

## COSD mapping for Appendix L: Reporting proforma for liver resection: gallbladder cancer 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:	Use pCR1020 - Pathology Report Text to Specify if 'List liver segments resected', and/or 'pTstage' is selected.	pCR0760 – Pathology Investigation Type (All values)	pCR0760 – Pathology Investigation Type (All values)
	Cholecystectomy (cancer not previously suspected)		EX- Excision	EX- Excision
	En bloc gall bladder and liver	All other reports reviewed or additional information needed should be recorded in pCR1020 - Pathology Report Text	EX- Excision; RE - Radical Excision	EX- Excision; RE - Radical Excision
	- List liver segments resected			
	Staged liver resection		EX- Excision	EX- Excision
	- List liver segments resected			
	- Previous gall bladder report reviewed			
	- Slides reviewed			
	- pTstage			
	- Previous report not available			
		pCR0970 – Specimen Nature (All values)	pCR0970 – Specimen Nature (All values)	
		1 (Primary tumour)	1 (Primary tumour)	
<b>Gall bladder</b>				
<b>Dimensions:</b>	Integer (length (mm))		Not in the COSD Pathology data set, although could be	Not in the COSD Pathology data set, although could be
	Integer (width (mm))			

	Integer (maximum wall thickness (mm))		recorded within pCR1020 - Pathology Report Text	recorded within pCR1020 - Pathology Report Text
<b>Mucosal aspect of tumour:</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
	Papillary/exophytic			
	Plaques/infiltrative			
<b>Location of tumour:</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
	Peritoneal side			
	Hepatic side			
	Both or not assessable			
<b>Maximum dimension of tumour</b>	Size in mm		pCR08630 - Lesion Size (Pathological)	pCR08630 - Lesion Size (Pathological)
<b>Gall stones present?</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>Length of cystic duct</b>	Integer (mm)		pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text
<b>Other bile ducts resected?</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>Liver resections</b>				
<b>Specimen weight</b>	Integer (g)		pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text
<b>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>Direct invasion of liver</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
	Yes			

	No		recorded within pCR1020 - Pathology Report Text	recorded within pCR1020 - Pathology Report Text
<b>If yes: depth of liver invasion</b>	Integer (mm)	Only applicable if 'Direct invasion of liver = yes'	pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text
<b>Distance from nearest hepatic resection margin</b>	Integer (mm)		pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text
<b>Hepatic metastases present</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>Invasion of adherent 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	Specify if 'Invasion of adherent or adjacent organ = Yes'	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>Includes non-regional lymph nodes?</b>	Single selection value list:	Leave blank if 'Lymph node(s) received = No'	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>				
	Single selection value list:		pCR0860 - Grade of Differentiation (Pathological)	pCR0860 - Grade of Differentiation (Pathological)
	Well		G1 - Well differentiated	G1 - Well differentiated

<b>Tumour grade/differentiation (adenocarcinoma):</b>	Moderate		G2 - Moderately differentiated	G2 - Moderately differentiated
	Poor		G3 - Poorly differentiated	G3 - Poorly differentiated
	Other histological type (specify)			
<b>Other histological type (specify)</b>	Free text	If 'Other histological type' selected, specify	pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text
<b>Depth of invasion</b>				
<b>Depth of invasion</b>	Single selection value list:	If 'Invades other organs' 'Yes' is 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
	Lamina propria			
	Muscular layer			
	Beyond muscle			
	Perforates serosa			
Invades liver				
<b>Invades other organs</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 yes, which</b>	Free text	Specify if 'Invades other organs = Yes'	pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text
<b>Cystic duct</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
	Involved			
	No BillN			
<b>Other ducts resected</b>	Single selection value list:	If 'Yes' applicable, select additional value	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>Involved by dysplasia/BillN</b>	Single selection value list:	Leave blank if 'Other ducts resected = No'	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>Tumour cells present at any resection margin:</b>	Single selection value list:		pCR0880 - Excision Margin	pCR0880 - Excision Margin
	Yes		05 - Tumour reaches excision margin	05 - Tumour reaches excision margin
	No		01 - Excision margins are clear (distance from margin not stated)	01 - Excision margins are clear (distance from margin not stated)
<b>Indicate which margin:</b>	Single selection value list:	Leave blank if 'Tumour cells present at any resection margin = No'	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
	Hepatic			
	Bile duct			
	Other			
<b>If other, please state which</b>	Free text	Specify if 'Indicate which margin = Other'	pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text
<b>If margins are clear: distance to 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
	<1 mm			
	1-10 mm (state distance in (mm))			
	>10 mm			
<b>State distance</b>	Number (mm)	If '1-10 mm' is selected, specify in millimetres (mm)	pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text
<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	pCR1100 - 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>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, high grade BiliN			
	pT1a Tumour invades lamina propria			
	pT1b Tumour invades muscular layer			
	pT2a Tumour invades perimuscular connective tissue on the peritoneal side with no extension to the serosa			
	pT2b Tumour invades perimuscular connective tissue on the hepatic side with no extension into the liver			
	pT3 Tumour perforates the serosa (visceral peritoneum) and/or directly invades the liver and/or one other adjacent organ or structure, such as the stomach, duodenum, colon, pancreas, omentum or extra-hepatic bile ducts.			

	pT4 Tumour invades the main portal vein or hepatic artery or invades 2 or more extrahepatic organs or structures			
<b>Pathological staging pN</b>	Single selection value list:	Record non-regional lymph node metastases as pM1	pCR0920 - N Category (Pathological) = pN	pCR0920 - N Category (Pathological) = pN
	pN0 No regional lymph node metastases			
	pN1 Metastasis to 1–3 regional lymph node pN2 metastasis to 4 or more regional nodes.			
<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 - TNMVersion Number (Pathological)	pCR6820 - TNMVersion Number (Pathological)
			pCR6980 - TNMCoding Edition	pCR6980 - TNMCoding 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>Comments/additional information</b>	Free text		pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text