

## COSD mapping for Appendix F: Histopathology reporting proforma for adrenal cortical carcinoma in list format

RCPath Data set item element name	Values	Implementation comments	COSD Pathology v4.0.2 (2020)	COSD Pathology v5.1.1 (2024)
<b>Surname</b>			CR0050 - Person Family Name	CR0050 - Person Family Name
<b>Forenames</b>			CR0060 - Person Given Name	CR0060 - Person Given Name
<b>Date of birth</b>			CR0100 - Person Birth Date	CR0100 - Person Birth Date
<b>Sex</b>			CR3170 - Person Stated Gender Code	CR3170 - Person Stated Gender Code
<b>Hospital</b>			pCR0800 - Organisation Identifier (of Reporting Pathologist)	pCR0800 - Organisation Identifier (of Reporting Pathologist)
<b>Hospital no</b>			CR0020 - Local Patient Identifier	CR0020 - Local Patient Identifier
<b>NHS/CHI no</b>		CHI number not recorded in COSD	CR0010 - NHS Number	CR0010 - NHS Number
<b>Date of receipt</b>			pCR0770 - Sample Receipt Date	pCR0770 - Sample Receipt Date
<b>Date of reporting</b>			pCR0780 - Investigation Result Date	pCR0780 - Investigation Result Date
<b>Report no</b>			pCR0950 - Service Report Identifier	pCR0950 - Service Report Identifier
<b>Pathologist</b>			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)
<b>Surgeon</b>			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
<b>Operative procedure</b>	Single selection value list:		pCR0760 – Pathology Investigation Type (All values)	pCR0760 – Pathology Investigation Type (All values)
	Not specified		99 (Uncertain/other)	99 (Uncertain/other)
	Adrenalectomy, total/partial		EX(Excision)	EX(Excision)
	Open/laparoscopic		99 (Uncertain/other)	99 (Uncertain/other)
	Biopsy (incisional)		IB (Incisional Biopsy)	IB (Incisional Biopsy)
	Biopsy (excisional)		BU (Biopsy NOS)	BU (Biopsy NOS)
	Other, specify		99 (Uncertain/other)	99 (Uncertain/other)
			pCR0970 – Specimen Nature (All values)	pCR0970 – Specimen Nature (All values)
			1 (Primary tumour)	1 (Primary tumour)
			4 (Regional Lymph Nodes)	4 (Regional Lymph Nodes)
<b>Operative procedure, other (specify)</b>	Free text	Only applicable if Operative procedure, 'Other, specify' 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
<b>Specimens submitted</b>	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
	Not specified			
	Adrenal tumour			
	- Left			
	- Right			
	Lymph nodes, specify site(s) and laterality			

	Other (e.g. metastatic site), specify site(s) and laterality			
<b>Specimen integrity</b>	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
	Specimen intact			
	Capsule disrupted			
	Fragmented specimen			
	Cannot be assessed, specify			
<b>Maximum tumour dimension (largest tumour)</b>	Size in mm	If it is important to record 'Dimension cannot be assessed', use pCR1020 - Pathology Report Text	pCR0830 - Lesion Size (Pathological)	pCR0830 - Lesion Size (Pathological)
<b>Tumour weight</b>	weight in g	If it is important to record 'Weight cannot be assessed', use pCR1020 - Pathology Report 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
<b>Histological tumour type</b>	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
	Adrenal cortical carcinoma (select from options below)			
	- Not otherwise specified (NOS)			
	- Oncocytic type			
	- Myxoid type			
	- Sarcomatoid type			
	Adrenal cortical neoplasm of uncertain malignant potential			
	Other, specify			
<b>Lipid rich cells</b>	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
	≤25%			
	>25%			
<b>Necrosis</b>	Single selection value list:		Not in the COSD Pathology data set, although could be	Not in the COSD Pathology data set, although could be
	Not identified			
	Present			

			recorded within pCR1020 - Pathology Report Text	recorded within pCR1020 - Pathology Report Text
<b>Nuclear grade</b>	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
	Low (Grade 1 or 2)			
	High (Grade 3 or 4)			
<b>Mitotic figures/10 mm<sup>2</sup></b>	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
<b>Histological grade</b>	Single selection value list:		pCR0860 - Grade of Differentiation (Pathological)	pCR0860 - Grade of Differentiation (Pathological)
	Low grade ( $\leq 20$ mitoses)		G1 - Well differentiated	G1 - Well differentiated
	High grade ( $> 20$ mitoses)		G4 - Undifferentiated / anaplastic	G4 - Undifferentiated / anaplastic
<b>Atypical mitotic figures</b>	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
	Not identified			
	Present			
<b>Ki-67 proliferation index %</b>	Range 0-100	If it is important to record 'Cannot be assessed, specify', use pCR1020 - Pathology Report Text	pCR7010 - Ki-67 RESULT	pCR7010 - Ki-67 RESULT
<b>Capsular invasion</b>	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
	Not identified			
	Present			
	Cannot be assessed, specify			
<b>Lymphatic invasion</b>	Single selection value list:	Note: If lymphatic and vascular Invasion are present, use value 'YB - Both lymphatic and vascular invasion present'	pCR0870 - Cancer Vascular or Lymphatic Invasion	pCR0870 - Cancer Vascular or Lymphatic Invasion
	Not identified		NU - No - vascular/lymphatic invasion not present	NU - No - vascular/lymphatic invasion not present
	Present		YL - Yes - Lymphatic invasion only present	YL - Lymphatic invasion only present

<b>Vascular invasion</b>	Single selection value list:	<p>Note: If lymphatic and vascular Invasion are present, use value 'YB - Both lymphatic and vascular invasion present'</p> <p>To record 'Other, specify', use pCR1020 - Pathology Report Text</p>	pCR0870 - Cancer Vascular or Lymphatic Invasion	pCR0870 - Cancer Vascular or Lymphatic Invasion
	Not identified		NU - No - vascular/lymphatic invasion not present	NU - No - vascular/lymphatic invasion not present
	Present (select all that apply below)		YV - Yes - Vascular invasion only present	YV - Yes - Vascular invasion only present
	- Capillary		YV - Yes - Vascular invasion only present	YV - Yes - Vascular invasion only present
	- lymphatics		YV - Yes - Vascular invasion only present	YV - Yes - Vascular invasion only present
	- Veins		YV - Yes - Vascular invasion only present	YV - Yes - Vascular invasion only present
	- Adrenal vein		YV - Yes - Vascular invasion only present	YV - Yes - Vascular invasion only present
	- Vena cava		YV - Yes - Vascular invasion only present	YV - Yes - Vascular invasion only present
	- Other, specify			
<b>Extent of invasion</b>	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
	Cannot be assessed			
	Confined to adrenal gland			
	Invasion into/through adrenal capsule			
	Invasion into extra-adrenal structures, specify			
	Invasion into adjacent organs, specify			
<b>Margin status</b>	Single selection value list:	<p>To record 'Location of involved margin(s)', use pCR1020 - Pathology Report Text</p>	pCR0880 - Excision Margin	pCR0880 - Excision Margin
	Not involved (R0)		01 - Excision margins are clear (distance from margin not stated)	01 - Excision margins are clear (distance from margin not stated)
	Involved (R1, microscopic)		05 - Tumour reaches excision margin	05 - Tumour reaches excision margin
	Involved (R2, macroscopic)		05 - Tumour reaches excision margin	05 - Tumour reaches excision margin

	Location of involved margin(s), specify if possible			
	Cannot be assessed, specify		06 - Uncertain	06 - Uncertain
<b>Number of lymph nodes examined</b>	Integer		pCR0890 - Number of Nodes Examined	pCR0890 - Number of Nodes Examined
<b>Number of involved lymph nodes</b>	Integer		pCR0900 - Number of Nodes Positive	pCR0900 - Number of Nodes Positive
<b>Histologically confirmed distant metastasis (specify site)</b>	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
<b>Pathological Staging</b>	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
	m – multiple primary tumours			
	r – recurrent			
	y – post-therapy			
<b>TNM edition number used</b>	UICC8, UICC9	Within COSD, version number and edition are separate but should be reported together	pCR6820 - TNMVersion Number (Pathological)	pCR6820 - TNMVersion Number (Pathological)
			pCR6980 - TNMCoding Edition	pCR6980 - TNMCoding Edition
<b>Primary tumour (pT)*</b>	Single selection value list:	*Adjacent organs include kidney, diaphragm, great vessels (renal vein or vena cava) pancreas and liver	pCR0910 - TCategory (Pathological)	pCR0910 - TCategory (Pathological)
	TX Primary tumour cannot be assessed			
	T1 Tumour 5 cm or less in greatest dimension, no extra-adrenal invasion			
	T2 Tumour greater than 5 cm, no extra-adrenal invasion			
	T3 Tumour of any size with local invasion, but not invading adjacent organs*			

	T4 Tumour of any size with invasion of adjacent organs			
<b>Regional lymph nodes (pN)</b>	Single selection value list:		pCR0920 - N Category (Pathological)	pCR0920 - N Category (Pathological)
	NX Regional lymph nodes cannot be assessed			
	N0 No regional lymph node metastasis			
	NI metastasis in regional lymph node(s)			
<b>SNOMED topography code</b>	Free text	May have multiple codes. Look up from SNOMED tables.	pCR6410 - Topography (SNOMED) Pathology	pCR6410 - Topography (SNOMED) Pathology
<b>SNOMED morphology code</b>	Free text	May have multiple codes. Look up from SNOMED tables.	pCR6420 - Morphology (SNOMED) Pathology	pCR6420 - Morphology (SNOMED) Pathology
<b>Further comments</b>	Free text		pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text