

## COSD mapping for Appendix J: Reporting proforma for liver resection: intrahepatic cholangiocarcinoma 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>Gross description</b>				
<b>Type of specimen</b>	Single selection value list:	<p>Use pCR1020 - Pathology Report Text to specify 'List segments (ifknown) if segmental resection is selected,</p> <p>To specify 'Site/segment of origin' if non-anatomic (wedge resection is selected), use pCR1020 - Pathology Report Text</p>	pCR0760 – Pathology Investigation Type (All values)	pCR0760 – Pathology Investigation Type (All values)
	Segmental resection		EX- Excision; PE- Partial Excision	EX- Excision; PE- Partial Excision
	- List segments (ifknown)			
	Non-anatomic (wedge) resection		EX- Excision; PE- Partial Excision	EX- Excision; PE- Partial Excision
	- Site/segment of origin			
	Hepatectomy (at transplant)		RE - Radical Excision; PE - Partial Excision	RE - Radical Excision; PE - Partial Excision
<b>Specimen weight</b>	Integer	State specimen weight in grams (g)	pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text
<b>For segmental resections, specimen dimensions:</b>	Integer (antero-posterior (mm))		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
	Integer (medio-lateral (mm))			
	Integer (supero-inferior (mm))			
<b>Number of tumours present</b>	Integer		Not in the COSD Pathology v4.0.2 data set, although	pLV10010 - Number of Tumours

			could be recorded within pCR1020 - Pathology Report Text	
<b>List maximum tumour diameters</b>	Integer (mm)	Up to four separate values	pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text
<b>Satellite tumour(s) present:</b>	Single selection value list:		Not in the COSD Pathology v4.0.2 data set, although could be recorded within pCR1020 - Pathology Report Text	pLV10020 - Satellite Tumour Indicator
	Yes			Y- Yes
	No			N - No
<b>Distance from nearest hepatic resection margin: (mm)</b>	Integer (mm)		pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text
<b>Macroscopic involvement of vessels</b>	Multiple 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
	Main left portal vein			
	Main right portal vein			
	Hepatic vein			
	Vessel not specified			
	No macroscopic involvement			
<b>Diameter of vessel involved (mm)</b>	Integer (mm)	Leave blank if 'Macroscopic involvement of vessels = No macroscopic involvement'	pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text
<b>Liver capsule intact and smooth</b>	Single selection value list:		Not in the COSD Pathology v4.0.2 data set, although could be recorded within pCR1020 - Pathology Report Text	pLV10030 - Liver Capsule Intact and Smooth
	Yes			Y- Yes
	No			N - No
<b>Invasion of adherent organ or adjacent organ</b>	Single selection value list:		Not in the COSD Pathology v4.0.2 data set, although could be recorded within pCR1020 - Pathology Report Text	pLV10040 - Invasion of Adjacent Organ
	Yes			Y- Yes
	No			N - No

<b>If yes, which organ</b>	Free text	Leave blank if 'Invasion of adherent organ or adjacent organ = No'	Not in the COSD Pathology v4.0.2 data set, although could be recorded within pCR1020 - Pathology Report Text	pLV10050 - Organ Invaded
<b>Lymph node(s) received</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
	Yes			
	No			
<b>Histology</b>				
<b>Tumour type</b>	Single selection value list:	If 'other' selected, specify	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
	Cholangiocarcinoma NOS			
	Subtype large duct			
	Small duct			
	Combined HCC/CC			
	Cholangiolocellular			
	Other histological subtype (specify)			
<b>If other specify</b>	Free text	Enter value if 'Tumour type = Other histological subtype'	pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text
<b>Tumour grade/differentiation</b>	Single selection value list:		pCR0860 - Grade of Differentiation (Pathological)	pCR0860 - Grade of Differentiation (Pathological)
	Well		G1 - Well differentiated	G1 - Well differentiated
	Moderate		G2 - Moderately differentiated	G2 - Moderately differentiated
	Poor		G3 - Poorly differentiated	G3 - Poorly differentiated
<b>Tumour cells present at resection margin</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
	Yes			
	No			
<b>If no, distance to resection margin</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
	<1 mm			
	1–10 mm			

	>10 mm		recorded within pCR1020 - Pathology Report Text	recorded within pCR1020 - Pathology Report Text
<b>State distance</b>	Number (mm)	If 'Distance to resection margin = 1–10 mm, state distance in mm'	pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text
<b>Macroscopic vascular invasion confirmed</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
	Yes			
	No			
<b>Microscopic vascular invasion identified</b>	Single selection value list:		pCR0870 - Cancer Vascular or Lymphatic Invasion	pCR0870 - Cancer Vascular or Lymphatic Invasion
	Present		YU - Yes - vascular/lymphatic invasion present	YU - Yes - vascular/lymphatic invasion present
	Not identified		NU - No - vascular/lymphatic invasion not present	NU - No - vascular/lymphatic invasion not present
<b>Perineural invasion identified</b>	Single selection value list:		Not in the COSD Pathology v4.0.2 data set, although could be recorded within pCR1020 - Pathology Report Text	pCRI100 - Perineural Invasion
	Present			1 - Present
	Not identified			2 - Not identified
<b>Best block of tumour for molecular testing</b>	Free text		pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text
<b>Background liver</b>	Single selection value list:		pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text
	Insufficient for assessment			
<b>Fibrosis</b>	Single selection value list:		Not in the COSD Pathology v4.0.2 data set, although could be recorded within pCR1020 - Pathology Report Text	pLV10060 - Fibrosis in Background Liver
	None present			1 - None present
	If present:			
	- Portal/periportal			2 - Portal/periportal
	- Sinusoidal/pericellular			3 - Sinusoidal/pericellular
	- Both portal & sinusoidal			4 - Both portal and sinusoidal
	- Bridging			5 - Bridging

	<ul style="list-style-type: none"> <li>- Bridging with nodules</li> <li>- Complete cirrhosis</li> </ul>			<ul style="list-style-type: none"> <li>6 - Bridging with nodules</li> <li>7 - Complete cirrhosis</li> </ul>
<b>Aetiology</b>	Multiple selection value list:		Not in the COSD Pathology v4.0.2 data set, although could be recorded within pCR1020 - Pathology Report Text	pLV10070 - Aetiology of Background Liver Disease
	Hepatitis B			1 - Hepatitis B
	Hepatitis C			2 - Hepatitis C
	Autoimmune hepatitis			3 - Autoimmune hepatitis
	Haemochromatosis			4 - Haemochromatosis
	Alcohol			5 - Alcohol
	NAFLD			6 - Non-Alcoholic Fatty Liver Disease (NAFLD)
	Not known			9 - Not known
	Other			8 - Other
<b>Other</b>	Free text	Please specify if 'Aetiology= Other'	pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text
<b>Number of lymph nodes examined</b>	Integer		pCR0890 - Number of Nodes Examined	pCR0890 - Number of Nodes Examined
<b>Number of lymph nodes with metastases</b>	Integer		pCR0900 - Number of Nodes Positive	pCR0900 - Number of Nodes Positive
<b>Pathological staging pT</b>	Single selection value list:	Enter values for pT and pN (e.g. pT1a)	pCR0910 - TCategory (Pathological)=pT	pCR0910 - TCategory (Pathological)=pT
	pTis Carcinoma in situ			
	pT1a Solitary tumour <50 mm without vascular invasion			
	pT1b Solitary tumour >50 mm without vascular invasion			
	pT2 Solitary with intrahepatic vascular invasion or multiple tumours, with or without vascular invasion			

	<p>T3 Tumour perforating the visceral peritoneum.</p> <p>T4 Tumour involves local extra hepatic structures by direct invasion</p>			
<b>Pathological staging pN</b>	Single selection value list:		pCR0920 - N Category (Pathological) = pN	pCR0920 - N Category (Pathological) = pN
	pN0 No lymph node metastases			
	pN1 Lymph node metastases			
<b>Pathological staging pM</b>	Free text		pCR0930 - N Category (Pathological) = pM	pCR0930 - N Category (Pathological) = pM
<b>TNM edition number used</b>	UICC8, UICC9	Within COSD, version number and edition are separate but should be reported together	pCR6820 - TNM Version Number (Pathological)	pCR6820 - TNM Version Number (Pathological)
			pCR6980 - TNM Coding Edition	pCR6980 - TNM Coding Edition
<b>SNOMED-CT codes</b>		May have multiple codes. Look up from SNOMED tables.	pCR6410 - Topography (SNOMED) Pathology	pCR6410 - Topography (SNOMED) Pathology
<b>SNOMED-CT codes</b>		May have multiple codes. Look up from SNOMED tables.	pCR6420 - Morphology (SNOMED) Pathology	pCR6420 - Morphology (SNOMED) Pathology
<b>ICD 11 code:</b>	Intrahepatic cholangiocarcinoma: 2C12.10		pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text
<b>Comments/additional information</b>	Free text		pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text