

**TABLE 1: Case survivals ( $\pm$  SE) from primary cancer: RAH and FMC cancer registries, 1980-97\***

**COLON CANCER**

Category		Period from diagnosis (yrs.)															P value**	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		
All (n=2,379)	100%	72% $\pm$ 1	61% $\pm$ 1	55% $\pm$ 1	52% $\pm$ 1	50% $\pm$ 1	49% $\pm$ 1	47% $\pm$ 1	46% $\pm$ 1	45% $\pm$ 1	45% $\pm$ 1	45% $\pm$ 1	44% $\pm$ 1	44% $\pm$ 1	43% $\pm$ 1	43% $\pm$ 1	—	
<b>Diagnostic period:</b>																	p<0.001	
1980-85 (n=712)	100%	67% $\pm$ 2	56% $\pm$ 2	50% $\pm$ 2	45% $\pm$ 2	44% $\pm$ 2	42% $\pm$ 2	41% $\pm$ 2	41% $\pm$ 2	39% $\pm$ 2	39% $\pm$ 2	39% $\pm$ 2	38% $\pm$ 2	38% $\pm$ 2	37% $\pm$ 2	37% $\pm$ 2		
1986-91 (n=901)	100%	72% $\pm$ 2	60% $\pm$ 2	56% $\pm$ 2	53% $\pm$ 2	51% $\pm$ 2	50% $\pm$ 2	48% $\pm$ 2	48% $\pm$ 2	47% $\pm$ 2	47% $\pm$ 2	47% $\pm$ 2	47% $\pm$ 2	—	—	—		
1992-97 (n=766)	100%	76% $\pm$ 2	66% $\pm$ 2	60% $\pm$ 2	56% $\pm$ 2	54% $\pm$ 2	52% $\pm$ 3	—	—	—	—	—	—	—	—	—		
<b>Age at diagnosis (yrs.):</b>																	p=0.014	
Under 40 (n=35)	100%	73% $\pm$ 8	60% $\pm$ 9	60% $\pm$ 9	56% $\pm$ 10	51% $\pm$ 9	—	—	—	—	—	—	—	—	—	—		
40-49 (n=122)	100%	72% $\pm$ 4	60% $\pm$ 5	56% $\pm$ 5	48% $\pm$ 5	48% $\pm$ 5	48% $\pm$ 5	48% $\pm$ 5	48% $\pm$ 5	46% $\pm$ 5	46% $\pm$ 5	46% $\pm$ 5	43% $\pm$ 6	43% $\pm$ 6	43% $\pm$ 6	43% $\pm$ 6		
50-59 (n=306)	100%	73% $\pm$ 3	59% $\pm$ 3	53% $\pm$ 3	48% $\pm$ 3	46% $\pm$ 3	44% $\pm$ 3	44% $\pm$ 3	42% $\pm$ 3	42% $\pm$ 3	42% $\pm$ 3	42% $\pm$ 3	42% $\pm$ 3	42% $\pm$ 3	42% $\pm$ 3	42% $\pm$ 3		
60-69 (n=571)	100%	76% $\pm$ 2	65% $\pm$ 2	60% $\pm$ 2	56% $\pm$ 2	55% $\pm$ 2	53% $\pm$ 2	52% $\pm$ 2	51% $\pm$ 2	51% $\pm$ 2	51% $\pm$ 2	49% $\pm$ 2	49% $\pm$ 2	48% $\pm$ 3	48% $\pm$ 3	48% $\pm$ 3		
70-79 (n=850)	100%	72% $\pm$ 2	62% $\pm$ 2	56% $\pm$ 2	53% $\pm$ 2	51% $\pm$ 2	49% $\pm$ 2	47% $\pm$ 2	47% $\pm$ 2	44% $\pm$ 2	44% $\pm$ 2	44% $\pm$ 2	44% $\pm$ 2	44% $\pm$ 2	42% $\pm$ 3	42% $\pm$ 3		
80+ (n=495)	100%	65% $\pm$ 2	56% $\pm$ 2	50% $\pm$ 3	48% $\pm$ 3	46% $\pm$ 3	45% $\pm$ 3	42% $\pm$ 3	42% $\pm$ 3	42% $\pm$ 3	42% $\pm$ 3	42% $\pm$ 3	38% $\pm$ 5	38% $\pm$ 5	38% $\pm$ 5	38% $\pm$ 5		
<b>Sex:</b>																	p=0.445	
Males (n=1,130)	100%	72% $\pm$ 1	61% $\pm$ 2	55% $\pm$ 2	51% $\pm$ 2	48% $\pm$ 2	47% $\pm$ 2	45% $\pm$ 2	44% $\pm$ 2	44% $\pm$ 2	44% $\pm$ 2	44% $\pm$ 2	43% $\pm$ 2	42% $\pm$ 2	42% $\pm$ 2	42% $\pm$ 2		
Females (n=1,249)	100%	72% $\pm$ 1	61% $\pm$ 1	56% $\pm$ 1	52% $\pm$ 2	51% $\pm$ 2	50% $\pm$ 2	49% $\pm$ 2	48% $\pm$ 2	46% $\pm$ 2	46% $\pm$ 2	46% $\pm$ 2	45% $\pm$ 2	45% $\pm$ 2	44% $\pm$ 2	44% $\pm$ 2		
<b>Residence:</b>																	p=0.425	
Adelaide (n=1,885)	100%	72% $\pm$ 1	62% $\pm$ 1	56% $\pm$ 1	52% $\pm$ 1	50% $\pm$ 1	49% $\pm$ 1	47% $\pm$ 1	47% $\pm$ 1	45% $\pm$ 1	45% $\pm$ 1	45% $\pm$ 1	45% $\pm$ 1	44% $\pm$ 2	43% $\pm$ 2	43% $\pm$ 2		
Country SA (n=494)	100%	70% $\pm$ 2	59% $\pm$ 2	53% $\pm$ 2	50% $\pm$ 2	49% $\pm$ 2	48% $\pm$ 2	46% $\pm$ 3	46% $\pm$ 3	44% $\pm$ 3	44% $\pm$ 3	44% $\pm$ 3	43% $\pm$ 3	43% $\pm$ 3	43% $\pm$ 3	43% $\pm$ 3		

TABLE 1 (cont.): Case survivals ( $\pm$  SE) from primary cancer: RAH and FMC cancer registries, 1980-97\*

Category		Period from diagnosis (yrs.)															P value**
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
<b>ACPS stage:</b>																	
A (n=248)	100%	96% $\pm$ 1	93% $\pm$ 2	92% $\pm$ 2	91% $\pm$ 2	90% $\pm$ 2	89% $\pm$ 2	87% $\pm$ 3	86% $\pm$ 3	84% $\pm$ 3	84% $\pm$ 3	84% $\pm$ 3	84% $\pm$ 3	84% $\pm$ 3	84% $\pm$ 3	84% $\pm$ 3	p<0.001
B (n=843)	100%	91% $\pm$ 1	86% $\pm$ 1	80% $\pm$ 1	76% $\pm$ 2	73% $\pm$ 2	72% $\pm$ 2	70% $\pm$ 2	69% $\pm$ 2	67% $\pm$ 2	67% $\pm$ 2	66% $\pm$ 2	65% $\pm$ 2	65% $\pm$ 2	64% $\pm$ 3	64% $\pm$ 3	
C (n=682)	100%	75% $\pm$ 2	58% $\pm$ 2	49% $\pm$ 2	45% $\pm$ 2	43% $\pm$ 2	40% $\pm$ 2	39% $\pm$ 2	38% $\pm$ 2	37% $\pm$ 2	37% $\pm$ 2	37% $\pm$ 2	36% $\pm$ 2	34% $\pm$ 3	34% $\pm$ 3	34% $\pm$ 3	
D (n=472)	100%	28% $\pm$ 2	13% $\pm$ 2	10% $\pm$ 1	6% $\pm$ 1	6% $\pm$ 1	5% $\pm$ 1	5% $\pm$ 1	5% $\pm$ 1	5% $\pm$ 1	5% $\pm$ 1	5% $\pm$ 1	5% $\pm$ 1	5% $\pm$ 1	5% $\pm$ 1	5% $\pm$ 1	
UK (n=134)	(100%)	(45%) $\pm$ 5	(34%) $\pm$ 4	(31%) $\pm$ 4	(28%) $\pm$ 4	(28%) $\pm$ 4	(28%) $\pm$ 4	(28%) $\pm$ 4	(28%) $\pm$ 4	(28%) $\pm$ 4	(28%) $\pm$ 4	(28%) $\pm$ 4	(28%) $\pm$ 4	(28%) $\pm$ 4	(28%) $\pm$ 4	(28%) $\pm$ 4	
<b>Differentiation:</b>																	
Well (n=171)	100%	87% $\pm$ 3	76% $\pm$ 3	72% $\pm$ 4	68% $\pm$ 4	68% $\pm$ 4	65% $\pm$ 4	64% $\pm$ 4	64% $\pm$ 4	64% $\pm$ 4	64% $\pm$ 4	64% $\pm$ 4	64% $\pm$ 4	64% $\pm$ 4	64% $\pm$ 4	64% $\pm$ 4	p<0.001
Moderate (n=1,525)	100%	78% $\pm$ 1	67% $\pm$ 1	61% $\pm$ 1	57% $\pm$ 1	55% $\pm$ 1	54% $\pm$ 1	52% $\pm$ 1	51% $\pm$ 1	49% $\pm$ 2	49% $\pm$ 2	48% $\pm$ 2	48% $\pm$ 2	47% $\pm$ 2	46% $\pm$ 2	46% $\pm$ 2	
Poor/undiff. (n=394)	100%	54% $\pm$ 3	44% $\pm$ 3	38% $\pm$ 3	36% $\pm$ 3	34% $\pm$ 3	34% $\pm$ 3	33% $\pm$ 3	33% $\pm$ 3	33% $\pm$ 3	33% $\pm$ 3	33% $\pm$ 3	33% $\pm$ 3	30% $\pm$ 3	30% $\pm$ 3	30% $\pm$ 3	
UK (n=289)	(100%)	(53%) $\pm$ 3	(40%) $\pm$ 3	(37%) $\pm$ 3	(34%) $\pm$ 3	(32%) $\pm$ 3	(31%) $\pm$ 3	(31%) $\pm$ 3	(31%) $\pm$ 3	(31%) $\pm$ 3	(31%) $\pm$ 3	(31%) $\pm$ 3	(31%) $\pm$ 3	(31%) $\pm$ 3	(31%) $\pm$ 3	(31%) $\pm$ 3	
<b>Sub-site:</b>																	
Ascending (n=1,020)	100%	70% $\pm$ 1	59% $\pm$ 2	53% $\pm$ 2	50% $\pm$ 2	48% $\pm$ 2	47% $\pm$ 2	46% $\pm$ 2	45% $\pm$ 2	44% $\pm$ 2	44% $\pm$ 2	44% $\pm$ 2	44% $\pm$ 2	44% $\pm$ 2	44% $\pm$ 2	44% $\pm$ 2	p=0.110
Transverse (n=204)	100%	72% $\pm$ 3	60% $\pm$ 4	55% $\pm$ 4	51% $\pm$ 4	50% $\pm$ 4	48% $\pm$ 4	46% $\pm$ 4	46% $\pm$ 4	45% $\pm$ 4	45% $\pm$ 4	43% $\pm$ 4	43% $\pm$ 4	39% $\pm$ 5	34% $\pm$ 7	34% $\pm$ 7	
Descending (n=1,097)	100%	75% $\pm$ 1	64% $\pm$ 2	58% $\pm$ 2	54% $\pm$ 2	52% $\pm$ 2	51% $\pm$ 2	50% $\pm$ 2	49% $\pm$ 2	47% $\pm$ 2	47% $\pm$ 2	47% $\pm$ 2	46% $\pm$ 2	45% $\pm$ 2	45% $\pm$ 2	45% $\pm$ 2	
Other/UK (n=58)	(100%)	(47%) $\pm$ 7	(38%) $\pm$ 7	(32%) $\pm$ 7	(32%) $\pm$ 7	(32%) $\pm$ 7	(32%) $\pm$ 7	(32%) $\pm$ 7	(32%) $\pm$ 7	(32%) $\pm$ 7	(32%) $\pm$ 7	(32%) $\pm$ 7	(-)	(-)	(-)	(-)	
<b>Histology:</b>																	
Adenocarc. (n=1,947)	100%	74% $\pm$ 1	64% $\pm$ 1	58% $\pm$ 1	54% $\pm$ 1	52% $\pm$ 1	51% $\pm$ 1	49% $\pm$ 1	48% $\pm$ 1	47% $\pm$ 1	47% $\pm$ 1	46% $\pm$ 1	46% $\pm$ 1	45% $\pm$ 2	44% $\pm$ 2	44% $\pm$ 2	p=0.157
Muc. adeno. (n=330)	100%	71% $\pm$ 3	57% $\pm$ 3	53% $\pm$ 3	50% $\pm$ 3	48% $\pm$ 3	46% $\pm$ 3	46% $\pm$ 3	46% $\pm$ 3	43% $\pm$ 3	43% $\pm$ 3	43% $\pm$ 3	43% $\pm$ 3	43% $\pm$ 3	43% $\pm$ 3	43% $\pm$ 3	
Other/UK (n=102)	(100%)	(27%) $\pm$ 5	(23%) $\pm$ 4	(19%) $\pm$ 4	(17%) $\pm$ 4	(17%) $\pm$ 4	(17%) $\pm$ 4	(17%) $\pm$ 4	(17%) $\pm$ 4	(17%) $\pm$ 4	(17%) $\pm$ 4	(17%) $\pm$ 4	(17%) $\pm$ 4	(-)	(-)	(-)	

\* Date of censoring: December 31<sup>st</sup>, 1997.

\*\* As indicated by Cox proportional hazards regression. Data in brackets excluded from comparisons.

NB: RAH = Royal Adelaide Hospital. FMC = Flinders Medical Centre.

**TABLE 2:** *Principal type of surgery as part of the primary course of treatment: RAH and FMC cancer registries, 1980-97\****COLON CANCER**

<i>Surgery type</i>	<i>Diagnostic period</i>			<i>Total (n=2,205)</i>
	<i>1980-85 (n=642)</i>	<i>1986-91 (n=834)</i>	<i>1992-97 (n=729)</i>	
Right hemicolectomy	49.4%	47.4%	46.0%	47.5%
Sigmoid colectomy	29.1%	26.6%	25.2%	26.9%
Left hemicolectomy	8.7%	9.7%	9.7%	9.4%
Hartmann resection	2.5%	5.2%	4.0%	4.0%
Partial colectomy (nos)	4.8%	4.9%	3.6%	4.4%
Total colectomy	0.5%	1.2%	1.9%	1.2%
Local excision	2.2%	3.5%	8.6%	4.8%
Other	2.8%	1.6%	1.0%	1.7%
<b>Total</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>

\* *As a percentage of cases treated surgically.*

*NB: RAH = Royal Adelaide Hospital. FMC = Flinders Medical Centre.*

**TABLE 3:** Case survivals ( $\pm$  SE) from primary cancer: RAH and FMC cancer registries, 1980-97\*

**RECTUM CANCER**

Category		Period from diagnosis (yrs.)															P value**	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		
All (n=1,320)	100%	79% $\pm$ 1	66% $\pm$ 1	58% $\pm$ 1	54% $\pm$ 2	50% $\pm$ 2	48% $\pm$ 2	47% $\pm$ 2	45% $\pm$ 2	44% $\pm$ 2	44% $\pm$ 2	44% $\pm$ 2	43% $\pm$ 2	42% $\pm$ 2	42% $\pm$ 2	42% $\pm$ 2	—	
<b>Diagnostic period:</b>																	p=0.863	
1980-85 (n=416)	100%	79% $\pm$ 2	65% $\pm$ 2	58% $\pm$ 3	54% $\pm$ 3	49% $\pm$ 3	48% $\pm$ 3	47% $\pm$ 3	46% $\pm$ 3	44% $\pm$ 3	43% $\pm$ 3	43% $\pm$ 3	42% $\pm$ 3	42% $\pm$ 3	42% $\pm$ 3	42% $\pm$ 3		
1986-91 (n=469)	100%	78% $\pm$ 2	66% $\pm$ 2	57% $\pm$ 2	53% $\pm$ 2	49% $\pm$ 2	47% $\pm$ 2	46% $\pm$ 2	44% $\pm$ 2	44% $\pm$ 2	44% $\pm$ 2	44% $\pm$ 2	—	—	—	—		
1992-97 (n=435)	100%	78% $\pm$ 2	66% $\pm$ 3	60% $\pm$ 3	55% $\pm$ 3	53% $\pm$ 3	53% $\pm$ 3	—	—	—	—	—	—	—	—	—		
<b>Age at diagnosis (yrs.):</b>																	p<0.001	
Under 50 (n=88)	100%	86% $\pm$ 4	71% $\pm$ 5	64% $\pm$ 5	57% $\pm$ 6	50% $\pm$ 6	48% $\pm$ 6	46% $\pm$ 6	43% $\pm$ 6	40% $\pm$ 6	40% $\pm$ 6	40% $\pm$ 6	40% $\pm$ 6	40% $\pm$ 6	40% $\pm$ 6	40% $\pm$ 6		
50-59 (n=194)	100%	84% $\pm$ 3	71% $\pm$ 3	62% $\pm$ 4	60% $\pm$ 4	55% $\pm$ 4	54% $\pm$ 4	53% $\pm$ 4	52% $\pm$ 4	51% $\pm$ 4	51% $\pm$ 4	51% $\pm$ 4	51% $\pm$ 4	48% $\pm$ 5	48% $\pm$ 5	48% $\pm$ 5		
60-69 (n=399)	100%	83% $\pm$ 2	68% $\pm$ 2	61% $\pm$ 3	57% $\pm$ 3	52% $\pm$ 3	50% $\pm$ 3	50% $\pm$ 3	49% $\pm$ 3	47% $\pm$ 3	47% $\pm$ 3	47% $\pm$ 3	47% $\pm$ 3	47% $\pm$ 3	47% $\pm$ 3	47% $\pm$ 3		
70-79 (n=407)	100%	79% $\pm$ 2	68% $\pm$ 2	58% $\pm$ 3	54% $\pm$ 3	50% $\pm$ 3	49% $\pm$ 3	47% $\pm$ 3	46% $\pm$ 3	46% $\pm$ 3	45% $\pm$ 3	45% $\pm$ 3	40% $\pm$ 4	40% $\pm$ 4	40% $\pm$ 4	40% $\pm$ 4		
80+ (n=232)	100%	63% $\pm$ 3	52% $\pm$ 4	47% $\pm$ 4	41% $\pm$ 4	40% $\pm$ 4	37% $\pm$ 4	36% $\pm$ 4	33% $\pm$ 4	33% $\pm$ 4	33% $\pm$ 4	33% $\pm$ 4	33% $\pm$ 4	33% $\pm$ 4	33% $\pm$ 4	33% $\pm$ 4		
<b>Sex:</b>																	p=0.776	
Males (n=756)	100%	80% $\pm$ 1	67% $\pm$ 2	58% $\pm$ 2	53% $\pm$ 2	49% $\pm$ 2	48% $\pm$ 2	47% $\pm$ 2	45% $\pm$ 2	44% $\pm$ 2	43% $\pm$ 2	43% $\pm$ 2	42% $\pm$ 2	42% $\pm$ 2	42% $\pm$ 2	42% $\pm$ 2		
Females (n=564)	100%	76% $\pm$ 2	64% $\pm$ 2	57% $\pm$ 2	54% $\pm$ 2	50% $\pm$ 2	48% $\pm$ 2	47% $\pm$ 2	46% $\pm$ 2	45% $\pm$ 3	45% $\pm$ 3	45% $\pm$ 3	43% $\pm$ 3	42% $\pm$ 3	42% $\pm$ 3	42% $\pm$ 3		
<b>Residence:</b>																	p=0.206	
Adelaide (n=1,014)	100%	79% $\pm$ 1	66% $\pm$ 2	59% $\pm$ 2	55% $\pm$ 2	51% $\pm$ 2	49% $\pm$ 2	48% $\pm$ 2	46% $\pm$ 2	46% $\pm$ 2	45% $\pm$ 2	45% $\pm$ 2	44% $\pm$ 2	44% $\pm$ 2	43% $\pm$ 2	43% $\pm$ 2		
Country SA (n=306)	100%	78% $\pm$ 2	63% $\pm$ 3	55% $\pm$ 3	50% $\pm$ 3	47% $\pm$ 3	45% $\pm$ 3	45% $\pm$ 3	42% $\pm$ 3	39% $\pm$ 4	39% $\pm$ 4	39% $\pm$ 4	37% $\pm$ 4	37% $\pm$ 4	37% $\pm$ 4	37% $\pm$ 4		

**TABLE 3 (cont.): Case survivals ( $\pm$  SE) from primary cancer: RAH and FMC cancer registries, 1980-97\***

Category		Period from diagnosis (yrs.)															P value**
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
<b>ACPS stage:</b>																	
A (n=278)	100%	96% $\pm$ 1	93% $\pm$ 2	90% $\pm$ 2	87% $\pm$ 2	85% $\pm$ 2	82% $\pm$ 3	82% $\pm$ 3	79% $\pm$ 3	79% $\pm$ 3	75% $\pm$ 3	75% $\pm$ 3	74% $\pm$ 4	74% $\pm$ 4	74% $\pm$ 4	74% $\pm$ 4	p<0.001
B (n=372)	100%	92% $\pm$ 1	85% $\pm$ 2	76% $\pm$ 2	71% $\pm$ 3	64% $\pm$ 3	62% $\pm$ 3	60% $\pm$ 3	59% $\pm$ 3	56% $\pm$ 3	56% $\pm$ 3	56% $\pm$ 3	55% $\pm$ 3	54% $\pm$ 4	54% $\pm$ 4	54% $\pm$ 4	
C (n=351)	100%	84% $\pm$ 2	61% $\pm$ 3	51% $\pm$ 3	45% $\pm$ 3	40% $\pm$ 3	38% $\pm$ 3	37% $\pm$ 3	34% $\pm$ 3	33% $\pm$ 3	33% $\pm$ 3	33% $\pm$ 3	31% $\pm$ 3	31% $\pm$ 3	31% $\pm$ 3	31% $\pm$ 3	
D (n=240)	100%	37% $\pm$ 3	16% $\pm$ 3	8% $\pm$ 2	5% $\pm$ 2	4% $\pm$ 1	4% $\pm$ 1	4% $\pm$ 1	4% $\pm$ 1	4% $\pm$ 1	4% $\pm$ 1	4% $\pm$ 1	4% $\pm$ 1	4% $\pm$ 1	-	-	
UK (n=79)	(100%)	(55%) $\pm$ 6	(48%) $\pm$ 6	(46%) $\pm$ 6	(42%) $\pm$ 6	(39%) $\pm$ 6	(39%) $\pm$ 6	(35%) $\pm$ 7	(35%) $\pm$ 7	(35%) $\pm$ 7	(35%) $\pm$ 7	(35%) $\pm$ 7	(35%) $\pm$ 7	(35%) $\pm$ 7	(35%) $\pm$ 7	(35%) $\pm$ 7	
<b>Differentiation:</b>																	
Well (n=98)	100%	88% $\pm$ 3	80% $\pm$ 4	72% $\pm$ 5	68% $\pm$ 5	64% $\pm$ 5	62% $\pm$ 6	62% $\pm$ 6	62% $\pm$ 6	62% $\pm$ 6	62% $\pm$ 6	62% $\pm$ 6	58% $\pm$ 7	58% $\pm$ 7	58% $\pm$ 7	58% $\pm$ 7	p<0.001
Moderate (n=936)	100%	85% $\pm$ 1	71% $\pm$ 2	64% $\pm$ 2	59% $\pm$ 2	54% $\pm$ 2	53% $\pm$ 2	52% $\pm$ 2	50% $\pm$ 2	49% $\pm$ 2	48% $\pm$ 2	48% $\pm$ 2	47% $\pm$ 2	46% $\pm$ 2	46% $\pm$ 2	46% $\pm$ 2	
Poor/undiff. (n=148)	100%	53% $\pm$ 4	36% $\pm$ 4	26% $\pm$ 4	23% $\pm$ 4	21% $\pm$ 4	21% $\pm$ 4	16% $\pm$ 4	14% $\pm$ 4	14% $\pm$ 4	14% $\pm$ 4	14% $\pm$ 4	14% $\pm$ 4	14% $\pm$ 4	14% $\pm$ 4	-	
UK (n=138)	(100%)	(55%) $\pm$ 4	(46%) $\pm$ 4	(40%) $\pm$ 5	(37%) $\pm$ 5	(36%) $\pm$ 5	(36%) $\pm$ 5	(33%) $\pm$ 5	(31%) $\pm$ 5	(31%) $\pm$ 5	(31%) $\pm$ 5	(31%) $\pm$ 5	(31%) $\pm$ 5	(31%) $\pm$ 5	(31%) $\pm$ 5	(31%) $\pm$ 5	
<b>Sub-site:</b>																	
Rectum (n=985)	100%	78% $\pm$ 1	65% $\pm$ 2	58% $\pm$ 2	54% $\pm$ 2	50% $\pm$ 2	49% $\pm$ 2	48% $\pm$ 2	46% $\pm$ 2	45% $\pm$ 2	44% $\pm$ 2	44% $\pm$ 2	43% $\pm$ 2	43% $\pm$ 2	43% $\pm$ 2	43% $\pm$ 2	p=0.980
Rectosig. junct. (n=285)	100%	79% $\pm$ 2	67% $\pm$ 3	57% $\pm$ 3	55% $\pm$ 3	48% $\pm$ 3	47% $\pm$ 3	45% $\pm$ 3	44% $\pm$ 3	43% $\pm$ 3	43% $\pm$ 3	43% $\pm$ 3	41% $\pm$ 4	41% $\pm$ 4	41% $\pm$ 4	41% $\pm$ 4	
Anal/anorect. junct. (n=50)	100%	79% $\pm$ 6	70% $\pm$ 7	54% $\pm$ 8	52% $\pm$ 8	48% $\pm$ 8	48% $\pm$ 8	44% $\pm$ 8	44% $\pm$ 8	44% $\pm$ 8	44% $\pm$ 8	44% $\pm$ 8	44% $\pm$ 8	33% $\pm$ 11	-	-	
<b>Histology:</b>																	
Adenocarc. (n=1,108)	100%	81% $\pm$ 1	68% $\pm$ 1	61% $\pm$ 2	56% $\pm$ 2	52% $\pm$ 2	50% $\pm$ 2	49% $\pm$ 2	47% $\pm$ 2	46% $\pm$ 2	46% $\pm$ 2	46% $\pm$ 2	45% $\pm$ 2	45% $\pm$ 2	45% $\pm$ 2	45% $\pm$ 2	p=0.021
Muc. adeno. (n=127)	100%	76% $\pm$ 4	57% $\pm$ 5	49% $\pm$ 5	47% $\pm$ 5	40% $\pm$ 5	39% $\pm$ 5	39% $\pm$ 5	39% $\pm$ 5	36% $\pm$ 5	36% $\pm$ 5	36% $\pm$ 5	32% $\pm$ 6	32% $\pm$ 6	32% $\pm$ 6	32% $\pm$ 6	
SCC (n=33)	100%	75% $\pm$ 8	67% $\pm$ 9	50% $\pm$ 10	50% $\pm$ 10	42% $\pm$ 11	42% $\pm$ 11	34% $\pm$ 12	34% $\pm$ 12	34% $\pm$ 12	34% $\pm$ 12	34% $\pm$ 12	34% $\pm$ 12	22% $\pm$ 12	-	-	
Other/UK (n=52)	(100%)	(35%) $\pm$ 7	(28%) $\pm$ 7	(23%) $\pm$ 6	(23%) $\pm$ 6	(23%) $\pm$ 6	(23%) $\pm$ 6	(23%) $\pm$ 6	(23%) $\pm$ 6	(23%) $\pm$ 6	(23%) $\pm$ 6	(23%) $\pm$ 6	(23%) $\pm$ 6	(23%) $\pm$ 6	(-)	(-)	

\* Date of censoring: December 31<sup>st</sup>, 1997.

\*\* As indicated by Cox proportional hazards regression. Data in brackets excluded from comparisons.

NB: RAH = Royal Adelaide Hospital. FMC = Flinders Medical Centre.

**TABLE 4:** *Principal type of surgery as part of the primary course of treatment: RAH and FMC cancer registries, 1980-97\****RECTUM CANCER**

<i>Surgery type</i>	<i>Diagnostic period</i>			<i>Total (n=1,219)</i>
	<i>1980-85 (n=389)</i>	<i>1986-91 (n=422)</i>	<i>1992-97 (n=408)</i>	
Anterior resection	51.7%	58.3%	57.8%	56.0%
AP resection	34.2%	20.6%	14.7%	23.0%
Hartmann resection	4.1%	7.8%	6.6%	6.2%
Local excision	6.4%	10.4%	17.2%	11.4%
Other	3.6%	2.8%	3.7%	3.4%
<b>Total</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>

\* *As a percentage of cases treated surgically.*

*NB: RAH = Royal Adelaide Hospital. FMC = Flinders Medical Centre.*