

## COSD mapping for Appendix G: Reporting proforma for penile 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>			<i>CR0050 - Person Family Name</i>	<i>CR0050 - Person Family Name</i>
<b>Forenames</b>			<i>CR0060 - Person Given Name</i>	<i>CR0060 - Person Given Name</i>
<b>Date of birth</b>			<i>CR0100 - Person Birth Date</i>	<i>CR0100 - Person Birth Date</i>
<b>Sex</b>			<i>CR3170 - Person Stated Gender Code</i>	<i>CR3170 - Person Stated Gender Code</i>
<b>Hospital</b>			<i>pCR0800 - Organisation Identifier (of Reporting Pathologist)</i>	<i>pCR0800 - Organisation Identifier (of Reporting Pathologist)</i>
<b>Hospital no</b>			<i>CR0020 - Local Patient Identifier</i>	<i>CR0020 - Local Patient Identifier</i>
<b>NHS no</b>		<i>CHI number not recorded in COSD</i>	<i>CR0010 - NHS Number</i>	<i>CR0010 - NHS Number</i>
<b>Date of receipt</b>			<i>pCR0770 - Sample Receipt Date</i>	<i>pCR0770 - Sample Receipt Date</i>
<b>Date of report authorisation</b>			<i>pCR0780 - Investigation Result Date</i>	<i>pCR0780 - Investigation Result Date</i>
<b>Report no</b>			<i>pCR0950 - Service Report Identifier</i>	<i>pCR0950 - Service Report Identifier</i>
<b>Pathologist</b>			<i>pCR7100 - Professional Registration Issuer Code - Consultant (Pathology Test Requested By)</i>	<i>pCR7100 - Professional Registration Issuer Code - Consultant (Pathology Test Requested By)</i>
			<i>pCR7120 - Professional Registration Entry Identifier -</i>	<i>pCR7120 - Professional Registration Entry Identifier -</i>

			<b>Consultant (Pathology Test Requested By)</b>	<b>Consultant (Pathology Test Requested By)</b>
<b>Surgeon</b>			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>
<b>Nature of specimen/ procedure</b>	Single selection value list:		<i>pCR0760 - Pathology Investigation Type (All values)</i>	<i>pCR0760 - Pathology Investigation Type (All values)</i>
	small incision/punch biopsy		PB (Punch biopsy) or IB (Incisional biopsy)	PB (Punch biopsy) or IB (Incisional biopsy)
	excision biopsy		BU (Biopsy NOS)	BU (Biopsy NOS)
	circumcision		EX (Excision)	EX (Excision)
	glans resurfacing		EX (Excision)	EX (Excision)
	glansectomy		EX (Excision)	EX (Excision)
	partial penectomy		PE (Partial excision)	PE (Partial excision)
	radical penectomy		RE (Radical excision)	RE (Radical excision)
	site not specified		99 (Other)	99 (Other)
	other		99 (Other)	99 (Other)
			<i>pCR0970 - Specimen Nature (All values)</i>	<i>pCR0970 - Specimen Nature (All values)</i>
			1 (Primary tumour)	1 (Primary tumour)
<b>Nature of specimen/procedure, other (specify)</b>	Free Text	<i>Only applicable if 'Nature of specimen/procedure: other' selected</i>	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>
<b>Other tissues/organs included</b>	Free Text		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>
	Single selection value list:			

<b>Tumour location</b>	glans penis		Not in the COSD Pathology data set, although could be recorded within <b>pCR1020 - Pathology Report Text</b>	Not in the COSD Pathology data set, although could be recorded within <b>pCR1020 - Pathology Report Text</b>
	sulcus			
	foreskin			
<b>Maximum tumour width, macroscopic</b>	Size in mm		Not in the COSD Pathology data set, although could be recorded within <b>pCR1020 - Pathology Report Text</b>	Not in the COSD Pathology data set, although could be recorded within <b>pCR1020 - Pathology Report Text</b>
<b>Maximum tumour width, macroscopic, not assessable</b>	<b>Single selection value list:</b>	<i>If 'Tumour thickness, macroscopic' is given, value is 'No'</i>	Not in the COSD Pathology data set, although could be recorded within <b>pCR1020 - Pathology Report Text</b>	Not in the COSD Pathology data set, although could be recorded within <b>pCR1020 - Pathology Report Text</b>
	Yes			
	No			
<b>Tumour thickness, macroscopic</b>	Size in mm		Not in the COSD Pathology data set, although could be recorded within <b>pCR1020 - Pathology Report Text</b>	Not in the COSD Pathology data set, although could be recorded within <b>pCR1020 - Pathology Report Text</b>
<b>Tumour thickness, macroscopic, not assessable</b>	<b>Single selection value list:</b>	<i>If 'Tumour thickness, macroscopic' is given, value is 'No'</i>	Not in the COSD Pathology data set, although could be recorded within <b>pCR1020 - Pathology Report Text</b>	Not in the COSD Pathology data set, although could be recorded within <b>pCR1020 - Pathology Report Text</b>
	Yes			
	No			
<b>Number of Tumours</b>	Integer	<i>If 'Number of tumours' is &gt;0, value is 'No'</i>	<b>pCR0840 - Synchronous Tumour Indicator</b>	<b>pCR0840 - Synchronous Tumour Indicator</b>
			Y - Yes, synchronous tumours present	Y - Yes, synchronous tumours present
			N - No, no synchronous tumours present	N - No, no synchronous tumours present
			9 - Not known	9 - Not known
<b>Tumour subtypes</b>	<b>Single selection value list:</b>		Not in the COSD Pathology data set, although could be recorded within <b>pCR1020 - Pathology Report Text</b>	Not in the COSD Pathology data set, although could be recorded within <b>pCR1020 - Pathology Report Text</b>
	HPV-independent squamous cell carcinoma			
	HPV-associated squamous cell carcinoma			
	Squamous cell carcinoma NOS			

	Adenosquamous carcinoma			
	Mucinous carcinoma			
	Specify			
<b>Tumour subtypes, other</b>	Free Text		Not in the COSD Pathology data set, although could be recorded within <b><i>pCR1020 - Pathology Report Text</i></b>	Not in the COSD Pathology data set, although could be recorded within <b><i>pCR1020 - Pathology Report Text</i></b>
<b>Degree of differentiation</b>	<b>Single selection value list:</b>		<b><i>pCR0860 - Grade of Differentiation (PATHOLOGICAL)</i></b>	<b><i>pCR0860 - Grade of Differentiation (PATHOLOGICAL)</i></b>
	well differentiated (Grade 1)		<i>G1 - Well differentiated</i>	<i>G1 - Well differentiated</i>
	moderately differentiated (Grade 2)		<i>G2 - Moderately differentiated</i>	<i>G2 - Moderately differentiated</i>
	poorly differentiated (Grade 3)		<i>G3 - Poorly differentiated</i>	<i>G3 - Poorly differentiated</i>
	sarcomatoid areas present		<i>G4 - Undifferentiated / anaplastic</i>	<i>G4 - Undifferentiated / anaplastic</i>
<b>Maximum tumour width, microscopic</b>	Size in mm		Not in the COSD Pathology data set, although could be recorded within <b><i>pCR1020 - Pathology Report Text</i></b>	Not in the COSD Pathology data set, although could be recorded within <b><i>pCR1020 - Pathology Report Text</i></b>
<b>Maximum tumour width, microscopic, not assessable</b>	<b>Single selection value list:</b>	<i>If 'Tumour thickness, microscopic' is given, value is 'No'</i>	Not in the COSD Pathology data set, although could be recorded within <b><i>pCR1020 - Pathology Report Text</i></b>	Not in the COSD Pathology data set, although could be recorded within <b><i>pCR1020 - Pathology Report Text</i></b>
	Yes		Not in the COSD Pathology data set, although could be recorded within <b><i>pCR1020 - Pathology Report Text</i></b>	Not in the COSD Pathology data set, although could be recorded within <b><i>pCR1020 - Pathology Report Text</i></b>
	No		Not in the COSD Pathology data set, although could be recorded within <b><i>pCR1020 - Pathology Report Text</i></b>	Not in the COSD Pathology data set, although could be recorded within <b><i>pCR1020 - Pathology Report Text</i></b>
<b>Maximum tumour thickness, microscopic</b>	Size in mm		Not in the COSD Pathology data set, although could be recorded within <b><i>pCR1020 - Pathology Report Text</i></b>	Not in the COSD Pathology data set, although could be recorded within <b><i>pCR1020 - Pathology Report Text</i></b>
<b>Maximum tumour thickness, microscopic, not assessable</b>	<b>Single selection value list:</b>	<i>If 'Maximum tumour thickness, microscopic' is given, value is 'No'</i>	Not in the COSD Pathology data set, although could be recorded within <b><i>pCR1020 - Pathology Report Text</i></b>	Not in the COSD Pathology data set, although could be recorded within <b><i>pCR1020 - Pathology Report Text</i></b>
	Yes		Not in the COSD Pathology data set, although could be recorded within <b><i>pCR1020 - Pathology Report Text</i></b>	Not in the COSD Pathology data set, although could be recorded within <b><i>pCR1020 - Pathology Report Text</i></b>
	No		Not in the COSD Pathology data set, although could be recorded within <b><i>pCR1020 - Pathology Report Text</i></b>	Not in the COSD Pathology data set, although could be recorded within <b><i>pCR1020 - Pathology Report Text</i></b>

<b>Associated PeIN</b>	<b>Single selection value list:</b>		Not in the COSD Pathology data set, although could be recorded within <b><i>pCR1020 - Pathology Report Text</i></b>	Not in the COSD Pathology data set, although could be recorded within <b><i>pCR1020 - Pathology Report Text</i></b>
	present			
	not identified			
	cannot be assessed			
<b>Subtype of PeIN</b>	<b>Single selection value list:</b>	<i>Not applicable if 'Associated PeIN is not identified or cannot be assessed'</i>	Not in the COSD Pathology data set, although could be recorded within <b><i>pCR1020 - Pathology Report Text</i></b>	Not in the COSD Pathology data set, although could be recorded within <b><i>pCR1020 - Pathology Report Text</i></b>
	HPV-independent			
	HPV-associated			
	not applicable			
<b>Lymphovascular invasion</b>	<b>Single selection value list:</b>		<b><i>pCR0870 - Cancer Vascular or Lymphatic Invasion</i></b>	<b><i>pCR0870 - Cancer Vascular or Lymphatic Invasion</i></b>
	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
			XX - Cannot be assessed	XX - Cannot be assessed
<b>Perineural invasion</b>	<b>Single selection value list:</b>		Not available in COSD Pathology v4.0.2 for Penile Cancer, although could be recorded within <b><i>pCR1020 - Pathology Report Text</i></b>	<b><i>pCR1100 - Perineural Invasion</i></b>
	Present			1 - Present
	Not identified			2 - Not identified
<b>Subepithelial invasion by tumour</b>	<b>Single selection value list:</b>		<i>Not in the COSD Pathology data set, although could be recorded within <b><i>pCR1020 - Pathology Report Text</i></b></i>	<i>Not in the COSD Pathology data set, although could be recorded within <b><i>pCR1020 - Pathology Report Text</i></b></i>
	Yes			
	No			
<b>Invasion of corpus spongiosum</b>	<b>Single selection value list:</b>		<b><i>pUR15180 - Corpus Spongiosum Invasion</i></b>	<b><i>pUR15180 - Corpus Spongiosum Invasion</i></b>
	Yes		Y - Yes	Y - Yes
	No		N - No	N - No
<b>Invasion of corpus cavernosum</b>	<b>Single selection value list:</b>		<b><i>pUR15190 - Corpus Cavernosum Invasion</i></b>	<b><i>pUR15190 - Corpus Cavernosum Invasion</i></b>
	Yes		Y - Yes	Y - Yes
	No		N - No	N - No

<b>Urethral invasion</b>	Single selection value list:		<b>pUR15200 - Urethra or Prostate Invasion</b>	<b>pUR15200 - Urethra or Prostate Invasion</b>
	Yes		Y - Yes	Y - Yes
	No		N - No	N - No
<b>Invasion of adjacent structures</b>	Single selection value list:		<i>Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text</i>	<i>Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text</i>
	Yes			
	No			
<b>Urethral 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
	Involved			
	Not involved			
	not assessable/applicable			
<b>Distance from urethral margin</b>	Size in mm	<i>Only recorded when distance is 5 mm or less</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
<b>Periurethral tissue 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
	Involved			
	Not involved			
	not assessable/applicable			
<b>Distance from periurethral tissue margin</b>	Size in mm	<i>Only recorded when distance is 5 mm or less</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
<b>Corpus cavernosum 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
	Involved			
	Not involved			
	not assessable/applicable			
<b>Distance from corpus cavernosum margin</b>	Size in mm	<i>Only recorded when distance is 5 mm or less</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

<b>Circumferential shaft margin</b>	<b>Single selection value list:</b>		Not in the COSD Pathology data set, although could be recorded within <b>pCR1020 - Pathology Report Text</b>	Not in the COSD Pathology data set, although could be recorded within <b>pCR1020 - Pathology Report Text</b>
	Involved			
	Not involved			
	not assessable/applicable			
<b>Distance from circumferential shaft margin</b>	Size in mm	<i>Only recorded when distance is 5 mm or less</i>	Not in the COSD Pathology data set, although could be recorded within <b>pCR1020 - Pathology Report Text</b>	Not in the COSD Pathology data set, although could be recorded within <b>pCR1020 - Pathology Report Text</b>
<b>Peripheral cutaneous margin</b>	<b>Single selection value list:</b>		Not in the COSD Pathology data set, although could be recorded within <b>pCR1020 - Pathology Report Text</b>	Not in the COSD Pathology data set, although could be recorded within <b>pCR1020 - Pathology Report Text</b>
	Involved			
	Not involved			
	not assessable/applicable			
<b>Distance from peripheral cutaneous margin</b>	Size in mm	<i>Only recorded when distance is 5 mm or less</i>	Not in the COSD Pathology data set, although could be recorded within <b>pCR1020 - Pathology Report Text</b>	Not in the COSD Pathology data set, although could be recorded within <b>pCR1020 - Pathology Report Text</b>
<b>Peripheral glans margin</b>	<b>Single selection value list:</b>		Not in the COSD Pathology data set, although could be recorded within <b>pCR1020 - Pathology Report Text</b>	Not in the COSD Pathology data set, although could be recorded within <b>pCR1020 - Pathology Report Text</b>
	Involved			
	Not involved			
	not assessable/applicable			
<b>Distance from peripheral glans margin</b>	Size in mm	<i>Only recorded when distance is 5 mm or less</i>	Not in the COSD Pathology data set, although could be recorded within <b>pCR1020 - Pathology Report Text</b>	Not in the COSD Pathology data set, although could be recorded within <b>pCR1020 - Pathology Report Text</b>
<b>Deep margin (NOS)</b>	<b>Single selection value list:</b>		Not in the COSD Pathology data set, although could be recorded within <b>pCR1020 - Pathology Report Text</b>	Not in the COSD Pathology data set, although could be recorded within <b>pCR1020 - Pathology Report Text</b>
	Involved			
	Not involved			
	not assessable/applicable			
<b>Distance from deep margin (NOS)</b>	Size in mm	<i>Only recorded when distance is 5 mm or less</i>	Not in the COSD Pathology data set, although could be recorded within <b>pCR1020 - Pathology Report Text</b>	Not in the COSD Pathology data set, although could be recorded within <b>pCR1020 - Pathology Report Text</b>

<b>Other margin</b>	<b>Single selection value list:</b>		Not in the COSD Pathology data set, although could be recorded within <b><i>pCR1020 - Pathology Report Text</i></b>	Not in the COSD Pathology data set, although could be recorded within <b><i>pCR1020 - Pathology Report Text</i></b>
	Involved			
	Not involved			
	not assessable/applicable			
<b>Other margin, specify</b>	Free text		Not in the COSD Pathology data set, although could be recorded within <b><i>pCR1020 - Pathology Report Text</i></b>	Not in the COSD Pathology data set, although could be recorded within <b><i>pCR1020 - Pathology Report Text</i></b>
<b>Distance from other margin</b>	Size in mm	<i>Only recorded when distance is 5 mm or less</i>	Not in the COSD Pathology data set, although could be recorded within <b><i>pCR1020 - Pathology Report Text</i></b>	Not in the COSD Pathology data set, although could be recorded within <b><i>pCR1020 - Pathology Report Text</i></b>
<b>PeIN at margin</b>	<b>Single selection value list:</b>		Not in the COSD Pathology data set, although could be recorded within <b><i>pCR1020 - Pathology Report Text</i></b>	Not in the COSD Pathology data set, although could be recorded within <b><i>pCR1020 - Pathology Report Text</i></b>
	Yes			
	No			
	Cannot be assessed			
<b>Site of PeIN positive margins</b>	Free text		Not in the COSD Pathology data set, although could be recorded within <b><i>pCR1020 - Pathology Report Text</i></b>	Not in the COSD Pathology data set, although could be recorded within <b><i>pCR1020 - Pathology Report Text</i></b>
<b>Modified UICC TNM version 9 pT stage</b>	pTX, pT0, pTis, pTa, pT1a, pT1b, pT2, pT3, pT4	<i>pTis is used for PeIN.</i>	<b><i>pCR0910 - T Category (Pathological)</i></b> = pT	<b><i>pCR0910 - T Category (Pathological)</i></b> = pT
<b>TNM edition number used</b>	Free text	<i>Within COSD, version number and edition are separate but should be reported together</i>	<b><i>pCR6820 - TNM VERSION NUMBER (PATHOLOGICAL)</i></b>	<b><i>pCR6820 - TNM VERSION NUMBER (PATHOLOGICAL)</i></b>
			<b><i>pCR6980 - TNM CODING EDITION</i></b>	<b><i>pCR6980 - TNM CODING EDITION</i></b>
<b>SNOMED topography code</b>	T...	<i>May have multiple codes. Look up from SNOMED tables.</i>	<b><i>pCR6410 - Topography (SNOMED) Pathology = T</i></b>	<b><i>pCR6410 - Topography (SNOMED) Pathology = T</i></b>
<b>SNOMED morphology code</b>	M...	<i>May have multiple codes. Look up from SNOMED tables.</i>	<b><i>pCR6420 - Morphology (SNOMED) Pathology = M</i></b>	<b><i>pCR6420 - Morphology (SNOMED) Pathology = M</i></b>

<b>SNOMED procedure code</b>		<i>May have multiple codes. Look up from SNOMED tables.</i>	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>
<b>Further comments</b>	Free text		<i>pCR1020 - Pathology Report Text</i>	<i>pCR1020 - Pathology Report Text</i>