

COSD mapping for Appendix F: Reporting proforma for mesothelioma resection specimens 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
Previous treatment (neoadjuvant chemotherapy / radiotherapy)	Single selection value list:		pCR1000 - Neoadjuvant Therapy Indicator	pCR1000 - Neoadjuvant Therapy Indicator
	Yes		Y- Yes	Y- Yes
	No		N- No	N- No
Laterality	Single selection value list:		pCR0820 - Tumour Laterality (Pathological)	pCR0820 - Tumour Laterality (Pathological)
	Right		R- Right	R- Right
	Left		L- Left	L- Left
	Not stated		9 - Not known	9 - Not known
Specimen type	Single selection value list:		pCR0760 – Pathology Investigation Type (All values)	pCR0760 – Pathology Investigation Type (All values)
	Decortication		EX- Excision	EX- Excision
	Radical pleurectomy		RE- Radical Excision	RE- Radical Excision
	Local chest wall/pleural resection		EX- Excision	EX- Excision
	Extrapleuropneumo-nectomy		RE- Radical Excision	RE- Radical Excision
	Debulking		99 - Uncertain/other	99 - Uncertain/other
			pCR0970 – Specimen Nature (All values)	pCR0970 – Specimen Nature (All values)
			1 (Primary tumour)	1 (Primary tumour)
Submitted material, parietal pleura	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
Submitted material, diaphragm	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			
Submitted material, lung	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			
Submitted material, mediastinal fat	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			
Submitted material, pericardium	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			
Submitted material, peritoneum	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			
Submitted material, contralateral pleura	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			
Submitted material, visceral pleura	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			
Submitted material, endothoracic fascia	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			

Submitted material, endothoracic fascia, details	Free text	Only applicable if 'Submitted material, endothoracic fascia' is Yes	pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text
Submitted material, chest wall	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			
Submitted material, rib	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			
Submitted material, rib, details	Free text	Only applicable if 'Submitted material, rib' is Yes	pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text
Submitted material, spine	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			
Histologic type of mesothelioma	Single selection value list:		It may be possible to map to pCR6420 - Morphology (SNOMED) Pathology, if not then these can be recorded within pCR1020 - Pathology Report Text	It may be possible to map to pCR6420 - Morphology (SNOMED) Pathology, if not then these can be recorded within pCR1020 - Pathology Report Text
	Mesothelioma in situ			
	Localised mesothelioma			
	Diffuse mesothelioma			
Histologic subtype of mesothelioma	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
	Epithelioid			
	Biphasic			
	Sarcomatoid			
Grade of mesothelioma	Single selection value list:		pCR0860 - Grade of Differentiation (Pathological)	pCR0860 - Grade of Differentiation (Pathological)
	Low		G1 - Well differentiated	G1 - Well differentiated
	High		G4 - Undifferentiated / anaplastic	G4 - Undifferentiated / anaplastic
	Multiple selection value list:			

Histologic variants of mesothelioma	Architectural patterns	Document percentages for architectural patterns	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
	- Tubulopapillary			
	- Trabecular			
	- Adenomatoid			
	- Solid			
	- Micropapillary			
	Cytological features			
	- Rhabdoid			
	- Deciduoid			
	- Small cell			
	- Clear cell			
	- Signet ring			
	- Lymphohistiocytoid			
	- Pleiomorphic			
	- Transitional			
	Stromal features			
	- Desmoplastic			
	- Myxoid			
	- Heterologous differentiation			
Tumour size (if localised)	Size in mm		pCR0830 - Lesion Size (Pathological)	pCR0830 - Lesion Size (Pathological)
D-PAS mucin staining	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
	Positive			
	Negative			
Alcian blue mucin staining	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
	Positive			
	Negative			
Calretinin	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
	Positive			

	Negative		recorded within pCR1020 - Pathology Report Text	recorded within pCR1020 - Pathology Report Text
Cytokeratin 5/6	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
	Positive			
	Negative			
WT-1	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
	Positive			
	Negative			
BerEP4	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
	Positive			
	Negative			
CEA	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
	Positive			
	Negative			
Other immunohistochemistry	Free text		pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text
Other immunohistochemistry result	Single selection value list:	Not applicable if 'Other immunohistochemistry' is blank	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
	Positive			
	Negative			
	Not applicable			
Tumour limited to ipsilateral parietal ± visceral ± mediastinal ± diaphragmatic pleura	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			
	Not applicable			
Tumour involving all ipsilateral pleural surfaces (parietal, mediastinal,	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			
	Not applicable			

diaphragmatic, visceral)			
Involvement of diaphragmatic muscle	Single selection value list:		Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text
	Yes		Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text
	No		Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text
	Not applicable		Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text
Extension of tumour from visceral pleura into the underlying pulmonary parenchyma	Single selection value list:		Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text
	Yes		Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text
	No		Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text
	Not applicable		Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text
Involvement of endothoracic fascia	Single selection value list:		Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text
	Yes		Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text
	No		Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text
	Not applicable		Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text
Extension into mediastinal fat	Single selection value list:		Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text
	Yes		Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text
	No		Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text
	Not applicable		Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text
Solitary, completely resectable focus of tumour extending into the soft tissues of the chest wall	Single selection value list:		Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text
	Yes		Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text
	No		Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text
	Not applicable		Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text
Non-transmural involvement of the pericardium	Single selection value list:		Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text
	Yes		Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text
	No		Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text
	Not applicable		Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text
Diffuse or multiple foci of the tumour invading the soft tissue of the	Single selection value list:		Not in the COSD Pathology data set, although could be
	Yes		Not in the COSD Pathology data set, although could be
	No		Not in the COSD Pathology data set, although could be

chest wall ± rib destruction	Not applicable		recorded within pCR1020 - Pathology Report Text	recorded within pCR1020 - Pathology Report Text
Direct trans-diaphragmatic extension of tumour to the peritoneum	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			
	Not applicable			
Direct extension of tumour to mediastinal organs (great vessels / oesophagus / trachea / other)	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			
	Not applicable			
Direct extension of tumour to the contralateral pleura	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			
	Not applicable			
Direct extension of tumour into the spine	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			
	Not applicable			
Tumour extending through to the internal surface of the pericardium ± pericardial effusion	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			
	Not applicable			
Direct invasion of the myocardium	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			
	Not applicable			
Ipsilateral bronchopulmonary,	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 submitted			

hilar or mediastinal (including the internal mammary, peridiaphragmatic, pericardial fat pad or intercostal lymph nodes) lymph nodes	Submitted		recorded within pCR1020 - Pathology Report Text	recorded within pCR1020 - Pathology Report Text
	Involved			
Contralateral bronchopulmonary, hilar or mediastinal lymph nodes or ipsilateral or contralateral supraclavicular lymph nodes	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 submitted			
	Submitted			
	Involved			
If neoadjuvant therapy, % of viable tumour on cross-section	Number (range 0–100)		pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text
Excision complete (R0)	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			
	Not applicable			
Macroscopic involvement (R2)	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			
	Not applicable			
Sites of involvement if R1 or R2	Single selection value list:	Only applicable if 'Microscopic involvement (R1)' is Yes or 'Macroscopic involvement (R2)' is Yes	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			
	Not applicable			

Closest excision margin	Free text	Only applicable if 'Excision complete (R0)' is Yes	pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text
Closest excision margin, distance	Distance in mm	Only applicable if 'Excision complete (R0)' is Yes	pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text
Sites of incomplete resection	Free text		pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text
Metastases	Single selection value list:	for unknown (if required) use pCR1020 - Pathology Report Text	pCR0930 - MCategory (Pathological)	pCR0930 - MCategory (Pathological)
	Unknown			
	Absent (M0)			
	Present (M1)			
Metastases, details	Free text	Only applicable if 'Metastases is Present (M1)'	pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text
Background lung, asbestos bodies	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			
	Not applicable			
Background lung, asbestosis	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			
	Not applicable			
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
pT stage	Single selection value list:		pCR0910 - TCCategory (Pathological)=pT	pCR0910 - TCCategory (Pathological)=pT
	pTX; pT0; pT1; pT2; pT3; pT4			
pN stage	Single selection value list:		pCR0920 - NCCategory (Pathological)=pN	pCR0920 - NCCategory (Pathological)=pN
	pNX; pN0; pN1; pN2			

pM stage	Single selection value list: Unknown; cM0; pM1	If it is essential to record 'Unknown' use pCR1020 - Pathology Report Text	pCR0930 - MCategory (Pathological)	pCR0930 - MCategory (Pathological)
Comments	Free text		pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text
SNOMED topography code	T...	May have multiple codes. Look up from SNOMED tables.	pCR6410 - Topography (SNOMED) Pathology	pCR6410 - Topography (SNOMED) Pathology
SNOMED morphology code	M...	May have multiple codes. Look up from SNOMED tables.	pCR6420 - Morphology (SNOMED) Pathology	pCR6420 - Morphology (SNOMED) Pathology