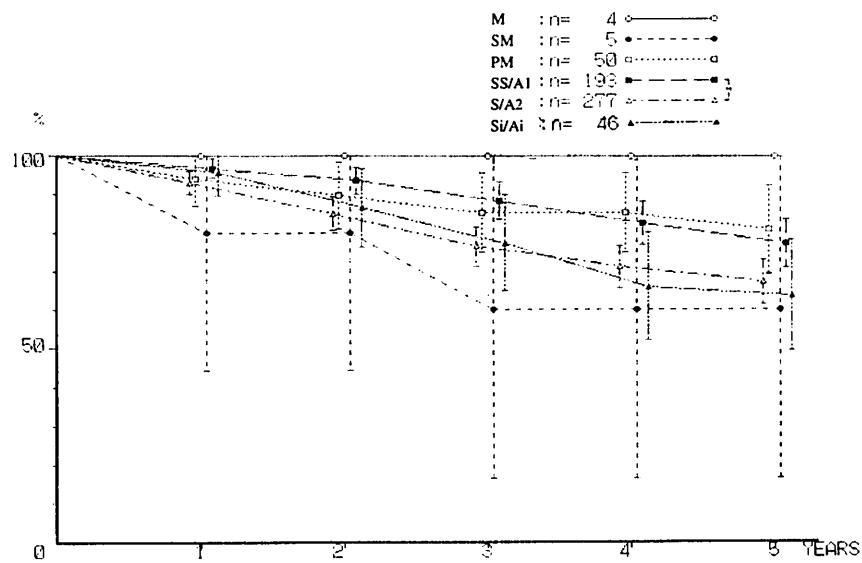
24-5 HOP0M(-)N4
Colon.



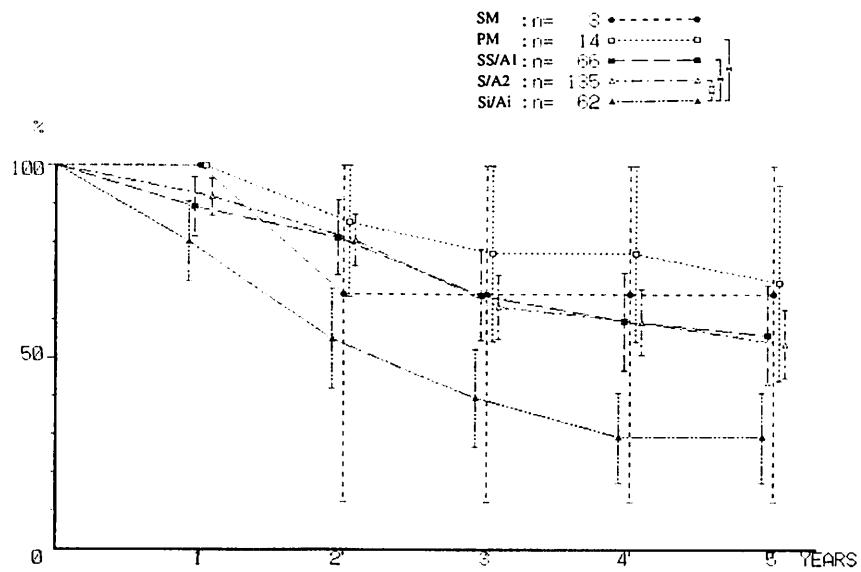
24-6 HOP0M(-)N0
Rectum.



24-7 HOP0M(-)N1
Rectum.

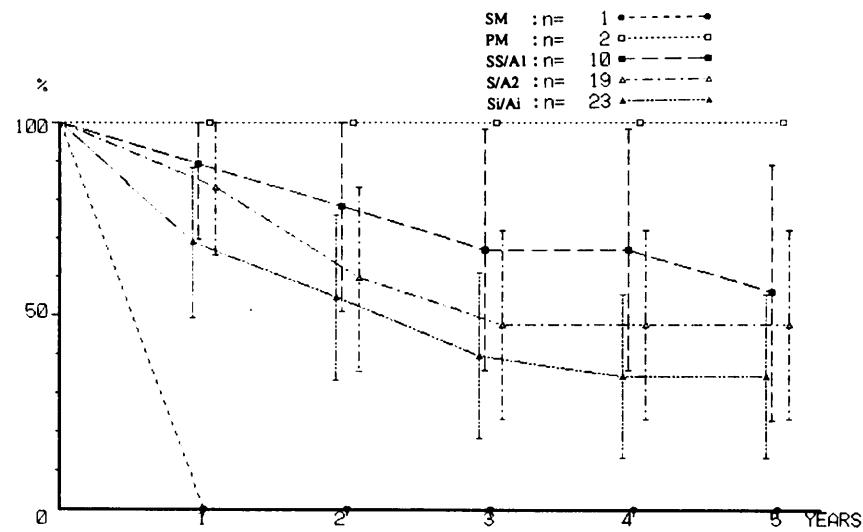


24-8 HOP0M(-)N2
Rectum.

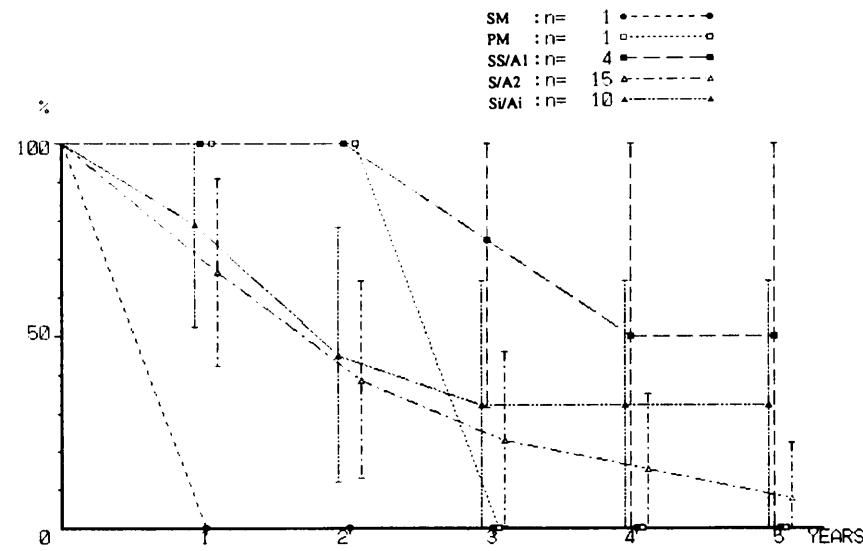


* P=0.01 * P=0.05

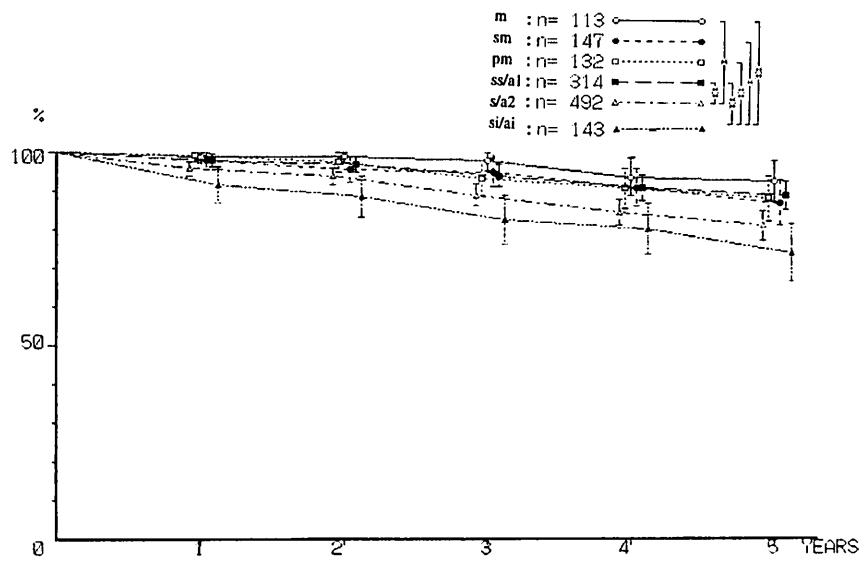
24-9 H0P0M(-)N3
Rectum.



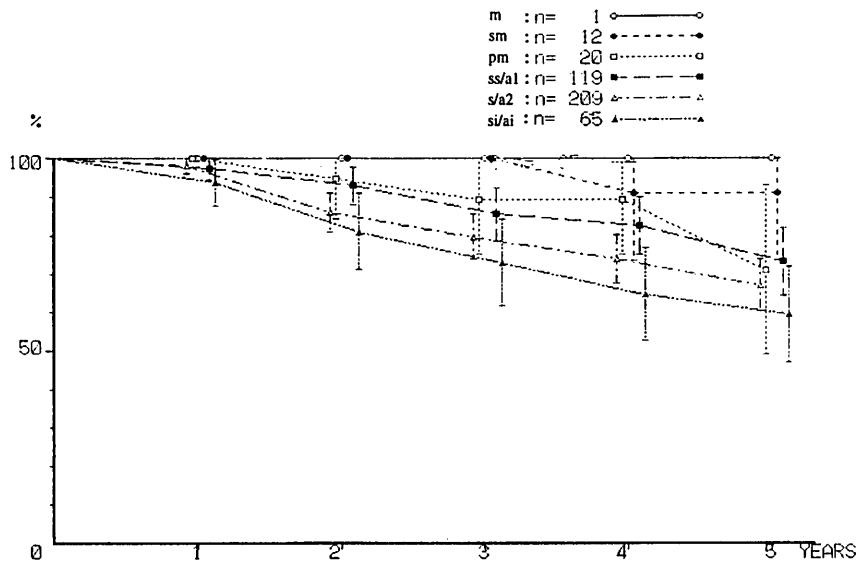
24-10 H0P0M(-)N4
Rectum.



25-1 HOPOM(-)n0
Colon.

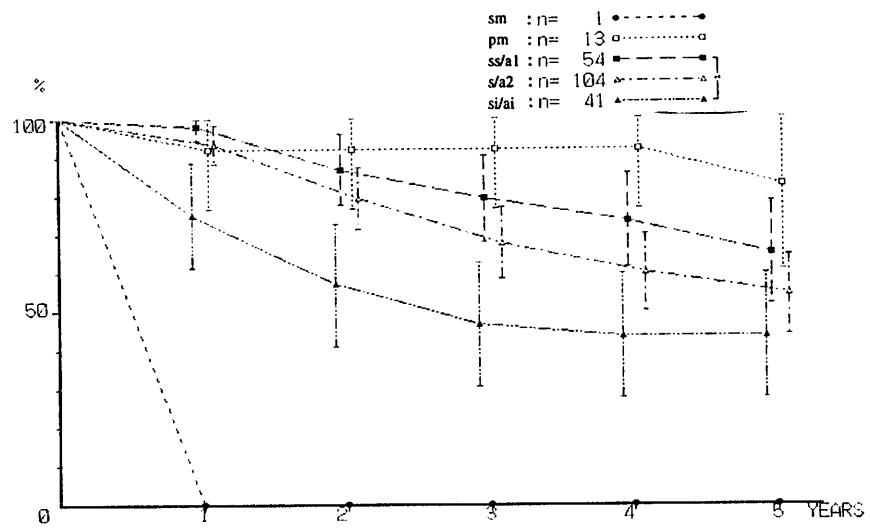


25-2 HOPOM(-)n1
Colon.

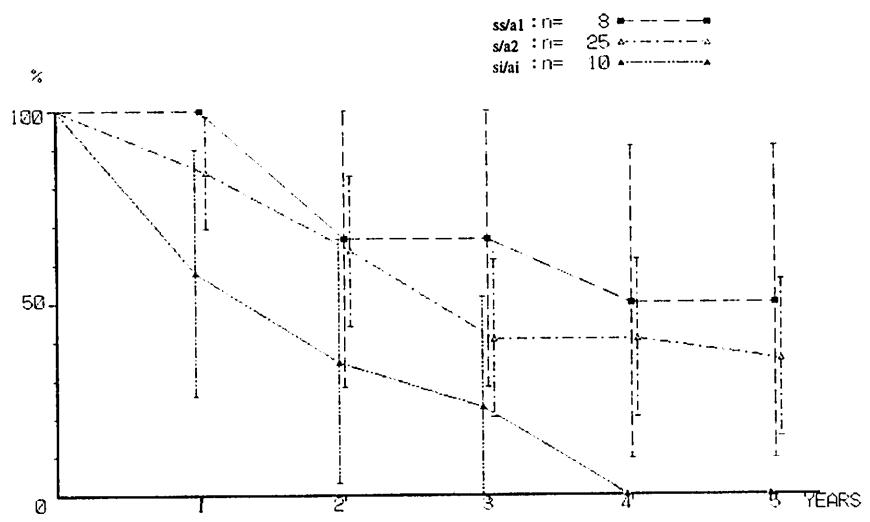


¤ P=0.01 * P=0.05

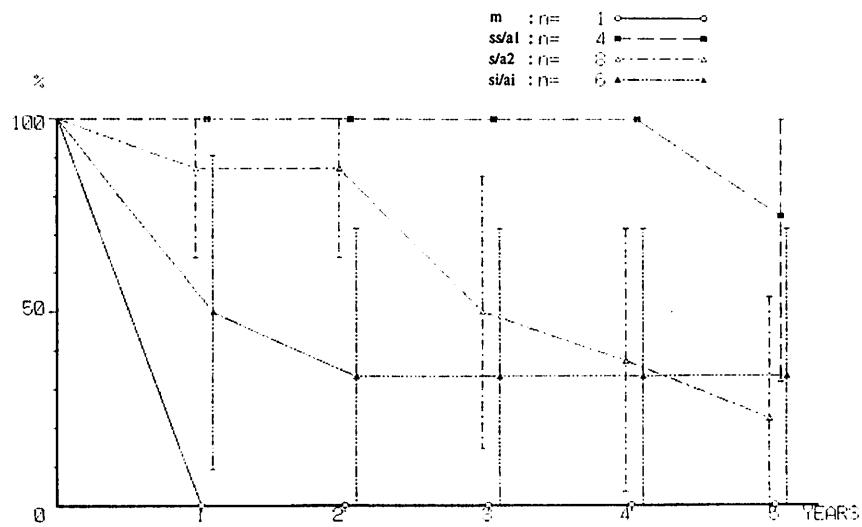
25-3 HOPOM(\rightarrow n2
Colon.



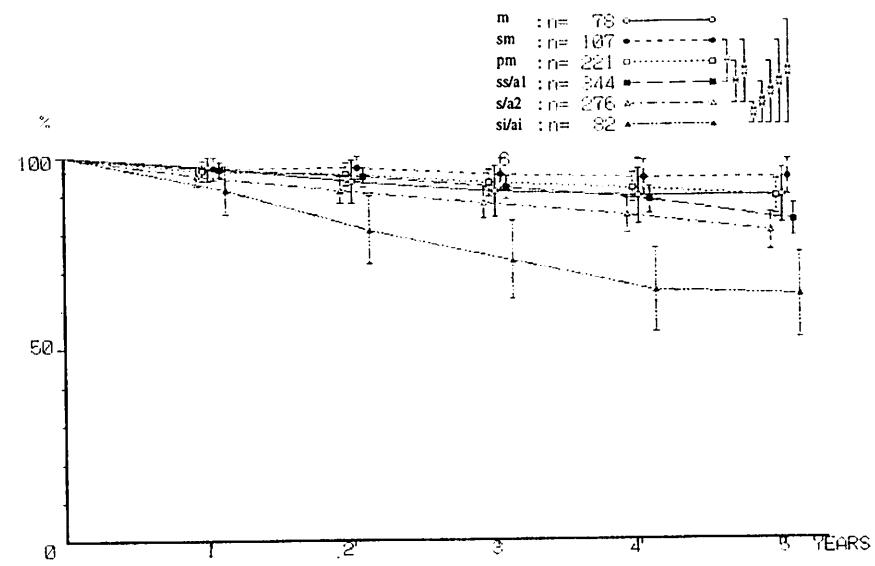
25-4 HOPOM(\rightarrow n3
Colon.



25-5 HOPOM(-)n4
Colon.

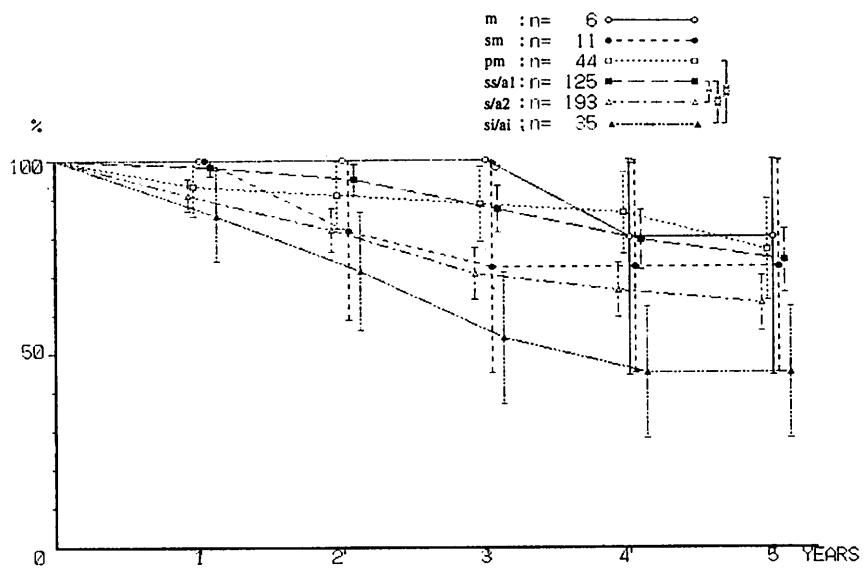


25-6 HOPOM(-)n0
Rectum.

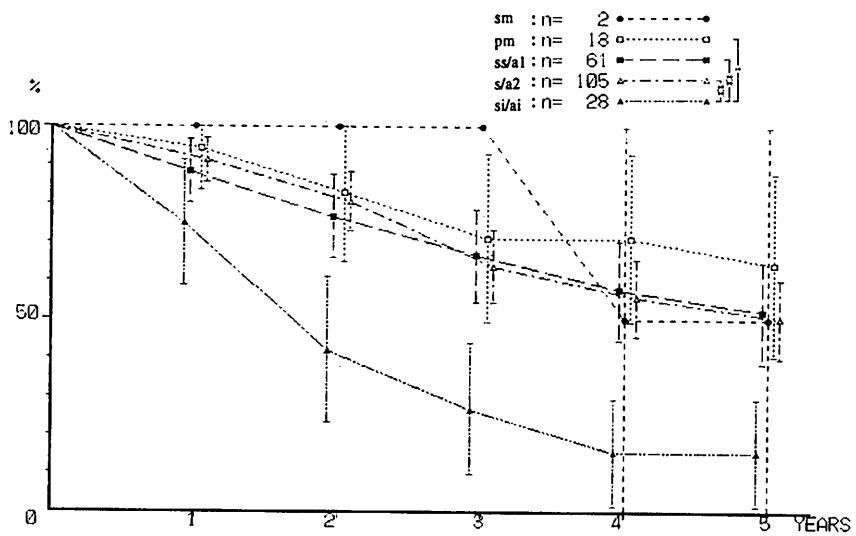


* P=0.01 * P=0.05

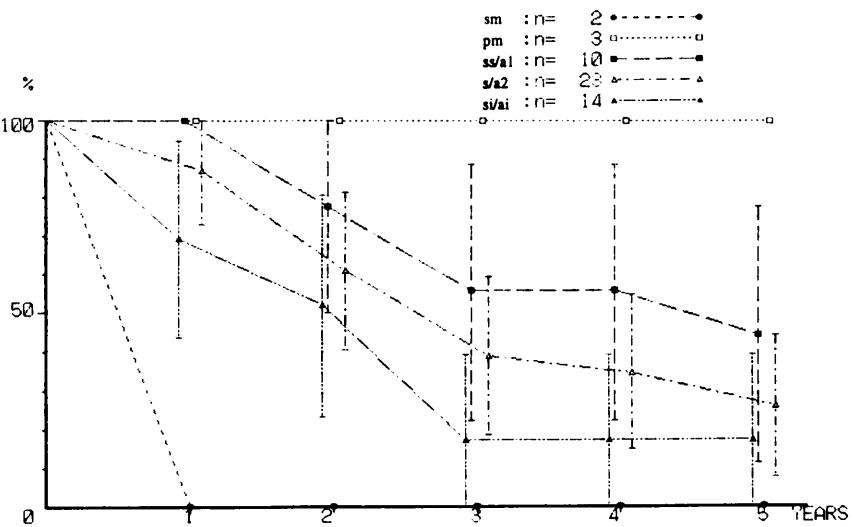
25-7 HOPOM(-)n1
Rectum.



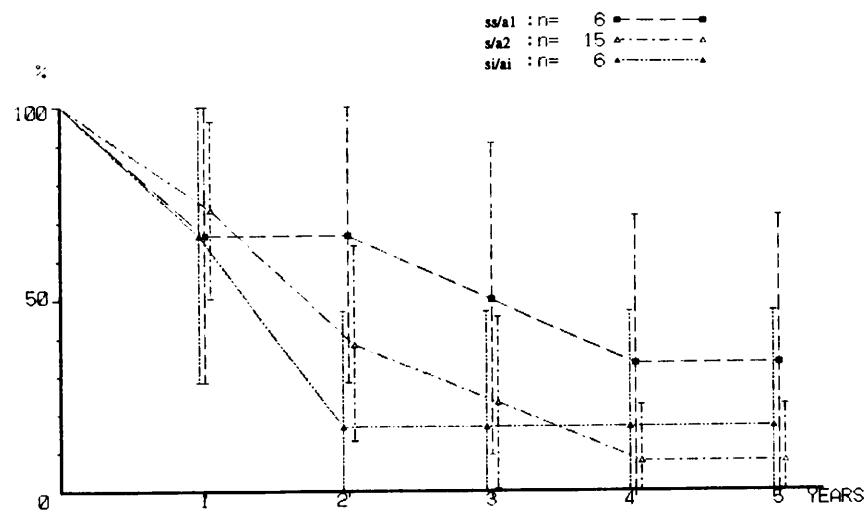
25-8 HOPOM(-)n2
Rectum.



25-9 HOPOM(-)n3
Rectum.

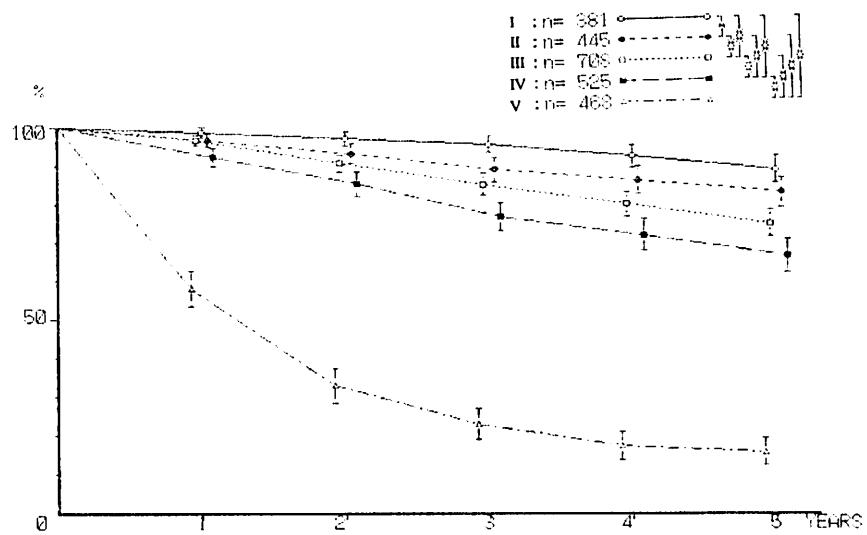


25-10 HOPOM(-)n4
Rectum.

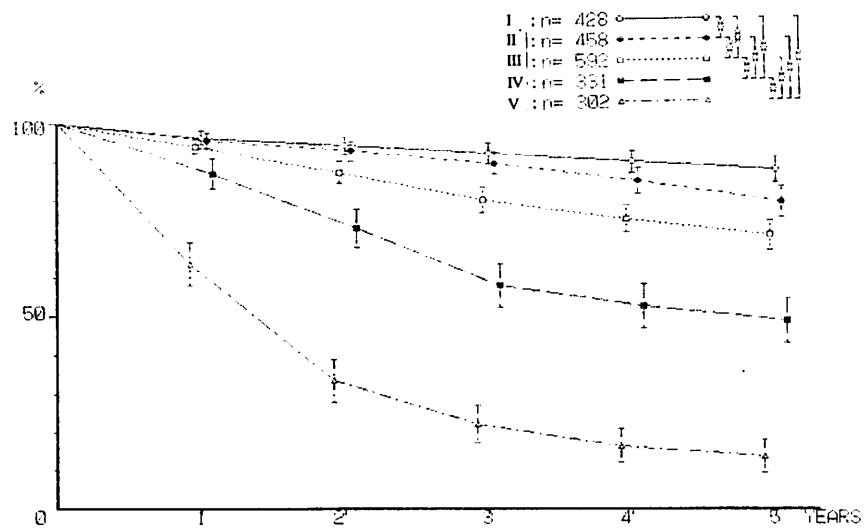


* P=0.01 * P=0.05

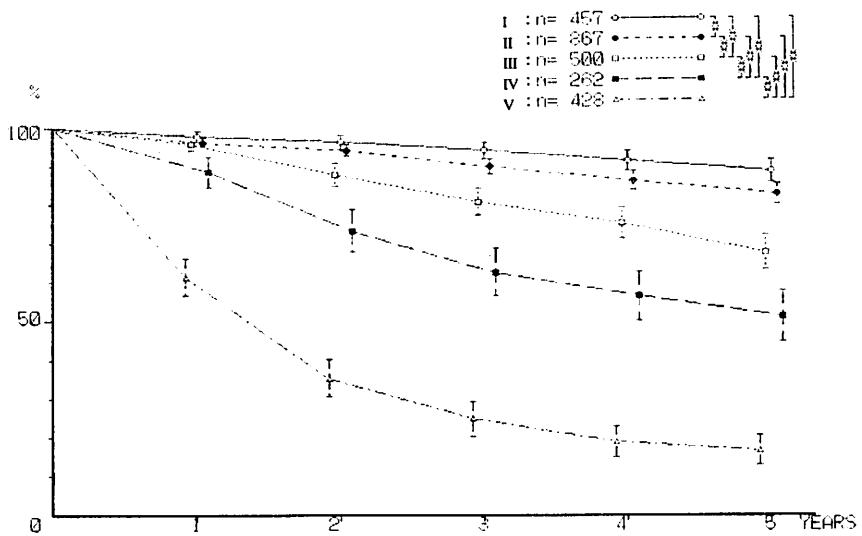
26-1 Clinical stage,
JSCCR.
Colon.



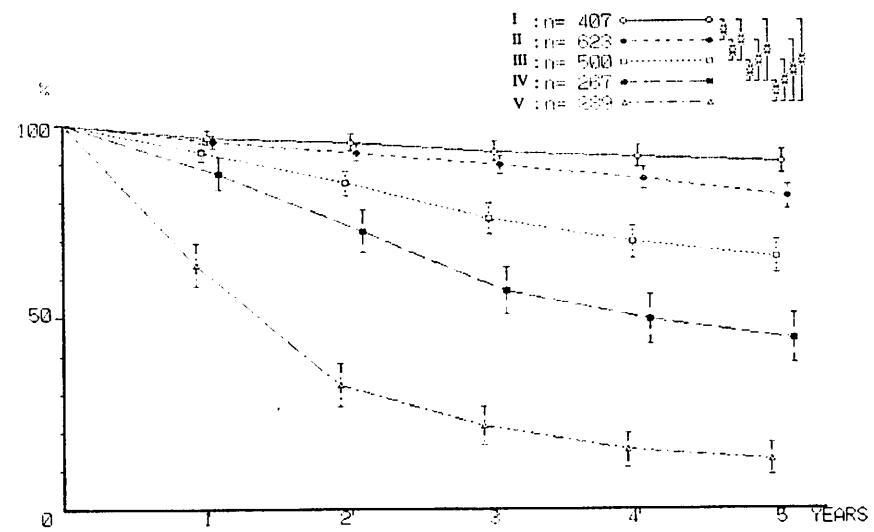
26-2 Clinical stage,
JSCCR.
Rectum.



26-3 Histological stage,
JSCCR.
Colon.

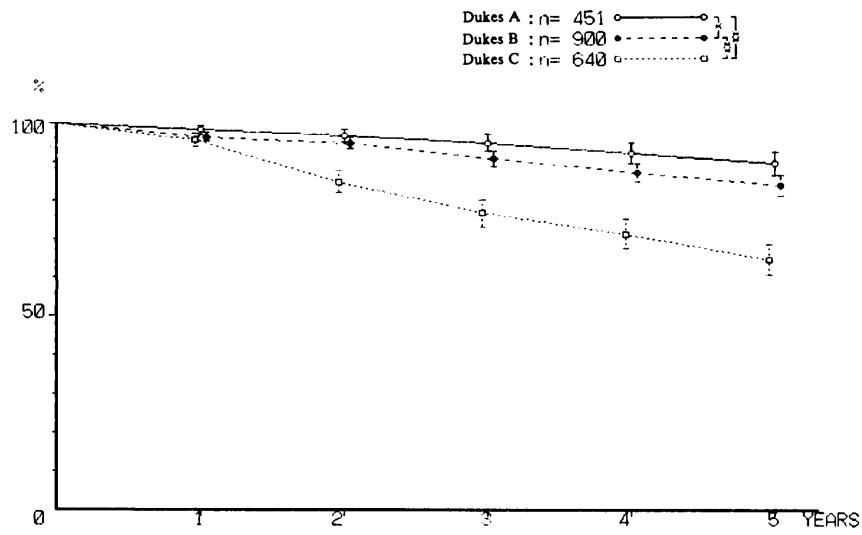


26-4 Histological stage,
JSCCR.
Rectum.

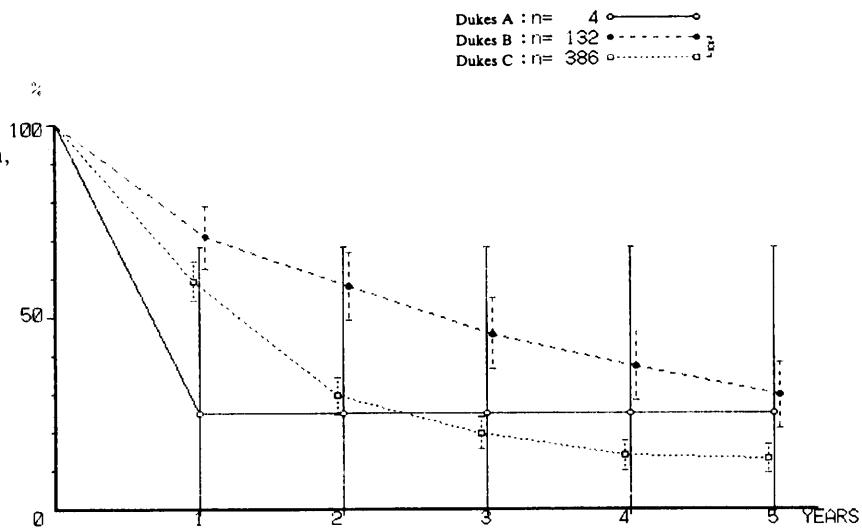


▲ P=0.01 × P=0.05

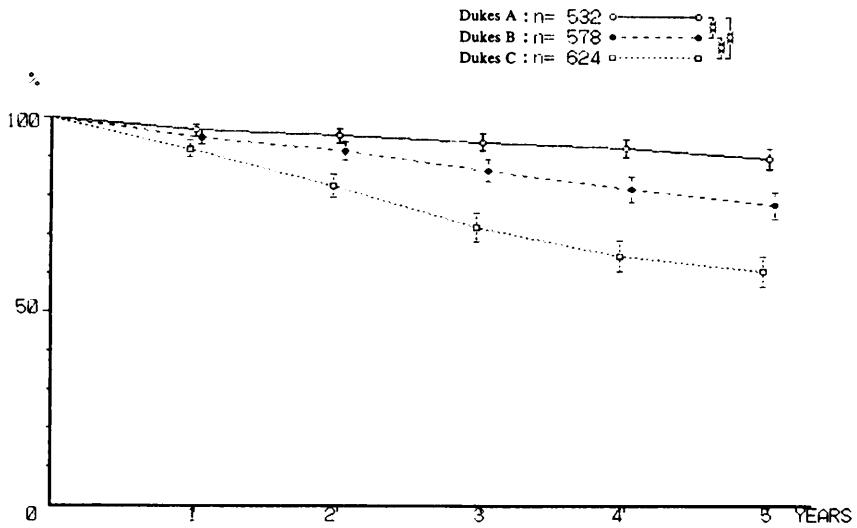
27-1 Dukes.
Curative resection,
Colon.



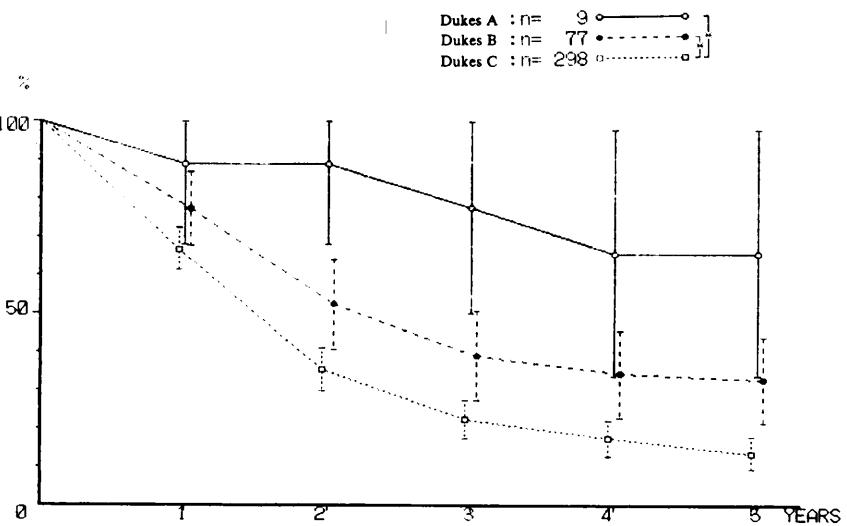
27-2 Dukes.
Non-curative resection,
Colon.



27-3 Dukes.
Curative resection,
Rectum.

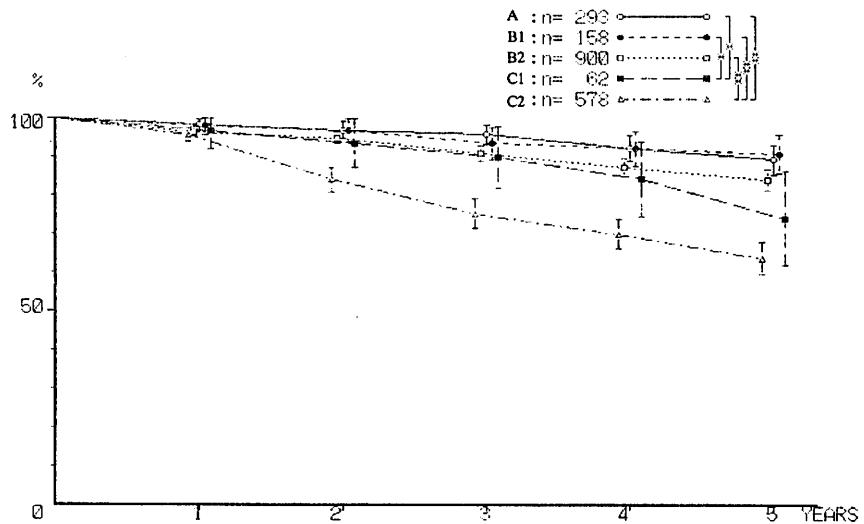


27-4 Dukes.
Non-curative resection,
Rectum.

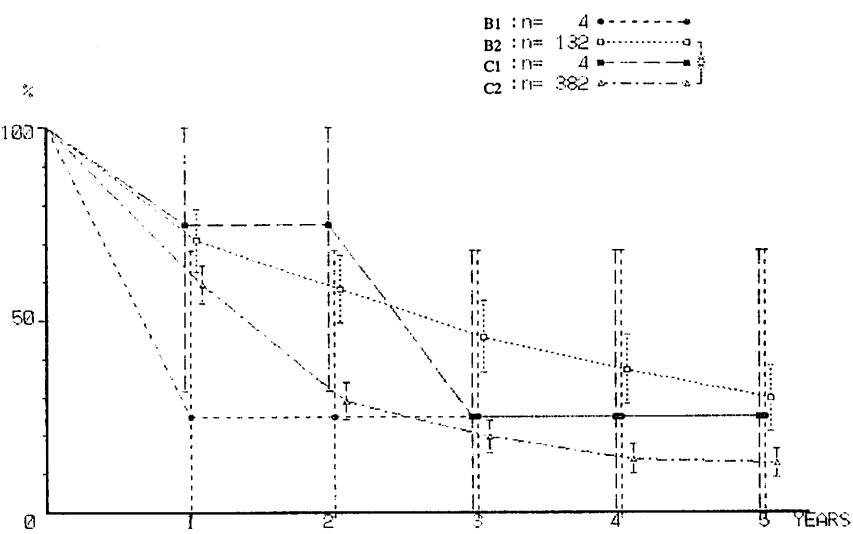


H P=0.01 * P=0.05

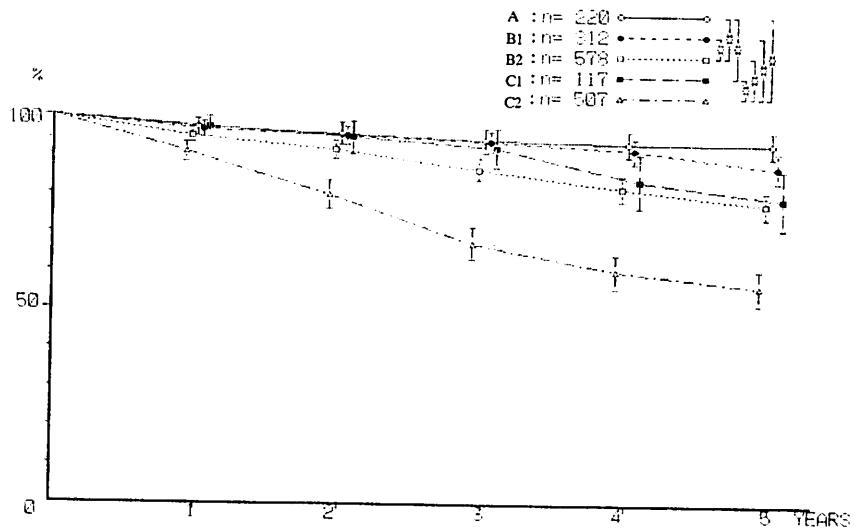
28-1 Astler-Coller.
Curative resection,
Colon.



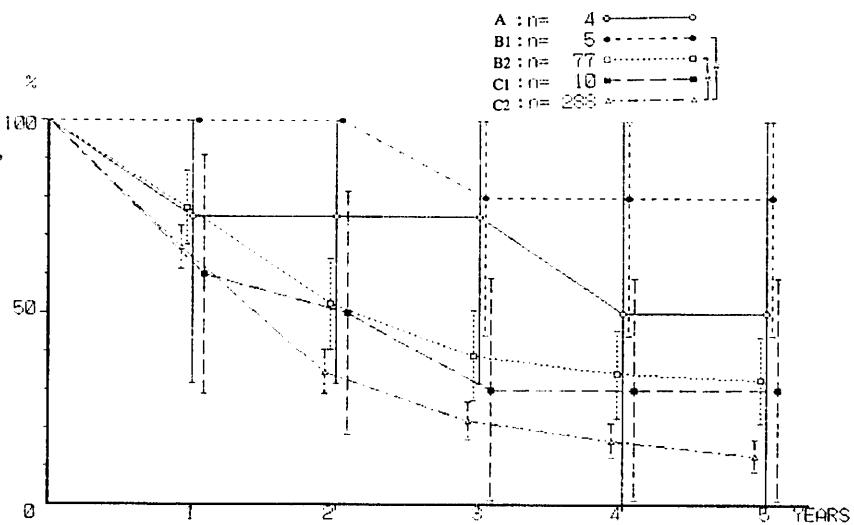
28-2 Astler-Coller.
Non-curative resection,
Colon.



28-3 Astler-Coller.
Curative resection,
Rectum.



28-4 Astler-Coller.
Non-curative resection,
Rectum.



* P=0.01 * P=0.05

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Vol.15

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