

COSD mapping for Appendix H: Reporting proforma for nephrectomy 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:		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 known			
Specimen laterality	Single selection value list:		pCR0820 - Tumour Laterality (Pathological)	pCR0820 - Tumour Laterality (Pathological)
	Right		R - Right	R - Right
	Left		L - Left	L - Left
	Not specified		9 - Not known	9 - Not known
	Other			
Specimen laterality, Other specify	Free text	<i>Only applicable if 'Specimen laterality, Other' is selected.</i>	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
Operative procedure	Single selection value list:		pCR0760 – Pathology Investigation Type (All values)	pCR0760 – Pathology Investigation Type (All values)
	Radical nephrectomy		RE (Radical Excision)	RE (Radical Excision)
	Simple nephrectomy		EX (Excision)	EX (Excision)
	Partial nephrectomy		PE (Partial excision)	PE (Partial excision)
	Not specified		99 (Uncertain/other)	99 (Uncertain/other)
	Other		99 (Uncertain/other)	99 (Uncertain/other)

			pCR0970 – Specimen Nature (All values)	pCR0970 – Specimen Nature (All values)
			1 (Primary tumour)	1 (Primary tumour)
Adrenal gland	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
	Absent			
	Present			
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
	Absent			
	Present			
Lymph nodes, details	Free text	<i>Only applicable if ‘Lymph nodes, Present’ is selected.</i>	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
IVC thrombus	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
	Absent			
	Present			
Other structures included	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
Tumour focality	Single selection value list:		pCR0840 - Synchronous Tumour Indicator	pCR0840 - Synchronous Tumour Indicator
	Unifocal		N - No, no synchronous tumours present	N - No, no synchronous tumours present
	Multifocal		Y - Yes, synchronous tumours present	Y - Yes, synchronous tumours present
	Cannot be assessed		9 - Not known	9 - Not known
Tumour focality, Multifocal, Specify number of tumours	Integer	<i>Only applicable if ‘Tumour focality, Multifocal’ is selected</i>	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

Maximum tumour dimension 1	Integer		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
Maximum tumour dimension 2	Integer	<i>Only applicable if 'Tumour focality, Multifocal, Specify number of tumours' is >1</i>	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
Maximum tumour dimension 3	Integer	<i>Only applicable if 'Tumour focality, Multifocal, Specify number of tumours' is >2</i>	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
Maximum tumour dimension 4	Integer	<i>Only applicable if 'Tumour focality, Multifocal, Specify number of tumours' is >3</i>	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
Maximum tumour dimension 5	Integer	<i>Only applicable if 'Tumour focality, Multifocal, Specify number of tumours' is >4</i>	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
Tumour present (grossly) in major veins	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
	Present			
	Not identified			
	Uncertain			
	Cannot be assessed			
Tumour present (grossly) in major veins, Present	Single selection value list:	<i>Only applicable if 'Tumour present (grossly) in major veins, Present' is selected.</i>	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
	Renal vein			
	Renal vein and IVC			
Histological tumour type	Single selection value list:		Not in the COSD Pathology data set, although could be	Not in the COSD Pathology data set, although could be
	Clear cell renal cell carcinoma			

	Multilocular cystic renal cell neoplasm of low malignant potential		recorded within <i>pCR1020 - Pathology Report Text</i>	recorded within <i>pCR1020 - Pathology Report Text</i>
	Papillary renal cell carcinoma, type 1			
	Papillary renal cell carcinoma, type 2			
	Papillary renal cell carcinoma, oncocytic			
	Papillary renal cell carcinoma, NOS			
	Hereditary leiomyomatosis renal cell carcinoma-associated renal cell carcinoma			
	Chromophobe renal cell carcinoma			
	Hybrid oncocytic chromophobe tumour			
	Collecting duct carcinoma			
	Renal medullary carcinoma			
	MiT family associated translocation renal cell carcinomas, Xp11			
	MiT family associated translocation renal cell carcinomas, t(6;11)			
	MiT family associated translocation renal cell carcinomas, Other			
	Succinate dehydrogenase (SDH)-deficient renal cell carcinoma			

	Mucinous tubular and spindle cell carcinoma			
	Tubulocystic renal cell carcinoma			
	Acquired cystic disease-associated renal cell carcinoma			
	Clear cell papillary renal cell carcinoma			
	Renal cell carcinoma, unclassified			
	Other			
Histological tumour type, MiT family associated translocation renal cell carcinomas, Other, specify	Free text	<i>Only applicable if 'Histological tumour type, MiT family associated translocation renal cell carcinomas, Other' is selected.</i>	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
Histological tumour type, other specify	Free text	Only applicable if 'Histological tumour type, Other' 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
WHO/ISUP tumour grade	Single selection value list:		pCR0860 - Grade of Differentiation (Pathological)	pCR0860 - Grade of Differentiation (Pathological)
	Not applicable			
	GX		GX - Grade of differentiation is not appropriate or cannot be assessed	GX - Grade of differentiation is not appropriate or cannot be assessed
	G1		G1 - Well differentiated	G1 - Well differentiated
	G2		G2 - Moderately differentiated	G2 - Moderately differentiated
	G3		G3 - Poorly differentiated	G3 - Poorly differentiated
	G4		G4 - Undifferentiated / anaplastic	G4 - Undifferentiated / anaplastic

Sarcomatoid morphology	Single selection value list:		Not in the COSD Pathology data set, although could be recorded within <i>pCR1020 - Pathology Report Text</i>	Not in the COSD Pathology data set, although could be recorded within <i>pCR1020 - Pathology Report Text</i>
	Present			
	Not identified			
Rhabdoid morphology	Single selection value list:		Not in the COSD Pathology data set, although could be recorded within <i>pCR1020 - Pathology Report Text</i>	Not in the COSD Pathology data set, although could be recorded within <i>pCR1020 - Pathology Report Text</i>
	Present			
	Not identified			
Tumour necrosis	Multiple selection value list:		<i>pUR15130 - Tumour Necrosis Indicator</i>	<i>pUR15130 - Tumour Necrosis Indicator</i>
	Macroscopic (confluent)		1 - Macroscopic (confluent)	1 - Macroscopic (confluent)
	Microscopic (coagulative)		2 - Microscopic (coagulative)	2 - Microscopic (coagulative)
	Not identified		3 - Not identified	3 - Not identified
	Cannot be assessed		8 - Cannot be assessed (e.g. post embolisation)	8 - Cannot be assessed (e.g. post embolisation)
Perinephric fat invasion	Single selection value list:		<i>pUR15140 - Perinephric Fat Invasion</i>	<i>pUR15140 - Perinephric Fat Invasion</i>
	Present		Y - Yes (Present)	Y - Yes (Present)
	Not identified		N - No (Not Identified)	N - No (Not Identified)
	Cannot be assessed/not applicable		9 - Cannot be assessed/Not applicable	9 - Cannot be assessed/Not applicable
Invasion beyond Gerota's fascia	Single selection value list:		<i>pUR15170 - Gerota's Fascia Invasion</i>	<i>pUR15170 - Gerota's Fascia Invasion</i>
	Present		Y - Yes (Present)	Y - Yes (Present)
	Not identified		N - No (Not Identified)	N - No (Not Identified)
	Cannot be assessed/not applicable		9 - Cannot be assessed/Not applicable	9 - Cannot be assessed/Not applicable
Renal sinus invasion	Single selection value list:	<i>Recorded only for CTYA - Renal Pathology (Paediatric Kidney) in COSD</i>	<i>pCT6640 - Renal Sinus Invasion</i>	<i>pCT6640 - Renal Sinus Invasion</i>
	Present in fat		Y - Yes	Y - Yes
	Present in vascular spaces		Y - Yes	Y - Yes
	Present in fat and vascular spaces		Y - Yes	Y - Yes

	Not identified		N - No	N - No
	Cannot be assessed/Not applicable			
Tumour present in major veins microscopically	Single selection value list:		<i>pUR15160 - Renal Vein Tumour</i>	<i>pUR15160 - Renal Vein Tumour</i>
	Gross involvement confirmed microscopically		2 - Gross involvement confirmed microscopically	2 - Gross involvement confirmed microscopically
	Microscopic involvement only		1 - Microscopic involvement only	1 - Microscopic involvement only
	Not identified		3 - Not identified	3 - Not identified
	Cannot be assessed/Not applicable		8 - Cannot be assessed/Not applicable	8 - Cannot be assessed/Not applicable
Lymphovascular space invasion	Single selection value list:		<i>pCR0870 - Cancer Vascular or Lymphatic Invasion</i>	<i>pCR0870 - Cancer Vascular or Lymphatic Invasion</i>
	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
Tumour in the pericalyceal system	Single selection value list:		Not in the COSD Pathology data set, although could be recorded within <i>pCR1020 - Pathology Report Text</i>	Not in the COSD Pathology data set, although could be recorded within <i>pCR1020 - Pathology Report Text</i>
	Present			
	Not identified			
	Cannot be assessed/Not applicable			
Tumour in adrenal gland	Single selection value list:		<i>pUR15150 - Adrenal Invasion</i>	<i>pUR15150 - Adrenal Invasion</i>
	Present, direct extension		1 - Present, direct extension	1 - Present, direct extension
	Present, metastasis		2 - Present, metastasis	2 - Present, metastasis
	Not identified		3 - Not identified	3 - Not Involved
	Cannot be assessed/not applicable		8 - Cannot be assessed/Not applicable	8 - Cannot be assessed/Not applicable
Tumour extending into other organ/structures	Single selection value list:		Not in the COSD Pathology data set, although could be	Not in the COSD Pathology data set, although could be
	Tumour present			
	Not identified			

	Cannot be assessed		recorded within pCR1020 - Pathology Report Text	recorded within pCR1020 - Pathology Report Text
Tumour extending into other organ/structures, specify	Free text	<i>Only applicable if 'Tumour extending into other organ/structures, Tumour present' is selected.</i>	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
Regional lymph node status	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
	Applicable			
	Not applicable			
Total number of lymph nodes examined	Integer		pCR0890 - Number of Nodes Examined	pCR0890 - Number of Nodes Examined
Number of positive lymph nodes	Integer		pCR0900 - Number of Nodes Positive	pCR0900 - Number of Nodes Positive
Number of lymph nodes cannot be determined	Single selection value list:	<i>False if number of positive nodes >0.</i>	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
	True			
	False			
Size of largest focus	Size in 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
Extranodal extension	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
	Present			
	Not identified			
	Cannot be assessed			
Resection margin status	Single selection value list:		pCR0880 - Excision Margin	pCR0880 - Excision Margin
	Involved		05 - Tumour reaches excision margin	05 - Tumour reaches excision margin
	Not involved		01 - Excision margins are clear (distance from margin not stated)	01 - Excision margins are clear (distance from margin not stated)

	Cannot be assessed			
Resection margin status, involved site	Single selection value list:	<i>Only applicable if 'Resection margin status, Involved' is selected.</i>	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
	Renal vein			
	IVC			
	Other			
Resection margin status, Involved site, Other	Free text	<i>Only applicable if 'Resection margin status, Involved site, Other' is selected.</i>	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
Resection margin status, Renal vein or IVC margin vein wall invasion	Single selection value list:	<i>Only applicable if 'Resection margin status, Involved site, Other' is selected.</i>	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			
Co-existing pathology in non-neoplastic kidney	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
	Insufficient tissue for evaluation			
	No background pathology identified			
	Present			
Co-existing pathology in non-neoplastic kidney, specify	Free text	<i>Only applicable if 'Co-existing pathology in non-neoplastic kidney, Present' is selected.</i>	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
Metastatic spread	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
	Present			
	Not identified			
	Not applicable			
Metastatic spread, specify	Free text	<i>Only applicable if 'Metastatic spread, Present' is selected.</i>	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

TNM edition number used	UICC8, UICC9	<i>Within COSD, version number and edition are separate but should be reported together</i>	pCR6820 - TNM Version Number (Pathological)	pCR6820 - TNM Version Number (Pathological)
			pCR6980 - TNM Coding Edition	pCR6980 - TNM Coding Edition
pT Category	Single selection value list:		pCR0910 - T Category (Pathological) = pT	pCR0910 - T Category (Pathological) = pT
	pTX, pT0, pT1a, pT1b, pT2a, pT2b,, pT3a, pT3b, pT3c, pT4			
	ypTX, ypT0, ypT1a, ypT1b, ypT2a, ypT2b, ypT3a, ypT3b, ypT3c, ypT4			
pN Category	Single selection value list:		pCR0920 - N Category (Pathological) = pN	pCR0920 - N Category (Pathological) = pN
	pNX, pN0, pN1			
	ypNX, ypN0, ypN1			
pM Category	Single selection value list:	If not applicable needed then use pCR1020 - Pathology Report Text	pCR0930 - N Category (Pathological) = pM	pCR0930 - N Category (Pathological) = pM
	pM1			
	ypM1			
	Not applicable			
SNOMED topography code	T...	<i>May have multiple codes. Look up from SNOMED tables.</i>	pCR6410 - Topography (SNOMED) Pathology = T	pCR6410 - Topography (SNOMED) Pathology = T
SNOMED morphology code	M...	<i>May have multiple codes. Look up from SNOMED tables.</i>	pCR6420 - Morphology (SNOMED) Pathology = M	pCR6420 - Morphology (SNOMED) Pathology = M
Further comments	Free text		pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text