

COSD mapping for Appendix F Reporting proforma for colorectal carcinoma resection specimens in list format

RCPATH Data set item element name	Values	Implementation comments	COSD Pathology v4.0.2 (2020)	COSD Pathology v5.1.1 (2024)
Surname			<i>CR0050 - Person Family Name</i>	<i>CR0050 - Person Family Name</i>
Forenames			<i>CR0060 - Person Given Name</i>	<i>CR0060 - Person Given Name</i>
Date of birth			<i>CR0100 - Person Birth Date</i>	<i>CR0100 - Person Birth Date</i>
Sex			<i>CR3170 - Person Stated Gender Code</i>	<i>CR3170 - Person Stated Gender Code</i>
Hospital			<i>pCR0800 - Organisation Identifier (of Reporting Pathologist)</i>	<i>pCR0800 - Organisation Identifier (of Reporting Pathologist)</i>
Hospital no			<i>CR0020 - Local Patient Identifier</i>	<i>CR0020 - Local Patient Identifier</i>
NHS/CHI no		<i>CHI number not recorded in COSD</i>	<i>CR0010 - NHS Number</i>	<i>CR0010 - NHS Number</i>
Date of receipt			<i>pCR0770 - Sample Receipt Date</i>	<i>pCR0770 - Sample Receipt Date</i>
Date of reporting			<i>pCR0780 - Investigation Result Date</i>	<i>pCR0780 - Investigation Result Date</i>

Report no			pCR0950 - Service Report Identifier	pCR0950 - Service Report Identifier
Pathologist			pCR7100 - Professional Registration Issuer Code - Consultant (Pathology Test Requested By)	pCR7100 - Professional Registration Issuer Code - Consultant (Pathology Test Requested By)
			pCR7120 - Professional Registration Entry Identifier - Consultant (Pathology Test Requested By)	pCR7120 - Professional Registration Entry Identifier - Consultant (Pathology Test Requested By)
Surgeon			Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text	Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text
Specimen	Single selection value list:	<i>If 'other', please state, use pCR1020 - Pathology Repost Text</i>	pCR0760 – Pathology Investigation Type (All values)	pCR0760 – Pathology Investigation Type (All values)
	Total colectomy		EX - Excision; RE - Radical Excision	EX - Excision; RE - Radical Excision
	Subtotal colectomy		EX - Excision; RE - Radical Excision; PE - Partial Excision	EX - Excision; RE - Radical Excision; PE - Partial Excision
	Right hemicolectomy		EX - Excision; RE - Radical Excision	EX - Excision; RE - Radical Excision
	Transverse colectomy		EX - Excision; RE - Radical Excision	EX - Excision; RE - Radical Excision

	Left hemicolectomy		EX - Excision; RE - Radical Excision	EX - Excision; RE - Radical Excision
	Sigmoid colectomy		EX - Excision; RE - Radical Excision	EX - Excision; RE - Radical Excision
	Hartmann's procedure		EX - Excision; RE - Radical Excision; PE - Partial Excision	EX - Excision; RE - Radical Excision; PE - Partial Excision
	Anterior resection		EX - Excision; RE - Radical Excision; PE - Partial Excision	EX - Excision; RE - Radical Excision; PE - Partial Excision
	Abdominoperineal excision		EX - Excision; RE - Radical Excision	EX - Excision; RE - Radical Excision
	Other		99 - Uncertain/other	99 - Uncertain/other
				<i>pCR0970 – Specimen Nature (All values)</i>
			1 (Primary tumour)	1 (Primary tumour)
Specimen type, other, state	Free text	<i>Only applicable if 'Specimen, Other' is selected.</i>	<i>pCR1020 - Pathology Report Text</i>	<i>pCR1020 - Pathology Report Text</i>
Site of tumour	Single selection value list:	<i>Only applicable if 'Tumour identified, Tumour in specimen' is selected.</i>	Not in the COSD Pathology data set, although could be recorded within <i>pCR1020 - Pathology Report Text</i>	Not in the COSD Pathology data set, although could be recorded within <i>pCR1020 - Pathology Report Text</i>
	Caecum			
	Right (ascending) colon			
	Hepatic flexure			
	Transverse colon			

	Splenic flexure					
	Left (descending) colon					
	Sigmoid colon					
	Rectosigmoid					
	Rectum					
	Unknown					
Maximum tumour diameter	Size in mm		pCR0830 - Lesion Size (Pathology)	pCR0830 - Lesion Size (Pathology)		
Distance of tumour to nearer longitudinal end	Size in mm	<i>Only applicable if 'Tumour identified, Tumour in specimen' is selected.</i>	pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text		
Tumour perforation (pT4)	Single selection value list:	<i>Only applicable if 'Tumour identified, Tumour in specimen' is selected.</i>	Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text	Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text		
	Yes					
	No					
Relation of tumour to peritoneal reflection	Single selection value list:	<i>Only applicable if 'Site of tumour, Rectum' is selected.</i>	Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text	Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text		
	Above					
	Astride					
	Below					
Plane of mesorectal excision	Single selection value list:	<i>Only applicable if 'Specimen, Anterior resection' or 'Specimen, Abdominoperineal excision' is selected.</i>	pCO5260 - Plane of Surgical Excision	pCO5260 - Plane of Surgical Excision		
	Mesorectal fascia				1 - Mesorectal fascia	1 - Mesorectal fascia
	Intramesorectal				2 - Intramesorectal	2 - Intramesorectal

	Muscularis propria		3 - Muscularis propria	3 - Muscularis propria
Plane of resection of sphincters	Single selection value list:	<i>Only applicable if 'Specimen, Abdominoperineal excision' is selected.</i>	Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text	Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text
	Extralevator			
	Sphincteric			
	Intrasphincteric			
Distance of tumour from dentate line	Distance in mm	<i>Only applicable if 'Tumour identified, Tumour in specimen' and 'Specimen, Abdominoperineal excision' is selected.</i>	pCO5270 - Distance from Dentate Line	pCO5270 - Distance from Dentate Line
Tumour type, adenocarcinoma	Single selection value list:	<i>Only applicable if 'Tumour identified, Tumour in specimen' is selected.</i>	Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text	Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text
	Yes			
	No			
Tumour type, specify	Free text	<i>Only applicable if 'Tumour type, Adenocarcinoma, No' is selected.</i>	pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text
Differentiation by worst area	Single selection value list:		pCR0860 - Grade of Differentiation (Pathological)	pCR0860 - Grade of Differentiation (Pathological)
	Well/moderate		G1 - Well differentiated	G1 - Well differentiated
	Poor		G3 - Poorly differentiated	G3 - Poorly differentiated
	Not applicable		GX - Grade of differentiation is not	GX - Grade of differentiation is not

			appropriate or cannot be assessed	appropriate or cannot be assessed
Local invasion	Multiple selection value list:		Not in the COSD Pathology data set, although could be recorded within <i>pCR1020 - Pathology Report Text</i>	Not in the COSD Pathology data set, although could be recorded within <i>pCR1020 - Pathology Report Text</i>
	No carcinoma identified			
	Submucosa			
	Muscularis propria			
	Beyond muscularis propria			
	Tumour cells have breached the serosa			
	Tumour has perforated below peritoneal reflection			
	Tumour invades adjacent organs			
Maximum distance beyond muscularis propria	Distance in mm	<i>Only applicable if 'Local invasion, Beyond muscularis propria'; 'Local invasion, Tumour cells have breached the serosa'; or 'Local invasion, Tumour invades adjacent organs' is selected.</i>	<i>pCO5280 - Distance Beyond Muscularis Propria</i>	<i>pCO5280 - Distance Beyond Muscularis Propria</i>
Preoperative therapy response	Single selection value list:		<i>pCO5290 - Response to Preoperative Therapy</i>	<i>pCO5290 - Response to Preoperative Therapy</i>
	Not applicable		97 - Not Applicable	97 - Not Applicable

	No viable cancer cells (TRS 0)		08 - No viable cancer cells (TRS 0)	08 - No viable cancer cells (TRS 0)
	Single cells or rare small groups of cancer cells (TRS 1)		09 - Single cells or rare small groups of cancer cells (TRS 1)	09 - Single cells or rare small groups of cancer cells (TRS 1)
	Residual cancer with evident tumour regression (TRS 2)		10 - Residual cancer with evident tumour regression (TRS 2)	10 - Residual cancer with evident tumour regression (TRS 2)
	No evident tumour regression (TRS 3)		11 - No evident tumour regression (TRS 3)	11 - No evident tumour regression (TRS 3)
Tumour involvement of margins, doughnuts	Single selection value list:		Not in the COSD Pathology data set, although could be recorded within <i>pCR1020 - Pathology Report Text</i>	Not in the COSD Pathology data set, although could be recorded within <i>pCR1020 - Pathology Report Text</i>
	Not applicable			
	Not submitted by pathologist			
	Involved			
	Not involved			
Tumour involvement of margins, longitudinal margin	Single selection value list:		<i>pCO5190 - Positive Proximal or Distal Resection Margin</i>	<i>pCO5190 - Longitudinal Margin Involved</i>
	Not submitted by pathologist		8 - Not submitted by pathologist	8 - N/A - Not submitted by pathologist
	Involved		1 - Margin involved	1 - Margin involved
	Not involved		0 - Margin not involved	0 - Margin not involved
Tumour involvement of margins,	Single selection value list:		<i>pCO5300 - Status of Circumferential Excision Margin</i>	<i>pCR1150 - Excision Margin (Circumferential)</i>

circumferential margin	Involved		1 - Margin Involved	1 - Margin Involved
	Not involved		0 - Margin Not Involved	0 - Margin Not Involved
Measurement of tumour to circumferential resection margin	Distance in mm	<i>Only applicable if 'Tumour identified, Tumour in specimen' is selected.</i>	pCO5210 - Distance to Circumferential Margin	pCO5210 - Distance to Circumferential Margin
Number of lymph nodes	Integer		pCR0890 - Number of Nodes Examined	pCR0890 - Number of Nodes Examined
Number of involved lymph nodes	Integer		pCR0900 - Number of Nodes Positive	pCR0900 - Number of Nodes Positive
Highest node involved	Single selection value list:		Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text	Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text
	Yes			
	No			
Number of tumour deposits	Single selection value list:		Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text	Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text
	1			
	2			
	3			
	4			
	5			
	>5			
Deepest level of venous invasion	Single selection value list:		Not in the COSD Pathology data set, although could be	Not in the COSD Pathology data set, although could be
	None			

	Intramural		recorded within pCR1020 - Pathology Report Text	recorded within pCR1020 - Pathology Report Text
	Extramural			
Deepest level of lymphatic (small vessel) invasion	Single selection value list:		Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text	Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text
	None			
	Intramural			
	Extramural			
Deepest level of perineural invasion	Single selection value list:		Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text	Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text
	None			
	Intramural			
	Extramural			
Pathologically confirmed distant metastatic disease	Single selection value list:		Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text	Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text
	Yes			
	No			
Pathologically confirmed distant metastatic disease, sites	Free text	<i>Only applicable if 'Histologically confirmed distant metastatic disease, Yes' is selected.</i>	Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text	Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text
Separate abnormalities, polyps	Single selection value list:		Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text	Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text
	Yes			
	No			

Separate abnormalities, polyps, type and number	Free text	<i>Only applicable if 'Separate abnormalities, Polyps, Yes' is selected.</i>	Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text	Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text
Separate abnormalities, polyposis	Single selection value list:		Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text	Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text
	Yes			
	No			
Separate abnormalities, polyposis, type	Free text	<i>Only applicable if 'Separate abnormalities, Polyposis, Yes' is selected.</i>	Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text	Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text
Separate abnormalities, synchronous carcinoma	Single selection value list:		Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text	Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text
	Yes			
	No			
Separate abnormalities, other	Free text		Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text	Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text
Resection status	Single selection value list:		Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text	Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text
	Yes (R0)			
	No (R1)			
	No (R2)			

TNM edition number used	UICC8, UICC9	<i>Within COSD, version number and edition are separate but should be reported together</i>	pCR6820 - TNM Version Number (Pathological)	pCR6820 - TNM Version Number (Pathological)
			pCR6980 - TNM Coding Edition	pCR6980 - TNM Coding Edition
UICC TNM pT category	Single selection value list:		pCR0910 - T Category (Pathological) = pT	pCR0910 - T Category (Pathological) = pT
	pTX; pT0; pT1; pT2; pT3; pT4a; pT4b			
	ypTX; ypT0; ypT1; ypT2; ypT3; ypT4a; ypT4b			
UICC TNM pN category	Single selection value list:		pCR0920 - N Category (Pathological) = pN	pCR0920 - N Category (Pathological) = pN
	pNX; pN0; pN1a; pN1b; pN1c; pN2a; pN2b			
	ypNX; ypN0; ypN1a; ypN1b; ypN1c; ypN2a; ypN2b			
UICC TNM pM category	Single selection value list:	If it is essential to record 'Not applicable' use pCR1020 - Pathology Report Text	pCR0930 - N Category (Pathological) = pM	pCR0930 - N Category (Pathological) = pM
	Not applicable; pM1a; pM1b; pM1c			
Block index	Free text		pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text
Selected tumour block for additional testing	Free text		pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text
SNOMED topography code	T...	<i>May have multiple codes.</i>	pCR6410 - Topography (SNOMED) Pathology = T	pCR6410 - Topography (SNOMED) Pathology = T

		<i>Look up from SNOMED tables.</i>		
SNOMED morphology code	M...	<i>May have multiple codes. Look up from SNOMED tables.</i>	<i>pCR6420 - Morphology (SNOMED) Pathology = M</i>	<i>pCR6420 - Morphology (SNOMED) Pathology = M</i>
Further comments	Free text		<i>pCR1020 - Pathology Report Text</i>	<i>pCR1020 - Pathology Report Text</i>