

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

	Integer (maximum wall thickness (mm))		recorded within pCR1020 - Pathology Report Text	recorded within pCR1020 - Pathology Report Text
Mucosal aspect 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
	Papillary/exophytic			
	Plaque/infiltrative			
Location 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
	Peritoneal side			
	Hepatic side			
	Both or not assessable			
Maximum dimension of tumour	Size in mm		pCR08630 - Lesion Size (Pathological)	pCR08630 - Lesion Size (Pathological)
Gall stones present?	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			
Length of cystic duct	Integer (mm)		pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text
Other bile ducts resected?	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			
Liver resections				
Specimen weight	Integer (g)		pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text
Specimen dimensions:	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))			
Direct invasion of liver	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
If yes: depth of liver invasion	Integer (mm)	Only applicable if 'Direct invasion of liver = yes'	pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text
Distance from nearest hepatic resection margin	Integer (mm)		pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text
Hepatic metastases present	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			
Invasion of adherent or adjacent organ	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
If yes, which organ	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
Lymph node(s) received	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			
Includes non-regional lymph nodes?	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			
Histology				
	Single selection value list:		pCR0860 - Grade of Differentiation (Pathological)	pCR0860 - Grade of Differentiation (Pathological)
	Well		G1 - Well differentiated	G1 - Well differentiated

Tumour grade/differentiation (adenocarcinoma):	Moderate		G2 - Moderately differentiated	G2 - Moderately differentiated
	Poor		G3 - Poorly differentiated	G3 - Poorly differentiated
	Other histological type (specify)			
Other histological type (specify)	Free text	If 'Other histological type' selected, specify	pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text
Depth of invasion				
Depth of invasion	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			
Invades other organs	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			
If yes, which	Free text	Specify if 'Invades other organs = Yes'	pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text
Cystic duct	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			
	BillN			
	No BillN			
Other ducts resected	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			
Involved by dysplasia/BillN	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			

Tumour cells present at any resection margin:	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)
Indicate which margin:	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			
If other, please state which	Free text	Specify if 'Indicate which margin = Other'	pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text
If margins are clear: distance to resection margin	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			
State distance	Number (mm)	If '1–10 mm' is selected, specify in millimetres (mm)	pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text
Microscopic vascular invasion identified	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
Perineural invasion identified	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
Best block of tumour for molecular testing	Free text		pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text

Number of lymph nodes examined	Integer		pCR0890 - Number of Nodes Examined	pCR0890 - Number of Nodes Examined
Number of lymph nodes with metastases	Integer		pCR0900 - Number of Nodes Positive	pCR0900 - Number of Nodes Positive
Pathological staging pT	<p>Single selection value list:</p> <p>pTis Carcinoma in situ, high grade BiliN</p> <p>pT1a Tumour invades lamina propria</p> <p>pT1b Tumour invades muscular layer</p> <p>pT2a Tumour invades perimuscular connective tissue on the peritoneal side with no extension to the serosa</p> <p>pT2b Tumour invades perimuscular connective tissue on the hepatic side with no extension into the liver</p> <p>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.</p>	Enter values for pT and pN (e.g. pT1a)	pCR0910 - TCategory (Pathological)=pT	pCR0910 - TCategory (Pathological)=pT

	pT4 Tumour invades the main portal vein or hepatic artery or invades 2 or more extrahepatic organs or structures			
Pathological staging pN	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.			
Pathological staging pM	Free text		pCR0930 - N Category (Pathological)=pM	pCR0930 - N Category (Pathological)=pM
TNM edition number used	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
SNOMED-CT codes		May have multiple codes. Look up from SNOMED tables.	pCR6410 - Topography (SNOMED) Pathology	pCR6410 - Topography (SNOMED) Pathology
SNOMED-CT codes		May have multiple codes. Look up from SNOMED tables.	pCR6420 - Morphology (SNOMED) Pathology	pCR6420 - Morphology (SNOMED) Pathology
Comments/additional information	Free text		pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text