

Supplementary Results, National Bowel Cancer Audit (NBOCA) State of the Nation Report 2026

Supplementary Table 1: Description of the 37,250 people diagnosed with bowel cancer between 1 January 2024 and 31 December 2024 in England and Wales

		England		Wales	
		Number	%	Number	%
Total no. patients		35,069		2,181	
Sex	Male	19,231	54.8	1,242	56.9
	Female	15,838	45.2	939	43.1
Age-group	<50 yrs	2,687	7.7	134	6.1
	50-59 yrs	4,741	13.5	290	13.3
	60-74 yrs	12,639	36.0	863	39.6
	75-79 yrs	5,630	16.1	362	16.6
	80-84 yrs	4,820	13.7	284	13.0
	85+ yrs	4,552	13.0	248	11.4
	Missing (% of total)	6,008 (17.1)		112 (5.1)	
WHO Performance Status¹	0 (fully active)	15,937	54.8	1,007	48.7
	1	7,895	27.2	631	30.5
	2	3,273	11.3	255	12.3
	3	1,593	5.5	150	7.2
	4 (bedbound)	363	1.2	26	1.3
	Missing (% of total)	6,008 (17.1)		112 (5.1)	
Ethnicity²	White	30,725	92.3	999	98.7
	Mixed/Multi Ethnic	205	0.6	0	0.0
	Asian	1,064	3.2	6	0.6
	Black	716	2.2	<5	<0.5
	Other	575	1.7	<5	<0.5
	Missing/ Not Known (% of total)	1,784 (5.1)		1,169 (53.6)	
IMD (quintile)	1 (Most deprived)	5,681	16.2	329	15.6
	2	6,455	18.4	376	17.8
	3	7,321	20.9	440	20.9
	4	7,811	22.3	482	22.9
	5 (Least deprived)	7,801	22.2	481	22.8
	Missing (% of total)	0 (0.0)		73 (3.3)	
Cancer site	Colon	24,524	69.9	1,521	69.7
	Rectosigmoid	1,469	4.2	106	4.9
	Rectal	9,076	25.9	554	25.4
Cancer stage	1	7,086	22.5	406	20.8
	2	7,767	24.6	391	20.0
	3	10,040	31.8	769	39.3
	4	6,643	21.1	389	19.9
	Missing (% of total)	3,533 (10.1)		226 (10.4)	
Surgical Procedure	Major Resection	19,954	56.9	1,291	59.2
	Surgical Local Excision³	415	1.2	15	0.7
	Excisional Endoscopy³	2,071	5.9	46	2.1
	Stoma	1,112	3.2	53	2.4
	Stent	354	1.0	<5	<0.5
	None Reported	11,163	31.8	772	35.4
Referral Method	Emergency presentation	6,659	19.0	300	13.8
	GP Referral	5,242	14.9	1018	46.7
	Urgent Suspected Cancer⁴	14,393	41.0	0	0.0
	Screening Referral	4,573	13.0	324	14.9
	Other	3,652	10.4	532	24.4
	Not Known	550	1.6	7	0.3

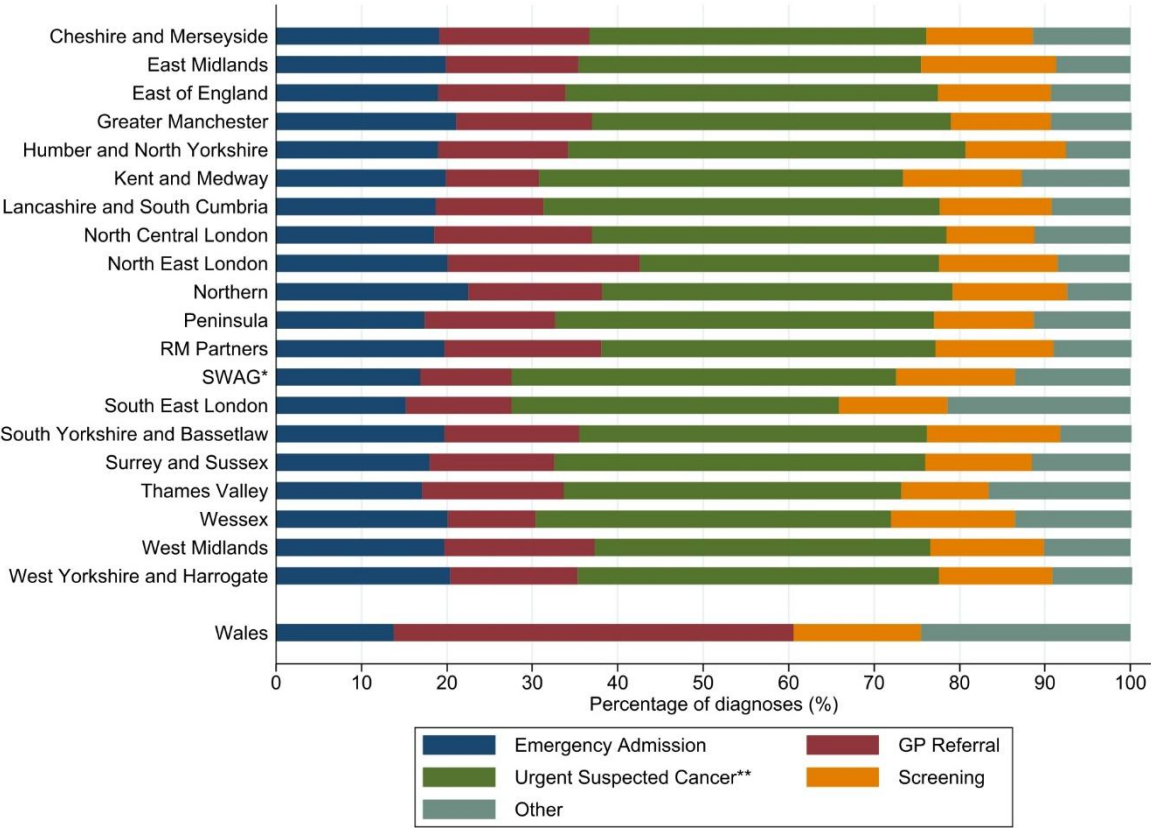
¹ WHO Performance Status. 0 = Fully active, 1 = Some restriction but cares for self, 2 = Ambulatory >50% of time, occasional assistance needed, 3 = Ambulatory ≤50% of time, nursing care needed, 4 = Bedbound.

² Ethnicity obtained from NDRS rapid registration data for England and PEDW for Wales

³ Previously reported combined as "Local Excision"

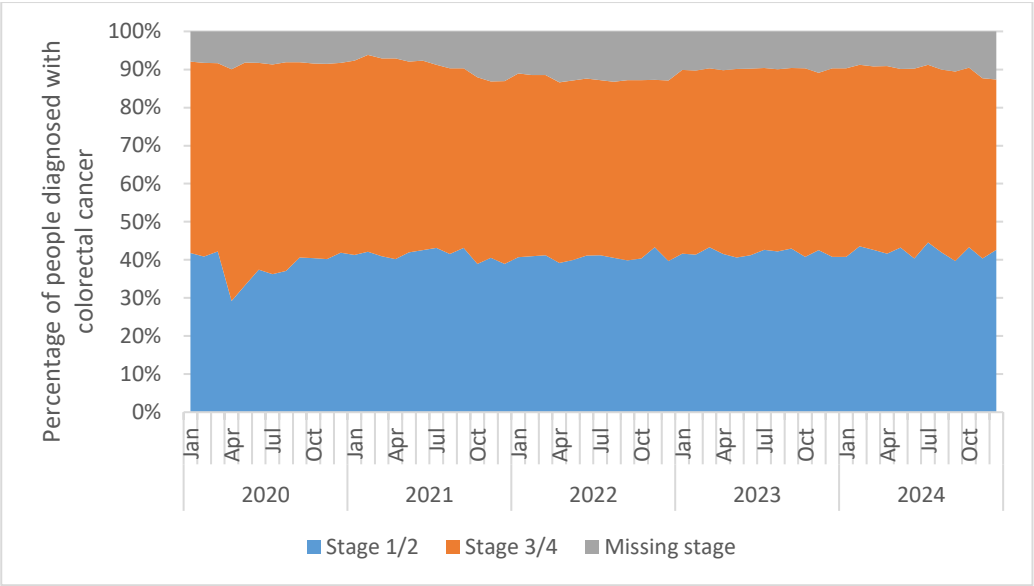
⁴ Urgent Suspected Cancer previously known as "Two Week Wait" is not a category within Welsh data

Supplementary Figure 1: Referral source of the 36,684^ people diagnosed with bowel cancer between 1 January 2024 and 31 December 2024, by Cancer Alliance (England)/country (Wales)

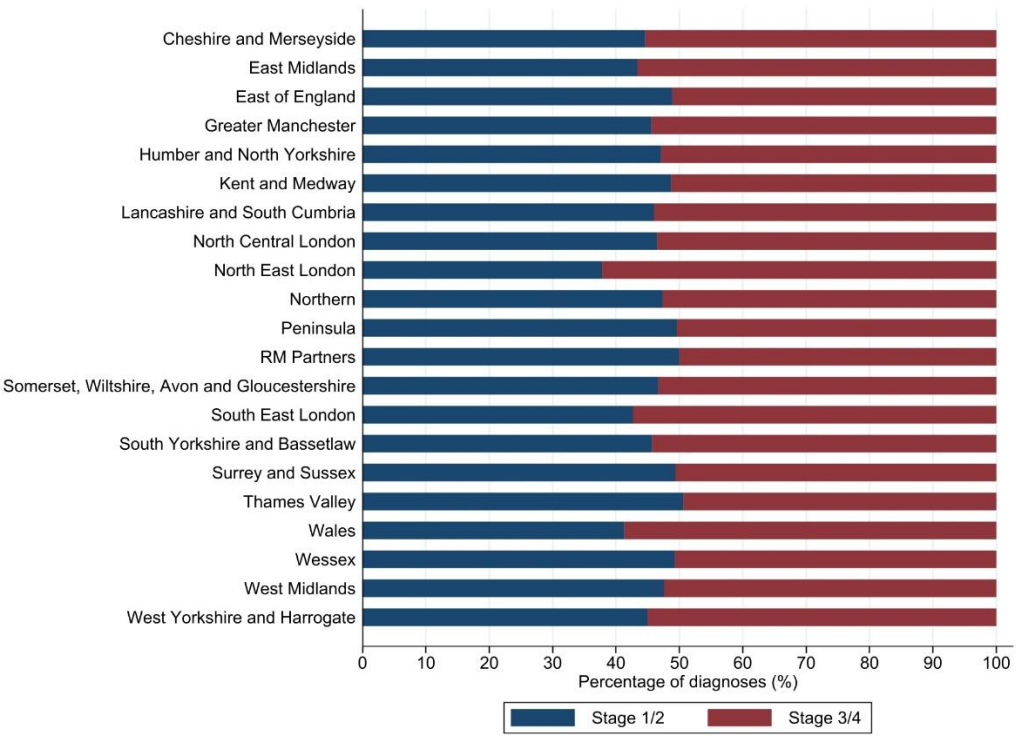


^ 556 people with recorded referral source "Not Known" excluded and 10 people not allocated a cancer alliance.
 Data for England and Wales derived from different variables: England final route (RCRD) and Wales source of referral.
 * Somerset, Wiltshire, Avon and Gloucestershire
 ** Urgent Suspected Cancer previously known as "Two Week Wait" is not a category within Welsh data

Supplementary Figure 2: Pre-treatment staging* of people diagnosed with bowel cancer between 01 January 2020 and 31 December 2024 in England and Wales



Supplementary Figure 3: Pre-treatment staging* of people diagnosed with bowel cancer between 01 January 2024 and 31 December 2024 and complete staging recorded, by Cancer Alliance (England)/country (Wales)



*England: Stage 1-4 as recorded in RCRD

Wales: Stage calculated as follows:

Stage I: T1/T2, N0, M0

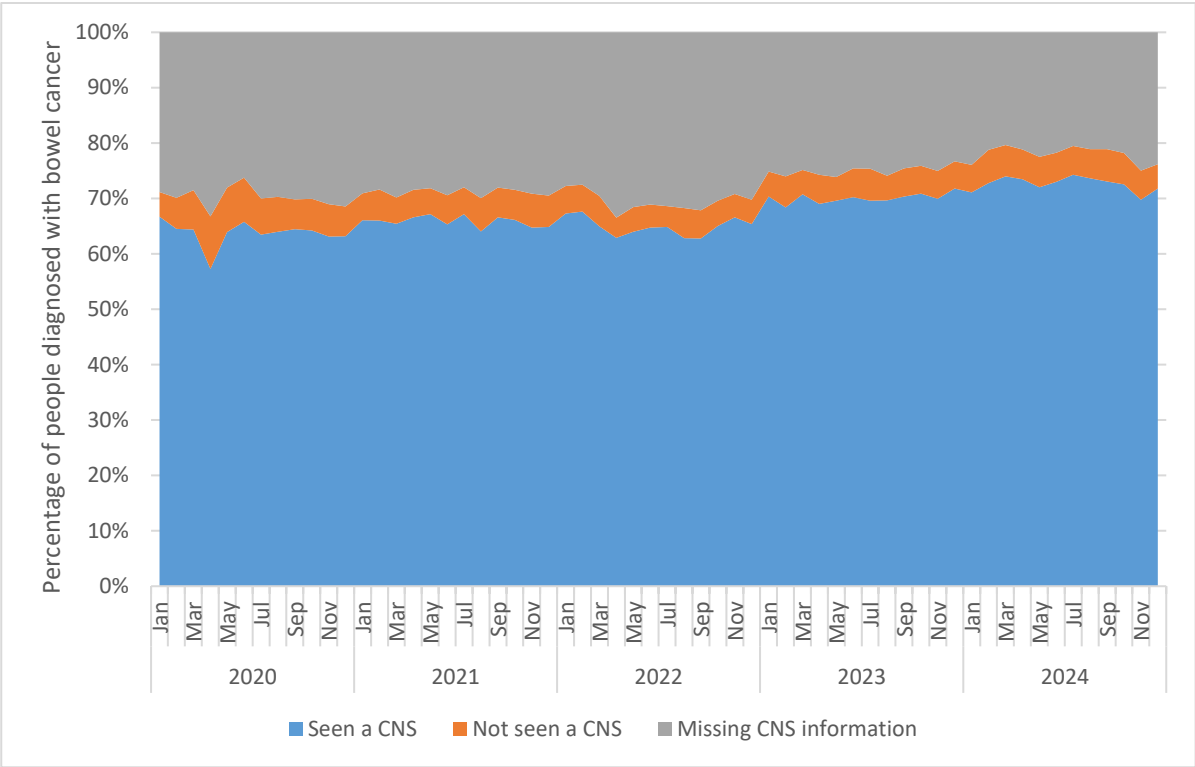
Stage IV: any T, any N, M1

Stage II: T3/T4, N0, M0

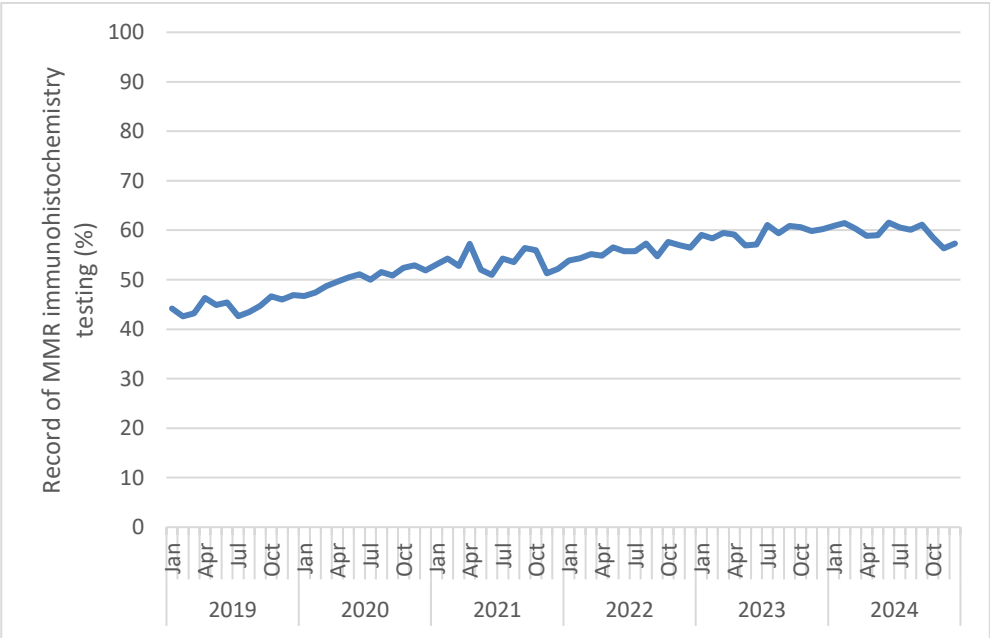
Incomplete stage: missing N or M-stage

Stage III: any T, N1/N2, M0

Supplementary Figure 4: Proportion of people diagnosed with bowel cancer between 01 January 2020 and 31 December 2024 recorded as seeing a Clinical Nurse Specialist (CNS), in England and Wales



Supplementary Figure 5: Proportion of people diagnosed with histologically bowel cancer between 01 January 2019, and 31 December 2024 recorded as having undergone mismatch repair (MMR) immunohistochemistry testing, in England.



Supplementary Table 2: Proportion of people with MMR deficient (dMMR) bowel cancer among 77,897 people diagnosed in England between 1 January 2019 and 31 December 2024 with a record of MMR immunohistochemistry testing, by patient and tumour characteristics

		MMR immunohistochemistry result		
		Total no. people	MMR deficient (dMMR)	
		Number	Number	%
Total no. people		77,897	11,756	15.1
Sex	Male	44,068	4,571	10.4
	Female	33,829	7,185	21.2
Age-group	<30 yrs	253	63	24.9
	30-39 yrs	1,708	278	16.3
	40-49 yrs	4,760	530	11.1
	50-59 yrs	10,990	871	7.9
	60-69 yrs	19,861	2,085	10.5
	70-79 yrs	25,430	4,514	17.8
	80+ yrs	14,895	3,415	22.9
WHO Performance Status	0	38,185	5,072	13.3
	1	18,116	3,135	17.3
	2	5,338	1,040	19.5
	3+	1,931	327	16.9
	Missing	14,327	2,182	15.2
IMD (quintile)	1 (Most deprived)	11,320	1,666	14.7
	2	14,061	2,036	14.5
	3	16,681	2,551	15.3
	4	17,546	2,715	15.5
	5 (Least deprived)	18,289	2,788	15.2
Cancer site	Colon	53,716	11,158	20.8
	Rectosigmoid	2,429	69	2.8
	Rectal	21,752	529	2.4
Cancer stage	1	16,009	2,240	14
	2	19,774	4,333	21.9
	3	24,849	3,592	14.5
	4	11,393	770	6.8
	Missing	5,872	821	14

Supplementary Table 3: Proportion of people with BRAF mutated bowel cancer among 6,585 people diagnosed at stage 4 in England between 1 January 2019 and 31 December 2023 with a record of BRAF testing, by patient and tumour characteristics

		BRAF result		
		Total no. people	BRAF mutation	
			Number	%
Total no. people		6,585	1,030	15.6
Sex	Male	3,803	440	11.6
	Female	2,782	590	21.2
Age Group	<50 yrs	807	151	18.7
	50-59 yrs	1,279	136	10.6
	60-69 yrs	1,797	238	13.2
	70-79 yrs	2,052	388	18.9
	80+ yrs	650	117	18
WHO Performance Status	0	3,008	424	14.1
	1	1,800	288	16
	2	561	101	18
	3+	239	59	24.7
	Missing	977	158	16.2
IMD (quintile)	1 (Most deprived)	1,308	178	13.6
	2	1,231	188	15.3
	3	1,339	219	16.4
	4	1,345	210	15.6
	5 (Least deprived)	1,362	235	17.3
Cancer site	Colon	4,476	895	20
	Rectosigmoid	268	19	7.1
	Rectal	1,841	116	6.3

Supplementary Table 4: Number of people diagnosed with bowel cancer and their reported surgical procedure within 9 months of diagnosis, by year of diagnosis (England and Wales)

	2020		2021		2022		2023		2024	
	N	%	N	%	N	%	N	%	N	%
Total	32,504		39,935		37,983		39,157		37,250	
Major Resection	18,611	57.3	23,137	57.9	21,450	56.5	21,643	55.3	20,293	54.5
Surgical Local Excision¹	302	0.9	421	1.1	422	1.1	467	1.2	420	1.1
Excisional Endoscopy¹	1,400	4.3	2,052	5.1	2,045	5.4	2,261	5.8	2,105	5.7
Non-resectional Surgery²	1,533	4.7	1,702	4.3	1,696	4.5	1,702	4.4	1,476	4.0
No Colorectal Surgery	10,658	32.8	12,623	31.6	12,370	32.6	13,084	33.4	12,956	34.8

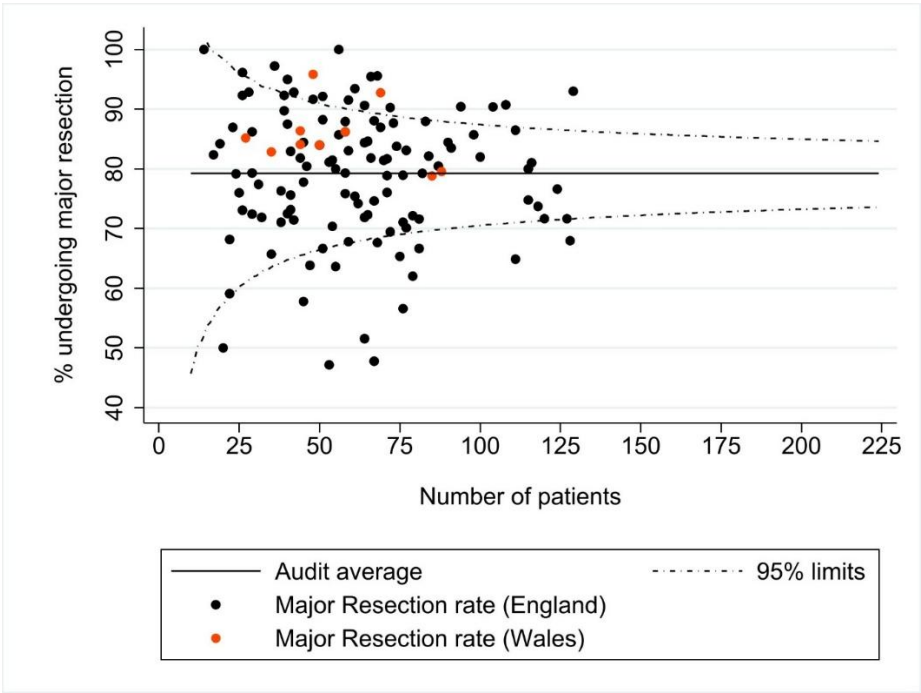
¹ Previously reported combined as "Local Excision"

² Stoma only or stent insertion

In previous years no time limit applied to reporting of surgery. Equivalent major resection results presented below:

	2020		2021		2022		2023		2024	
	N	%	N	%	N	%	N	%	N	%
Major Resection	19,473	59.9	24,360	61.0	22,757	59.9	22,953	58.6	21,245	57.0

Supplementary Figure 6: Proportion of people diagnosed with colon cancer (T2–T4*) between 01 January and 31 December 2024 undergoing a major resection, by English NHS trust/Welsh MDT with more than ten people



*pre-treatment staging

Supplementary Table 5: Management of people with rectal cancer as reported to NBOCA in England and Wales, by year of diagnosis

	2020		2021		2022		2023		2024	
	N	%	N	%	N	%	N	%	N	%
Total	8,629		10,775		10,205		10,337		9,630	
Major Resection	4,606	53.6	5,815	54.1	5,324	52.3	5,142	49.9	4,485	46.7
Surgical Local Excision¹	310	3.6	446	4.2	445	4.4	471	4.6	422	4.4
Excisional Endoscopy¹	508	5.9	734	6.8	763	7.5	855	8.3	825	8.6
Non-resectional Surgery	592	6.9	707	6.6	673	6.6	648	6.3	562	5.8
No Surgery	2,583	30.0	3,040	28.3	2,976	29.2	3,196	31.0	3,317	34.5

¹ Previously reported combined as "Local Excision"

Supplementary Table 6: Type of major resection performed for people with rectal cancer in England and Wales, by year of surgery

	2020		2021		2022		2023		2024	
	N	%	N	%	N	%	N	%	N	%
Total	5,151		4,417		5,503		5,092		4,734	
Anterior Resection	3,154	61.2	2,598	58.8	3,424	62.2	3,077	60.4	2,891	61.1
Abdomino-perineal excision of rectum (APER)	1,424	27.6	1,297	29.4	1,485	27.0	1,461	28.7	1,369	28.9
Hartmann's	395	7.7	407	9.2	437	7.9	421	8.3	360	7.6
Other	178	3.5	115	2.6	157	2.9	133	2.6	114	2.4

Supplementary Table 7: Stoma status within 30 days of surgery and 18 months post-surgery for people undergoing an anterior resection in England and Wales, by year of surgery

		2019-20		2020-21		2021-22		2022-23		2023-24	
		N	%	N	%	N	%	N	%	N	%
Total		3,154		2,598		3,424		3,077		2,891	
Stoma status within 30d of surgery	No stoma	816	25.9	617	23.7	877	25.6	839	27.3	810	28.0
	Ileostomy	1,840	58.3	1,447	55.7	1,952	57.0	1,700	55.2	1,524	52.7
	Colostomy	498	15.8	534	20.6	595	17.4	538	17.5	557	19.3
	Ileostomy at 12 months in people with Ileostomy at surgery	1,135	61.7	822	56.8	1,081	55.4	924	54.4	745	48.9
	Ileostomy at 18 months in people with Ileostomy at surgery	875	47.6	565	39.0	755	38.7	660	38.8	517	33.9

Supplementary Table 8: Characteristics by cancer stage for the 9,630 people diagnosed with rectal cancer in England between 1 January 2024 and 31 December 2024

		Stage 1		Stage 2/3		Stage 4		Missing stage	
		N	%	N	%	N	%	N	%
Total No People diagnosed with rectal cancer		2,513		4,865		1,549		703	
Sex	Male	1,576	62.7	3,104	63.8	1,008	65.1	397	56.5
	Female	937	37.3	1,761	36.2	541	34.9	306	43.5
Age-group	<50 yrs	148	5.9	505	10.4	150	9.7	52	7.4
	50-59 yrs	402	16.0	823	16.9	276	17.8	80	11.4
	60-74 yrs	1,096	43.6	1,872	38.5	621	40.1	209	29.7
	75-84 yrs	380	15.1	721	14.8	218	14.1	83	11.8
	85+ yrs	197	7.8	418	8.6	135	8.7	180	25.6
WHO Performance Status ¹	0 (fully active)	1,442	65.7	2,790	63.0	734	52.5	163	43.6
	1	526	24.0	1,087	24.5	382	27.3	76	20.3
	2	172	7.8	387	8.7	157	11.2	66	17.6
	3	43	2.0	136	3.1	104	7.4	50	13.4
	4 (bedbound)	13	0.6	31	0.7	20	1.4	19	5.1
	Missing (% of total)	317 (12.6)		434 (8.9)		152 (9.8)		329 (46.8)	
Referral Method	Emergency presentation	117	4.7	307	6.3	300	19.4	190	27.0
	GP Referral	495	19.7	821	16.9	256	16.5	170	24.2
	Urgent Suspected Cancer ²	1,008	40.1	2,581	53.1	723	46.7	188	26.7
	Screening Referral	569	22.6	669	13.8	96	6.2	58	8.3
	Other	302	12.0	427	8.8	139	9.0	81	11.5
	Not Known	22	0.9	60	1.2	35	2.3	16	2.3
IMD (quintile)	1 (Most deprived)	368	14.7	837	17.3	308	19.9	124	17.7
	2	448	17.9	872	18.0	303	19.6	121	17.3
	3	541	21.6	1,028	21.3	336	21.7	140	20.0
	4	567	22.6	1,042	21.6	300	19.4	157	22.4
	5 (Least deprived)	584	23.3	1,056	21.8	300	19.4	159	22.7
	Missing (% of total)	5 (0.2)		30 (0.6)		2 (0.1)		2 (0.3)	
Surgical Procedure	Anterior Resection	834	33.2	1,749	36.0	116	7.5	70	10.0
	APER/Pelvic Exenteration	311	12.4	820	16.9	73	4.7	25	3.6
	Hartmann's	58	2.3	184	3.8	25	1.6	5	0.7
	Local Excision	716	28.5	312	6.4	122	7.9	97	13.8
	Other Resection	53	2.1	125	2.6	27	1.7	10	1.4
	Stent/Stoma	10	0.4	259	5.3	292	18.9	20	2.8
	None	531	21.1	1,416	29.1	894	57.7	476	67.7
Neo-adjuvant Radiotherapy (RT)	None ³	2,050	81.6	2,472	50.8	1,100	71.0	600	85.3
	Long Course (LCRT)	247	9.8	1,610	33.1	171	11.0	54	7.7
	Short Course (SCRT)	216	8.6	783	16.1	278	17.9	49	7.0

Stage 1: T1/2, N0, M0

Stage 2/3: any T, N1/N2, M0 or T3/4, N0, M0

Stage 4: any T, any N, M1

Missing stage: any other staging that includes missing data that prevents classification

¹ WHO Performance Status. 0 = Fully active, 1 = Some restriction but cares for self, 2 = Ambulatory >50% of time, occasional assistance needed, 3 = Ambulatory ≤50% of time, nursing care needed, 4 = Bedbound.

² Urgent Suspected Cancer previously known as "Two Week Wait" is not a category within Welsh data

³ Includes people with radiotherapy records that cannot be classified into long or short-course regimens

Supplementary Figure 7: Adjusted cancer-specific 2-year survival rate for people who underwent a major resection between 1 April 2022 and 31 December 2022, by English NHS trust/Welsh MDT with more than ten people

