

Supplementary Appendix 1

Table A: Patient Characteristics by Managed Cancer Network for patients diagnosed with colon or rectal cancer in Scotland between January 2006 and December 2018: Demographics

		Total cohort N = 44,875											
		Colon/Sigmoid						Rectal					
		SCAN		WoSCAN		NoSCAN		SCAN		WoSCAN		NoSCAN	
		N = 11,344		N = 13,186		N = 8,161		N = 4,110		N = 4,880		N = 3,194	
		n	%	n	%	n	%	n	%	n	%	n	%
Sex	Male	5,890	51.9	6,888	52.2	4,211	51.6	2,544	61.9	2,998	61.4	1,990	62.3
	Female	5,454	48.1	6,298	47.8	3,950	48.4	1,566	38.1	1,882	38.6	1,204	37.7
Age	18–34	112	1.0	85	0.6	68	0.8	33	0.8	39	0.8	19	0.6
	35–44	203	1.8	280	2.1	115	1.4	101	2.5	141	2.9	83	2.6
	45–54	775	6.8	997	7.6	588	7.2	419	10.2	493	10.1	315	9.9
	55–64	1,925	17.0	2,371	18.0	1,426	17.5	889	21.6	1,122	23.0	743	23.3
	65–74	3,382	29.8	4,077	30.9	2,464	30.2	1,276	31.0	1,542	31.6	958	30.0
	75–84	3,488	30.7	3,936	29.8	2,523	30.9	1,025	24.9	1,158	23.7	814	25.5
	85+	1,459	12.9	1,440	10.9	977	12.0	367	8.9	385	7.9	262	8.2
SIMD Quintile	1	1,743	15.4	3,969	30.1	584	7.2	638	15.5	1,500	30.7	230	7.2
	2	2,542	22.4	3,182	24.1	1,269	15.5	898	21.8	1,182	24.2	554	17.3
	3	2,687	23.7	2,154	16.3	2,162	26.5	905	22.0	788	16.1	823	25.8
	4	2,048	18.1	1,762	13.4	2,436	29.8	812	19.8	650	13.3	974	30.5
	5	2,324	20.5	2,119	16.1	1,710	21.0	857	20.9	760	15.6	613	19.2
Urban/Rural	Urban	8,716	76.8	11,715	88.8	4,588	56.2	3,157	76.8	4,322	88.6	1,763	55.2
	Remote or Rural	2,628	23.2	1,471	11.2	3,573	43.8	953	23.2	558	11.4	1,431	44.8
Cancer Network	SCAN	11,344	100.0	–	–	–	–	4,110	100.0	–	–	–	–
	WoSCAN	–	–	13,186	100.0	–	–	–	–	4,880	100.0	–	–
	NoSCAN	–	–	–	–	8,161	100.0	–	–	–	–	3,194	100.0

Table B: Patient Characteristics by Managed Cancer Network for patients diagnosed with colon or rectal cancer in Scotland between January 2006 and December 2018: Diagnosis

		Total cohort N = 44,875											
		Colon/Sigmoid						Rectal					
		SCAN		WoSCAN		NoSCAN		SCAN		WoSCAN		NoSCAN	
		N = 11,344		N = 13,186		N = 8,161		N = 4,110		N = 4,880		N = 3,194	
		n	%	n	%	n	%	n	%	n	%	n	%
Tumour stage	I	1,430	12.6	1,785	13.5	924	11.3	947	23.0	991	20.3	713	22.3
	II	3,231	28.5	3,310	25.1	2,368	29.0	792	19.3	869	17.8	649	20.3
	III	2,895	25.5	2,988	22.7	2,152	26.4	926	22.5	908	18.6	690	21.6
	IV	2,414	21.3	3,049	23.1	1,706	20.9	642	15.6	857	17.6	448	14.0
	Unknown	1,374	12.1	2,054	15.6	1,011	12.4	803	19.5	1,255	25.7	694	21.7
Method 1st detection	Screening	1,366	12.0	1,812	13.7	1,254	15.4	560	13.6	735	15.1	504	15.8
	Incidental finding	337	3.0	343	2.6	304	3.7	74	1.8	73	1.5	59	1.8
	Clinical presentation	9,543	84.1	10,890	82.6	6,478	79.4	3,424	83.3	4,031	82.6	2,610	81.7
	Interval cancer, other	39	0.3	23	0.2	90	1.1	18	0.4	41	0.8	21	0.7
	Unknown	59	0.5	118	0.9	35	0.4	34	0.8	82	0.7	82	0.7
Year of diagnosis	2006–2008	2,565	22.6	3,019	22.9	1,968	24.1	977	23.8	1,205	24.7	759	23.8
	2009–2011	2,881	25.4	3,380	25.6	2,037	25.0	1,105	26.9	1,185	24.3	804	25.2
	2012–2014	2,826	24.9	3,278	24.9	1,882	23.1	962	23.4	1,130	23.2	731	22.9
	2015–2018	3,072	27.1	3,509	26.6	2,274	27.9	1,066	25.9	1,360	27.9	900	28.2

Table C: Patient Characteristics by Managed Cancer Network for patients diagnosed with colon or rectal cancer in Scotland between January 2006 and December 2018:Treatment

		Total cohort N = 44,875											
		Colon/Sigmoid						Rectal					
		SCAN		WoSCAN		NoSCAN		SCAN		WoSCAN		NoSCAN	
		N = 11,344		N = 13,186		N = 8,161		N = 4,110		N = 4,880		N = 3,194	
		n	%	n	%	n	%	n	%	n	%	n	%
Therapy objectives	Curative	7,302	64.4	7,476	56.7	4,535	55.6	2,819	68.6	2,836	58.1	1,930	60.4
	Palliative	3,783	33.3	4,928	37.4	2,691	33.0	1,173	28.5	1,659	34.0	827	25.9
	Unknown	259	2.3	782	5.9	935	11.5	118	2.9	385	7.9	437	13.7
Chemotherapy	No	8,093	71.3	8,991	68.2	5,639	69.1	2,543	61.9	2,534	51.9	1,845	57.8
	Yes/planned	3,192	28.1	3,950	30.0	2,512	30.8	1,544	37.6	2,248	46.1	1,344	42.1
	Not known	59	0.5	245	1.9	10	0.1	23	0.6	98	2.0	5	0.2
Radiotherapy	No	11,060	97.5	12,635	95.8	7,861	96.3	2,534	61.7	2,917	59.8	1,754	54.9
	Yes/planned	218	1.9	257	1.9	300	3.7	1,539	37.4	1,818	37.3	1,436	45.0
	Not known	66	0.6	294	2.2	368	1.1	37	0.9	1	0.0	4	0.1
Surgery	No	2,516	22.2	3,716	28.2	1,914	23.5	991	24.1	1,502	30.8	867	27.1
	Yes/planned	8,807	77.6	9,386	71.2	6,247	76.5	3,108	75.6	3,331	68.3	2,326	72.8
	Not known	21	0.2	84	0.6	110	0.3	11	0.3	47	1.0	1	0.0
Inpatient episodes	Mean	1.95	–	2.20	–	1.75	–	1.99	–	2.07	–	1.77	–
Comorbidity score	Mean	0.07	–	0.07	–	0.07	–	0.06	–	0.05	–	0.07	–

