

## COSD mapping for Appendix F: Reporting proforma for paediatric renal tumours 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>Prechemotherapy open biopsy</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			
	Not stated			
<b>Preoperative chemotherapy</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			
	Not stated			
<b>Pre- or intraoperative tumour rupture</b>	Single selection value list:		pCT6610 - Tumour Rupture	pCT6610 - Tumour Rupture
	Yes		Y- Yes	Y- Yes
	No		N- No	N- No
	Not stated		X- Not stated	X- Not stated
<b>Tumour site</b>	Single selection value list:		pCR0820 - Tumour Laterality (Pathological)	pCR0820 - Tumour Laterality (Pathological)
	Left		L- Left	L- Left
	Right		R- Right	R- Right
<b>Tumour bilateral</b>	Single selection value list:	If bilateral, complete separate forms for left and right.	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>Nephrectomy unilateral or bilateral</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
	Unilateral			
	Bilateral			

<b>Unilateral nephrectomy total or partial</b>	Single selection value list:	Only applicable if 'Unilateral' is selected for 'Nephrectomy unilateral or bilateral'.	pCR0760 – Pathology Investigation Type (All values)	pCR0760 – Pathology Investigation Type (All values)
	Total	Not in the COSD Pathology data set, although could be recorded within CR1020 - Pathology Report Text in addition to pCR0760 & pCR0970	RE (Radical Excision)	RE (Radical Excision)
	Partial		PE (Partial excision)	PE (Partial excision)
			pCR0970 – Specimen Nature (All values)	pCR0970 – Specimen Nature (All values)
			1 (Primary tumour)	1 (Primary tumour)
<b>Left nephrectomy total or partial</b>	Single selection value list:	Only applicable if 'Unilateral' is selected for 'Nephrectomy unilateral or bilateral'.	pCR0760 – Pathology Investigation Type (All values)	pCR0760 – Pathology Investigation Type (All values)
	Total	Not in the COSD Pathology data set, although could be recorded within CR1020 - Pathology Report Text in addition to pCR0760 & pCR0970	RE (Radical Excision)	RE (Radical Excision)
	Partial		PE (Partial excision)	PE (Partial excision)
			pCR0970 – Specimen Nature (All values)	pCR0970 – Specimen Nature (All values)
			1 (Primary tumour)	1 (Primary tumour)
<b>Right nephrectomy total or partial</b>	Single selection value list:	Only applicable if 'Unilateral' is selected for 'Nephrectomy unilateral or bilateral'.	pCR0760 – Pathology Investigation Type (All values)	pCR0760 – Pathology Investigation Type (All values)
	Total	Not in the COSD Pathology data set, although could be recorded within CR1020 - Pathology Report Text in addition to pCR0760 & pCR0970	RE (Radical Excision)	RE (Radical Excision)
	Partial		PE (Partial excision)	PE (Partial excision)
			pCR0970 – Specimen Nature (All values)	pCR0970 – Specimen Nature (All values)
			1 (Primary tumour)	1 (Primary tumour)
<b>Total weight of specimen with tumour</b>	Weight in grams		Not in the COSD Pathology data set, although could be	Not in the COSD Pathology data set, although could be

			recorded within pCR1020 - Pathology Report Text	recorded within pCR1020 - Pathology Report Text
<b>Size of specimen</b>	Size in mm in three dimensions		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>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
	Lower pole			
	Upper pole			
	Whole kidney			
	Multifocal			
<b>Tumour multifocal</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			
	Uncertain			
<b>Number of tumour foci</b>	Integer	Only applicable if 'Tumour multifocal' 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
<b>Specimen received intact from operating theatre?</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			
	Uncertain			
<b>Renal capsule grossly intact?</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			
	Uncertain			
<b>Surface inked?</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>Surface inked timing</b>	Single selection value list:	Not applicable if 'Surface inked' is '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
	Before opening specimen			
	After opening specimen			
	Not applicable			
<b>Percentage of necrosis/regressive changes on gross examination, specify</b>	Number between 0 and 100		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>Percentage of necrosis/regressive changes on histological examination</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
	<65%			
	65–99%			
	100%			
<b>Percentage of necrosis/regressive changes on histological examination, specify</b>	Number between 0 and 99.99	Not to be completed if 'Percentage of necrosis/regressive changes on histological examination' is '100%'.	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>Percentage of blastema</b>	Number between 0 and 100		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>Percentage of epithelium</b>	Number between 0 and 100		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>Percentage of stroma</b>	Number between 0 and 100		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
	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			

<b>Anaplastic nephroblastoma</b>	No		recorded within pCR1020 - Pathology Report Text	recorded within pCR1020 - Pathology Report Text
	Uncertain			
<b>Anaplastic nephroblastoma, subclassify</b>	Single selection value list:	Not applicable if 'Anaplastic nephroblastoma' is 'No'.	pCT6620 - Anaplastic Nephroblastoma	pCT6620 - Anaplastic Nephroblastoma
	Focal		F - Focal	F - Focal
	Diffuse		D - Diffused	D - Diffuse
	Uncertain		U - Uncertain	U - Uncertain
	Not applicable			N - No
<b>Perirenal fat invasion</b>	Single selection value list:		pCT6630 - Perirenal Fat Invasion	pCT6630 - Perirenal Fat Invasion
	Yes		Y - Yes	Y - Yes
	No		N - No	N - No
	Uncertain		U - Uncertain	U - Uncertain
<b>Renal sinus invasion</b>	Single selection value list:		pCT6640 - Renal Sinus Invasion	pCT6640 - Renal Sinus Invasion
	Yes		Y - Yes	Y - Yes
	No		N - No	N - No
	Uncertain		U - Uncertain	U - Uncertain
<b>Perirenal vessels invasion</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			
	Uncertain			
<b>Renal vein tumour</b>	Single selection value list:		pCT6650 - Renal Vein Tumour	pCT6650 - Renal Vein Tumour
	Yes		Y - Yes	Y - Yes
	No		N - No	N - No
	Uncertain		U - Uncertain	U - Uncertain
<b>Resection margins involved</b>	Single selection value list:		pCT0880 - Excision Margin	pCT0880 - 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)
	Uncertain		06 - Uncertain	06 - Uncertain
<b>Resection margin tumour viable</b>	Single selection value list:	Not applicable if 'Resection margins involved' is 'No' or 'Uncertain'.	pCT6680 - Viable Tumour at Resection Margin	pCT6680 - Viable Tumour at Resection Margin
	Viable		V - Viable	V - Viable
	Non-viable		N - Non-viable	N - Non-viable
	Not applicable		X - Not applicable	X - Not applicable
<b>Lymph nodes examined</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>Hilar, number of nodes identified</b>	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
<b>Hilar, number of negative nodes</b>	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
<b>Hilar, number of positive nodes</b>	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
<b>Hilar, number of uncertain nodes</b>	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
<b>Hilar, type of nodal involvement</b>	Single selection value list:	Not applicable if 'Hilar, number of positive nodes' is '0'.	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
	Viable			
	Non-viable			
	Both			

	Not applicable			
<b>Para-aortic, number of nodes identified</b>	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
<b>Para-aortic, number of negative nodes</b>	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
<b>Para-aortic, number of positive nodes</b>	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
<b>Para-aortic, number of uncertain nodes</b>	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
<b>Para-aortic, type of nodal involvement</b>	Single selection value list:	Not applicable if 'Para-aortic, number of positive nodes' is '0'.	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
	Viable			
	Non-viable			
	Both			
	Not applicable			
<b>Other, number of nodes identified</b>	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
<b>Other, number of negative nodes</b>	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
<b>Other, number of positive nodes</b>	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



<b>Other, number of uncertain nodes</b>	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
<b>Other, type of nodal involvement</b>	Single selection value list:	Not applicable if 'Other, Number of positive nodes' is '0'.	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
	Viable			
	Non-viable			
	Both			
	Not applicable			
<b>Total number of positive lymph nodes</b>	Integer		pCR0900 - Number of Nodes Positive	pCR0900 - Number of Nodes Positive
<b>Risk group</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
	Low risk			
	Intermediate risk			
	High risk			
<b>Low Risk</b>	Single selection value list:	Only completed if 'Risk group' is 'Low risk'.	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
	Pre-treated case: Mesoblastic nephroma			
	Pre-treated case: Cystic partially differentiated nephroblastoma			
	Pre-treated case: Completely necrotic nephroblastoma			
	Primary nephrectomy case: Mesoblastic nephroma			
	Primary nephrectomy case: Cystic partially differentiated nephroblastoma			
	Single selection value list:			

<b>Intermediate risk</b>	Pre-treated case: Nephroblastoma –epithelial type	Only completed if ‘Risk group’ is ‘Intermediate risk’.	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
	Pre-treated case: Nephroblastoma –stromal type			
	Pre-treated case: Nephroblastoma –mixed type			
	Pre-treated case: Nephroblastoma –regressive type			
	Pre-treated case: Nephroblastoma –focal anaplasia			
	Primary nephrectomy case: Non-anaplastic nephroblastoma and its variants			
	Primary nephrectomy case: Nephroblastoma –focal anaplasia			
<b>High risk</b>	Single selection value list:	Only completed if ‘Risk group’ is ‘High risk’.	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
	Pre-treated case: Nephroblastoma –blastemal type			
	Pre-treated case: Nephroblastoma –diffuse anaplasia			
	Pre-treated case: Clear cell sarcoma of the kidney			
	Pre-treated case: Rhabdoid tumour of the kidney			

	Primary nephrectomy case: Nephroblastoma – diffuse anaplasia			
	Primary nephrectomy case: Clear cell sarcoma of the kidney			
	Primary nephrectomy case: Rhabdoid tumour of the kidney			
<b>Tumour local SIOP stage (2018)</b>	Single selection value list:		pCT6670 - Tumour Local Stage (Pathological)	pCT6670 - Tumour Local Stage (Pathological)
	I		1 - Stage I	1 - Stage I
	II		2 - Stage II	2 - Stage II
	III		3 - Stage III	3 - Stage III
<b>Reason for stage</b>	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
<b>SNOMED topography code</b>	T...	May have multiple codes. Look up from SNOMED tables.	pCR6410 - Topography (SNOMED) Pathology = T	pCR6410 - Topography (SNOMED) Pathology = T
<b>SNOMED morphology code</b>	M...	May have multiple codes. Look up from SNOMED tables.	pCR6420 - Morphology (SNOMED) Pathology = M	pCR6420 - Morphology (SNOMED) Pathology = M
<b>Further comments</b>	Free text		pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text