

Appendix 1. Yield of non-advanced adenoma (NAA) at surveillance endoscopy according to number of adenomas at index colonoscopy and timing of surveillance according to the guidelines (n = 1,904)

Period of index colonoscopy	Recommended interval	NAA, % (n/ n total)			
		Too early	Appropriate ^a	Delayed	Total
<i>June 1998 - 2001</i>					
1 adenoma	2-3 year	17% (68/389)	21% (81/384)	21% (63/298)	20% (212/1071)
2 adenomas	1 year	25% (4/16)	23% (21/90)	28% (45/159)	26% (70/265)
3+ adenomas	1 year	29% (4/14)	31% (21/68)	28% (25/89)	29% (50/171)
<i>Overall</i>		<i>18% (76/419)</i>	<i>23% (123/542)</i>	<i>24% (133/546)</i>	<i>22% (332/1507)</i>
<i>In 2002</i>					
1 adenoma	6 year	16% (31/193)	18% (5/28)	0% (0/3)	16% (36/224)
2 adenomas	6 year	27% (23/86)	17% (2/12)	-	26% (25/98)
3+ adenomas	3 year	27% (12/44)	45% (9/20)	36% (5/11)	35% (26/75)
<i>Overall</i>		<i>20% (66/323)</i>	<i>27% (16/60)</i>	<i>36% (5/14)</i>	<i>22% (87/397)</i>
<i>Total</i>		<i>19% (142/742)</i>	<i>23% (139/602)</i>	<i>25% (138/560)*</i>	<i>22% (419/1904)</i>

NAA includes adenomas with size smaller than 10 mm at pathology or endoscopy, tubular or tubulovillous histology and low-grade dysplasia

^a Appropriate interval, before 2002: 1-year plus or minus 3 months, 2-3 years plus or minus 6 months; and in 2002: 3- or 6-years plus or minus 6 months*

* Significant at level $P < 0.05$

Appendix 2. Sub analyses: comparison (*P* values) of Kaplan-Meier probability curves for surveillance colonoscopy use by month from index colonoscopy between various subgroups

Period of index colonoscopy	Five hospitals with data over complete period versus the other hospitals	June 1998 - Oct 2000 vs. transitional phase (Oct 2000 – Dec 2001)	1st half vs. 2nd half of 2002	Academic vs. non-academic hospital	Active vs. passive follow-up system
<i>June 1998 - 2001</i>					
1 adenoma	<i>P</i> = 0.86	<i>P</i> < 0.01	n.a.	<i>P</i> < 0.01	<i>P</i> = 0.77
2 adenomas	<i>P</i> = 0.52	<i>P</i> = 0.17	n.a.	<i>P</i> = 0.03	<i>P</i> = 0.52
3+ adenomas	<i>P</i> = 0.10	<i>P</i> = 0.63	n.a.	<i>P</i> = 0.63	<i>P</i> = 0.03
<i>Overall</i>	<i>P</i> = 0.55	<i>P</i> < 0.01	<i>n.a.</i>	<i>P</i> < 0.01	<i>P</i> = 0.34
<i>2002</i>					
1 adenoma	<i>P</i> = 0.95	n.a.	<i>P</i> = 0.34	<i>P</i> = 0.85	<i>P</i> = 0.46
2 adenomas	<i>P</i> = 0.68	n.a.	<i>P</i> = 0.41	<i>P</i> = 0.54	<i>P</i> = 0.05
3+ adenomas	<i>P</i> = 1.00	n.a.	<i>P</i> = 0.62	<i>P</i> = 0.33	<i>P</i> = 0.04
<i>Overall</i>	<i>P</i> = 0.67	<i>n.a.</i>	<i>P</i> = 0.41	<i>P</i> = 0.92	<i>P</i> < 0.01