

## COSD mapping for Appendix E Reporting proforma for anal cancer: excisional specimen biopsy 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			<i>pCR0950 - Service Report Identifier</i>	<i>pCR0950 - Service Report Identifier</i>
Pathologist			<i>pCR7100 - Professional Registration Issuer Code - Consultant (Pathology Test Requested By)</i>	<i>pCR7100 - Professional Registration Issuer Code - Consultant (Pathology Test Requested By)</i>
			<i>pCR7120 - Professional Registration Entry Identifier - Consultant (Pathology Test Requested By)</i>	<i>pCR7120 - Professional Registration Entry Identifier - Consultant (Pathology Test Requested By)</i>
Surgeon			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>
Specimen type	Single selection value list:		<i>pCR0760 – Pathology Investigation Type (All values)</i>	<i>pCR0760 – Pathology Investigation Type (All values)</i>
	Anal canal		EX - Excision	EX - Excision
	Perianal skin (within 5 mm of anal verge)		EX - Excision	EX - Excision
	Anal canal and perianal skin		EX - Excision	EX - Excision
	Anal canal and rectum		EX - Excision	EX - Excision
			<i>pCR0970 – Specimen Nature (All values)</i>	<i>pCR0970 – Specimen Nature (All values)</i>

			1 (Primary tumour)	1 (Primary tumour)
<b>Size of specimen</b>	Size in mm x mm x mm		<b><i>pCR1020 - Pathology Report Text</i></b>	<b><i>pCR1020 - Pathology Report Text</i></b>
<b>Maximum size of tumour</b>	Size in mm		<b><i>pCR0830 - Lesion Size (Pathological)</i></b>	<b><i>pCR0830 - Lesion Size (Pathological)</i></b>
<b>Tumour type</b>	<b>Single selection value list:</b>		It may be possible to use <b><i>pCR6420 - Morphology (SNOMED) Pathology</i></b> to record the Histological type, if not then record the information within <b><i>pCR1020 - Pathology Report Text</i></b>	It may be possible to use <b><i>pCR6420 - Morphology (SNOMED) Pathology</i></b> to record the Histological type, if not then record the information within <b><i>pCR1020 - Pathology Report Text</i></b>
	Squamous cell carcinoma			
	Adenocarcinoma (mucinous variant)			
	Adenocarcinoma (signet ring cell variant)			
	Undifferentiated carcinoma			
	Verrucous carcinoma			
<b>Differentiation</b>	<b>Single selection value list:</b>		<b><i>pCR0860 - Grade of Differentiation (Pathological)</i></b>	<b><i>pCR0860 - Grade of Differentiation (Pathological)</i></b>
	Well differentiated		G1 - Well differentiated	G1 - Well differentiated
	Moderately differentiated		G2 - Moderately differentiated	G2 - Moderately differentiated
	Poorly differentiated		G3 - Poorly differentiated	G3 - Poorly differentiated
	Undifferentiated		G4 - Undifferentiated / anaplastic	G4 - Undifferentiated / anaplastic
			GX - Grade of differentiation is not	GX - Grade of differentiation is not

			appropriate or cannot be assessed	appropriate or cannot be assessed
<b>Background epithelium</b>	<b>Multiple selection value list:</b>		Not in the COSD Pathology data set, although could be recorded within <b><i>pCR1020 - Pathology Report Text</i></b>	Not in the COSD Pathology data set, although could be recorded within <b><i>pCR1020 - Pathology Report Text</i></b>
	Non-keratinising squamous			
	Keratinising squamous			
	Columnar			
<b>Adjacent squamous dysplasia</b>	<b>Single selection value list:</b>		Not in the COSD Pathology data set, although could be recorded within <b><i>pCR1020 - Pathology Report Text</i></b>	Not in the COSD Pathology data set, although could be recorded within <b><i>pCR1020 - Pathology Report Text</i></b>
	Not identified			
	AIN1 (LSIL)			
	AIN2/3 (HSIL)			
<b>Margin/s involved by dysplasia</b>	<b>Single selection value list:</b>		Not in the COSD Pathology data set, although could be recorded within <b><i>pCR1020 - Pathology Report Text</i></b>	Not in the COSD Pathology data set, although could be recorded within <b><i>pCR1020 - Pathology Report Text</i></b>
	N/A			
	No			
	Yes			
<b>Maximum microscopic size of tumour</b>	Size in mm or N/A		Not in the COSD Pathology data set, although could be recorded within <b><i>pCR1020 - Pathology Report Text</i></b>	Not in the COSD Pathology data set, although could be recorded within <b><i>pCR1020 - Pathology Report Text</i></b>
<b>Depth of invasion</b>	<b>Single selection value list:</b>		Not in the COSD Pathology data set, although could be	Not in the COSD Pathology data set, although could be
	Lamina propria			

	Submucosa		recorded within <b><i>pCR1020 - Pathology Report Text</i></b>	recorded within <b><i>pCR1020 - Pathology Report Text</i></b>
	Muscularis propria			
	Smooth muscle			
	Striated muscle			
<b>Post-treatment tumour regression</b>	<b>Single selection value list:</b>		<b><i>pCO5290 - Response to Preoperative Therapy</i></b>	<b><i>pCO5290 - Response to Preoperative Therapy</i></b>
	N/A		97 - Not Applicable	97 - Not Applicable
	0		08 - No viable cancer cells (TRS 0)	08 - No viable cancer cells (TRS 0)
	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)
	2		10 - Residual cancer with evident tumour regression (TRS 2)	10 - Residual cancer with evident tumour regression (TRS 2)
	3		11 - No evident tumour regression (TRS 3)	11 - No evident tumour regression (TRS 3)
<b>Peripheral margins</b>	Single selection value list:		<b><i>pCO5190 - Positive Proximal or Distal Resection Margin</i></b>	<b><i>pCO5190 - Longitudinal Margin Involved</i></b>
	Involved		1 - Margin involved	1 - Margin involved
	Not involved		0 - Margin not involved	0 - Margin not involved
			8 - Not submitted by pathologist	8 - N/A - Not submitted by pathologist
			9 - Not known	9 - Not known

<b>Distance to nearest peripheral margin</b>	Distance in mm or N/A		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>
<b>Deep (CRM) margin</b>	Single selection value list:		<i>pCR5300 - Status of Circumferential Excision Margin</i>	<i>pCR1150 - Excision Margin (Circumferential)</i>
	Involved		1 - Margin involved	1 - Margin involved
	Not involved		0 - Margin not involved	0 - Margin not involved
			9 - Not known	8 - Not Applicable
				9 - Not known
<b>Distance to deep margin</b>	Distance in mm		<i>pCO5210 - Distance to Circumferential Margin</i>	<i>pCO5210 - Distance to Circumferential Margin</i>
<b>Lymph nodes submitted separately</b>	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>
	No			
	Yes			
<b>Total peri-rectal lymph nodes</b>	Integer		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>
<b>Positive peri-rectal lymph nodes</b>	Integer		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>

<b>Total internal iliac/inguinal lymph nodes</b>	Integer		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>
<b>Positive internal iliac/inguinal lymph nodes</b>	Integer		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>
<b>TNM edition number used</b>	UICC8, UICC9	<i>Within COSD, version number and edition are separate but should be reported together</i>	<i>pCR6820 - TNM Version Number (Pathological)</i>	<i>pCR6820 - TNM Version Number (Pathological)</i>
			<i>pCR6980 - TNM Coding Edition</i>	<i>pCR6980 - TNM Coding Edition</i>
<b>UICC TNM pT category</b>	Single selection value list:		<i>pCR0910 - T Category (Pathological) = pT</i>	<i>pCR0910 - T Category (Pathological) = pT</i>
	pTX; pT0; pTis; pT1; pT2; pT3; pT4			
<b>UICC TNM pN category</b>	Single selection value list:		<i>pCR0920 - N Category (Pathological) = pN</i>	<i>pCR0920 - N Category (Pathological) = pN</i>
	pNX; pN0; pN1a; pN1b; pN1c			
<b>Excision</b>	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>
	N/A pT0			
	R0			
	R1			
	R2			
<b>Post-neoadjuvant therapy (y)</b>	Single selection value list:		<i>pCR1000 - Neoadjuvant Therapy Indicator</i>	<i>pCR1000 - Neoadjuvant Therapy Indicator</i>

	Yes		Y - Yes	Y - Yes
	No		N - No	N - No
			9 - Not known	9 - Not known
<b>Distant metastasis/es</b>	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>
	N/A			
	Yes (M1)			
	No			
<b>Representative molecular block(s)</b>	Free text		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>
<b>Tumour percentage assessment (number of tumour cells/total number of nucleated cells)</b>	0-100%		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>
<b>SNOMED topography code</b>	T...	<i>May have multiple codes. Look up from SNOMED tables.</i>	<i>pCR6410 - Topography (SNOMED) Pathology = T</i>	<i>pCR6410 - Topography (SNOMED) Pathology = T</i>
<b>SNOMED morphology code</b>	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>
<b>Further comments</b>	Free text		<i>pCR1020 - Pathology Report Text</i>	<i>pCR1020 - Pathology Report Text</i>