

COSD mapping for Appendix D: Reporting proforma for appendiceal mucinous neoplasms and adenocarcinoma 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			CR0050 - Person Family Name	CR0050 - Person Family Name
Forenames			CR0060 - Person Given Name	CR0060 - Person Given Name
Date of birth			CR0100 - Person Birth Date	CR0100 - Person Birth Date
Sex			CR3170 - Person Stated Gender Code	CR3170 - Person Stated Gender Code
Hospital			pCR0800 - Organisation Identifier (of Reporting Pathologist)	pCR0800 - Organisation Identifier (of Reporting Pathologist)
Hospital no			CR0020 - Local Patient Identifier	CR0020 - Local Patient Identifier
NHS/CHI no		CHI number not recorded in COSD	CR0010 - NHS Number	CR0010 - NHS Number
Date of receipt			pCR0770 - Sample Receipt Date	pCR0770 - Sample Receipt Date
Date of reporting			pCR0780 - Investigation Result Date	pCR0780 - Investigation Result Date
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 type	Single selection value list:	If 'other', please state, use pCR1020 - Pathology Report Text	pCR0760 – Pathology Investigation Type (All values)	pCR0760 – Pathology Investigation Type (All values)
	Appendicectomy		EX- Excision; RE- Radical Excision	EX- Excision; RE- Radical Excision
	Right hemicolectomy		EX- Excision; RE- Radical Excision	EX- Excision; RE- Radical Excision
	Other		99 - Uncertain/other	99 - Uncertain/other
			pCR0970 – Specimen Nature (All values)	pCR0970 – Specimen Nature (All values)
			1 (Primary tumour)	1 (Primary tumour)
Other organs	Single selection value list:	If 'yes', please 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			
Length of appendix	Length in mm		pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text
Maximum external diameter of appendix	Diameter in mm		pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text
Appearance of appendix	Single selection value list:	If 'other', please state.	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
	Normal			
	Distended mucin-filled			
	Diffuse thickening of wall			

	Tumour nodule			
	Other			
Maximum diameter of tumour	Diameter in mm	Please state if cannot be accurately measured, use pCR1020 - Pathology Report Text	pCR0830 - Lesion Size (Pathology)	pCR0830 - Lesion Size (Pathology)
Perforation	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			
Perforation is through macroscopically visible tumour	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			
	Not applicable			
Mucin visible on serosa	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			
Any other pathological abnormalities	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
For appendicectomies: Caecal wall included	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			
For appendicectomies: Distance of tumour from proximal and mesoappendiceal margins	Single selection value list:	<p>If a margin is macroscopically ≥ 30 mm from tumour, it is sufficient simply to provide this measurement.</p> <p>If a margin is macroscopically < 30 mm from tumour, take block(s) to allow microscopic measurement of distance.</p>	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
	If ≥ 30 mm, specify which margin(s) and macroscopic clearance			
	If < 30 mm, specify which margin(s)			

For colectomies: Length of specimen	Length in mm		pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text
Distance of tumour from longitudinal ends and non-peritonealised circumferential margin(s)	<p>Single selection value list:</p> <p>If ≥ 30 mm, specify which margin(s) and macroscopic clearance</p> <p>If < 30 mm, specify which margin(s)</p>	<p>If a margin is macroscopically ≥ 30 mm from tumour, it is sufficient simply to provide this measurement.</p> <p>If a margin is macroscopically < 30 mm from tumour, take block(s) to allow microscopic measurement of distance.</p>	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
Type of tumour	<p>Single selection value list:</p> <p>Low-grade appendiceal mucinous neoplasm (LAMN)</p> <p>High-grade appendiceal mucinous neoplasm (HAMN)</p> <p>Mucinous adenocarcinoma</p> <p>Mucinous adenocarcinoma with signet ring cells</p> <p>Non-mucinous adenocarcinoma</p> <p>Goblet cell adenocarcinoma (GCA)</p> <p>Other</p>		<p>It may be possible to use pCR6420 - Morphology (SNOMED) Pathology to record the type of tumour, if not then record the information within pCR1020 - Pathology Report Text</p>	<p>It may be possible to use pCR6420 - Morphology (SNOMED) Pathology to record the type of tumour, if not then record the information within pCR1020 - Pathology Report Text</p>
Grade for mucinous tumours	<p>Single selection value list:</p> <p>G1: LAMN</p> <p>G2: HAMN and most mucinous adenocarcinomas without signet ring cells</p> <p>G3: mucinous adenocarcinomas with signet ring cells (or, rarely, sheets of poorly differentiated cells)</p>	<p>Use pCR1020 - Pathology Report Text if additional information required</p> <p>Signet ring cells should be reported if they comprise at least 10% of the neoplastic cells.</p>	<p>pCR0860 - Grade of Differentiation (Pathological)</p> <p>G1 - Well differentiated</p> <p>G2 - Moderately differentiated</p> <p>G3 - Poorly differentiated</p>	<p>pCR0860 - Grade of Differentiation (Pathological)</p> <p>G1 - Well differentiated</p> <p>G2 - Moderately differentiated</p> <p>G3 - Poorly differentiated</p>

Grade for non-mucinous adenocarcinomas	Single selection value list:		pCR0860 - Grade of Differentiation (Pathological)	pCR0860 - Grade of Differentiation (Pathological)
	Low grade (G1/2)		G1 - Well differentiated	G1 - Well differentiated
	High grade (G3)		G3 - Poorly differentiated	G3 - Poorly differentiated
Grade for goblet cell adenocarcinomas	Single selection value list:	Signet ring cells should be reported if they comprise at least 10% of the neoplastic cells.	pCR0860 - Grade of Differentiation (Pathological)	pCR0860 - Grade of Differentiation (Pathological)
	G1 (>75% low-grade pattern)		G1 - Well differentiated	G1 - Well differentiated
	G2 (50–75% low-grade pattern)		G2 - Moderately differentiated	G2 - Moderately differentiated
	G3 (<50% low grade pattern)		G3 - Poorly differentiated	G3 - Poorly differentiated
Perforation at the site of tumour	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			
Perforation away from tumour	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			
Any other findings	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
Local spread: furthest extent of tumour (either neoplastic cells or acellular mucin)	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
	Confined to mucosa (pTis)			
	Submucosa (pTis(LAMN) or pT1)			
	Muscularis propria (pTis(LAMN) or pT2)			
	Subserosal fat/mesoappendix (pT3)			
	Involves or beyond serosa (pT4a)			

	Directly invades adjacent structures (pT4b)			
	Not applicable/cannot be assessed			
Neoplastic epithelial cells involve or lie beyond serosa	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			
Angiolymphatic and perineural invasion: venous invasion	Single selection value list:	Only applicable for adenocarcinomas and GCAs. Select worst based on following priority	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			
Angiolymphatic and perineural invasion: Lymphatic invasion	Single selection value list:	Only applicable for adenocarcinomas and GCAs.	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			
Angiolymphatic and perineural invasion: Perineural invasion	Single selection value list:	Only applicable for adenocarcinomas and GCAs.	Not in the COSD Pathology v4.02 data set, although could be recorded within pCR1020 - Pathology Report Text	pCR100 - Perineural Invasion (all values)
	Yes			1 - Present
	No			2 - Not identified
Proximal appendiceal margin	Single selection value list:	Only applicable for appendicectomies. If 'clear', please state distance in mm if possible.	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
	Clear			
	Mucosal neoplasm present at margin			
	Mural/extra-appendiceal epithelium or mucin present at margin			
	Not assessable			
Mesoappendiceal margin	Single selection value list:	Only applicable for appendicectomies. If 'clear', please state distance in mm if possible.	pCO5300 - Status of Circumferential Excision Margin	pCR1150 - Excision Margin (Circumferential)
	Clear		0 - Margin not involved	0 - Margin not involved

	Neoplastic epithelium or mucin present at margin		1 - Margin involved	1 - Margin involved
	Not assessable		3 - Not known	9 - Not known
Appendicectomies other margin (describe)	Free text	Only applicable for other margin	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
Right hemicolectomies longitudinal margins	Single selection value list:	Only applicable for right hemicolectomies. If 'clear', please state distance in mm if possible.	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
	Not submitted by pathologist			
	Clear			
	Mucosal neoplasm present at margin			
	Mural/extra-appendiceal epithelium or mucin present at margin			
	Not assessable			
Right hemicolectomies nonperitonealised circumferential margin	Single selection value list:	Only applicable for right hemicolectomies. If 'clear', please state distance in mm if possible using pCR1020 - Pathology Report Text.	pCO5300 - Status of Circumferential Excision Margin	pCRI150 - Excision Margin (Circumferential)
	Not submitted by pathologist			8 - Not applicable
	Clear		0 - Margin not involved	0 - Margin not involved
	Neoplastic epithelium or mucin present at margin		1 - Margin involved	1 - Margin involved
	Not assessable		3 - Not known	9 - Not known
Right hemicolectomies other margin (describe)	Free text	Only applicable for other margin.	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
Number of regional lymph nodes (mesoappendiceal and ileocolic)	Integer		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

Number of non-regional nodes	Integer		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
Total number of nodes	Integer		pCR0890 - Number of Nodes Examined	pCR0890 - Number of Nodes Examined
Number of regional nodes containing tumour	Integer		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
Number of non-regional nodes containing tumour	Integer	Not applicable if no non-regional nodes.	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
Total number of nodes containing tumour	Integer	Not applicable if no nodes present.	pCR0900 - Number of Nodes Positive	pCR0900 - Number of Nodes Positive
Tumour deposits (satellites)	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			
	Not applicable			
Tumour deposits (satellites) number	Single selection value list:	Only applicable if 'Tumour deposits (satellites), yes' is selected.	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			
Peritoneal metastases	Single selection value list:	Includes involvement of ovaries. If 'yes', please state organs involved.	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			
	Single selection value list:			

Is peritoneal disease pseudomyxoma peritonei?	Yes		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
	No			
Classification of pseudomyxoma peritonei	Single selection value list:	Only applicable if 'Is peritoneal disease pseudomyxoma peritonei?', 'yes' is selected. Signet ring cells should be reported if they comprise at least 10% of the neoplastic cells.	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
	Acellular mucin			
	Low-grade mucinous carcinoma peritonei (G1)			
	High-grade mucinous carcinoma peritonei (usually G2; rarely, G3 if there are sheets of poorly differentiated cells)			
	High-grade mucinous carcinoma peritonei with signet ring cells (G3)			
Histologically confirmed distant metastases, i.e. metastases not derived from peritoneal spread	Single selection value list:	If 'yes', please state the site(s).	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			
Other abnormalities	Single selection value list:	If 'yes', please state.	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			
Additional tumours present	Single selection value list:	If 'yes', please specify and use separate proforma.	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			
Overall grade (higher of local and peritoneal	Single selection value list:		pCR0860 - Grade of Differentiation (Pathological)	pCR0860 - Grade of Differentiation (Pathological)
	G1		G1 - Well differentiated	G1 - Well differentiated

disease if discordant in pseudomyxoma peritonei)	G2		G2 - Moderately differentiated	G2 - Moderately differentiated
	G3		G3 - Poorly differentiated	G3 - Poorly differentiated
	Cannot be assessed or not applicable		GX- Grade of differentiation is not appropriate or cannot be assessed	GX- Grade of differentiation is not appropriate or cannot be assessed
Complete resection at all surgical margins (R0)	Single selection value list:		pCR0880 - Excision Margin	pCR0880 - Excision Margin
	Yes		01 - Excision margins are clear (distance from margin not stated)	01 - Excision margins are clear (distance from margin not stated)
	No		05 - Tumour reaches excision margin	05 - Tumour reaches excision margin
SNOMED topography code	T...	May have multiple codes. Look up from SNOMED tables.	pCR6410 - Topography (SNOMED) Pathology=T	pCR6410 - Topography (SNOMED) Pathology=T
SNOMED morphology code	M...	May have multiple codes. Look up from SNOMED tables.	pCR6420 - Morphology (SNOMED) Pathology=M	pCR6420 - Morphology (SNOMED) Pathology=M
UICC TNM pT category	Free text		pCR0910 - TCategory (Pathological)=pT	pCR0910 - TCategory (Pathological)=pT
UICC TNM pN category	Free text		pCR0920 - NCategory (Pathological)=pN	pCR0920 - NCategory (Pathological)=pN
UICC TNM pM category	Free text		pCR0930 - NCategory (Pathological)=pM	pCR0930 - NCategory (Pathological)=pM
TNM edition number used	UICC8, UICC9		pCR6820 - TNMVersion Number (Pathological)	pCR6820 - TNMVersion Number (Pathological)
			pCR6980 - TNMCoding Edition	pCR6980 - TNMCoding Edition
Further comments	Free text		pCRI020 - Pathology Report Text	pCRI020 - Pathology Report Text