

## COSD mapping for Appendix D: Reporting proforma for carcinomas of the nasopharynx and oropharynx 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>Neoadjuvant therapy</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
	Information not provided			
	Not administered			
	Administered, specify type			
	Multi selection value list (select all that apply):			
	- Chemotherapy			
	- Radiotherapy			
	- Chemoradiotherapy			
	- Targeted therapy, specify if available			
	- Immunotherapy, specify if available			
<b>Operative procedure</b>	Single selection value list:	*If a neck dissection is submitted, then a separate dataset is used to record the information.	pCR0760 – Pathology Investigation Type (All values)	pCR0760 – Pathology Investigation Type (All values)
	Not specified			
	Resection, specify			
	- Transoral laser microsurgical resection		EX - Excision; RE - Radical Excision; PE - Partial Excision	EX - Excision; RE - Radical Excision; PE - Partial Excision
	- Transoral robotic surgical resection		EX - Excision; RE - Radical Excision; PE - Partial Excision	EX - Excision; RE - Radical Excision; PE - Partial Excision
	- Other, specify		99 (Uncertain/other)	99 (Uncertain/other)
	Biopsy (excisional, incisional), specify		BU - Biopsy NOS; IB - Incisional Biopsy	BU - Biopsy NOS; IB - Incisional Biopsy

	Neck (lymph node) dissection*, specify		EX - Excision	EX - Excision
	Other, specify		99 - Uncertain/other	99 - Uncertain/other
			pCR0970 – Specimen Nature (All values)	pCR0970 – Specimen Nature (All values)
			1 (Primary tumour)	1 (Primary tumour)
<b>Specimens submitted</b>	Multi selection value list:	*If a neck dissection is submitted, then a separate dataset is used to record the information.	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 specified			
	Oropharynx			
	- Palatine tonsil			
	- Base of tongue/lingual tonsil			
	- Soft palate			
	- Uvula			
	- Pharyngeal wall (posterior)			
	- Pharyngeal wall (lateral)			
	- Other, specify			
	Nasopharynx, specify if necessary			
	Other, specify			
<b>Tumour site</b>	Multi selection value list (select all that apply):	pCR0820 - Tumour Laterality (Pathological) identifies the side of the body for a tumour relating to paired organs, not the laterality of a specimen.	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
	Cannot be assessed			
	Oropharynx			
	- Left			
	- Right			
	- Midline			
	- Laterality not specified			
	- Palatine tonsil			
	- Base of tongue/lingual tonsil			

	- Soft palate			
	- Uvula			
	- Pharyngeal wall (posterior)			
	- Pharyngeal wall (lateral)			
	- Other, specify			
	Nasopharynx			
	- Left			
	- Right			
	- Midline			
	- Laterality not specified			
	- Nasopharyngeal tonsils (adenoids)			
	- Fossa of Rosenmüller			
	- Other, specify			
	Other, specify including laterality			
<b>Tumour dimensions</b>	Single selection value list:			
	Maximum tumour dimension (largest tumour) ____ mm		pCR0830 - Lesion Size (Pathological)	pCR0830 - Lesion Size (Pathological)
	Additional dimensions (largest tumour) ____ mm x ____ mm		pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text
	Cannot be assessed, specify		pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text
<b>Histological type</b>	Multi selection value list (select all that apply):	Value list from the WHO Classification of Head and Neck Tumours (2017).  Note that permission to publish the WHO classification of tumours may	It may be possible to use pCR6420 - Morphology (SNOMED) Pathology to record the Histological type, if not then record the information within pCR1020 - Pathology Report Text	It may be possible to use pCR6420 - Morphology (SNOMED) Pathology to record the Histological type, if not then record the information within pCR1020 - Pathology Report Text
	Salivary gland carcinoma			
	- Specify type			
	Neuroendocrine carcinoma			
	- Specify type			
	- Other, specify type			

	Carcinomas of the oropharynx	be needed in your implementation. It is advisable to check with the International Agency on Cancer research (IARC).		
	- Squamous cell carcinoma, conventional			
	- Single selection value list:			
	- Keratinising			
	- Non-keratinising			
	- Non-keratinising with maturation ('partially keratinising')			
	- Acantholytic squamous cell carcinoma			
	- Adenosquamous carcinoma			
	- Basaloid squamous cell carcinoma			
	- Papillary squamous cell carcinoma			
	- Spindle cell carcinoma			
	- Verrucous carcinoma			
	- Lymphoepithelial carcinoma			
	Carcinomas of the nasopharynx			
	- Non-keratinising squamous cell carcinoma			
	- Single selection value list:			
	- Differentiated			
	- Undifferentiated (lymphoepithelial)			
	- Keratinising squamous cell carcinoma			
	- Basaloid squamous cell carcinoma			

	- Nasopharyngeal papillary adenocarcinoma			
	- Cannot be assessed, specify			
<b>Histological grade</b>	Single selection value list:	For 'Other, specify' and 'Cannot be assessed, specify' use pCR1020 - Pathology Report Text	pCR0860 - Grade of Differentiation (Pathological)	pCR0860 - Grade of Differentiation (Pathological)
	Not applicable			
	GX: Cannot be assessed		GX - Grade of differentiation is not appropriate or cannot be assessed	GX - Grade of differentiation is not appropriate or cannot be assessed
	G1: Well differentiated		G1 - Well differentiated	G1 - Well differentiated
	G2: Moderately differentiated		G2 - Moderately differentiated	G2 - Moderately differentiated
	G3: Poorly differentiated		G3 - Poorly differentiated	G3 - Poorly differentiated
	Other, specify			
	Cannot be assessed, specify			
<b>Depth of invasion</b>	Numeric/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
	___mm			
	Not applicable			
	Cannot be assessed, specify			
<b>Perineural invasion</b>	Single selection value list:	Not applicable for nasopharynx.  If additional information required for 'Cannot be assessed, specify' use pCR1020 - Pathology Report Text	Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text	pCR1100 - Perineural Invasion
	Not identified			2 - Not Identified
	Present			1 - Present
	Cannot be assessed, specify			X - Cannot be assessed
<b>Lymphovascular invasion</b>	Single selection value list:	Not applicable for nasopharynx.  If additional information	pCR0870 - Cancer Vascular or Lymphatic Invasion	pCR0870 - Cancer Vascular or Lymphatic Invasion
	Not identified		NU - No - vascular/lymphatic invasion not present	NU - No - vascular/lymphatic invasion not present

	Present	required for 'Cannot be assessed, specify' use	YU - Yes - vascular/lymphatic invasion present	YU - Yes - vascular/lymphatic invasion present
	Cannot be assessed, specify	pCR1020 - Pathology Report Text	XX - Cannot be assessed	XX - Cannot be assessed
<b>Margin Status</b>	Single selection value list/text/numeric:	<p>**There is no clear morphologic distinction between invasive and in situ carcinoma for HPV-positive oropharyngeal and EBV-positive nasopharyngeal carcinomas, so all carcinoma at margin should be included in evaluation simply as 'involved by carcinoma'.</p> <p>***Only applicable for HPV-negative oropharyngeal and EBV-negative nasopharyngeal tumours and for tonsillar surface disease. High-grade dysplasia is synonymous with moderate/severe dysplasia.</p>	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
	Invasive carcinoma**			
	Involved			
	- Specify margin(s), if possible			
	Not involved			
	- Distance of tumour from closest margin ___ mm			
	- Distance not assessable			
	- Specify closest margin, if possible			
	Carcinoma in situ/high-grade dysplasia***			
	Involved			
	- Specify margin(s), if possible			
	Not involved			
	- Distance of tumour from closest margin ___ mm			
	- Distance not assessable			
	- Specify closest margin, if possible			
	Not applicable***			
	Cannot be assessed, specify			
<b>Coexistent pathology</b>	Multi selection value list (select all that apply):	****Applicable for oropharyngeal surface mucosal disease only; not for tonsillar crypt epithelium.	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
	None identified			
	Dysplasia****			

	Single selection value list:			
	- Mild			
	- Moderate			
	- Severe			
	- Focal			
	- Multifocal			
	- Discontinuous with the primary site			
	Carcinoma in situ			
	Single selection value list:			
	- Focal			
	- Multifocal			
	- Discontinuous with the primary site			
	Other, specify			
	Ancillary studies	Single selection value list:		Although we have pHN9510 - HPV-ISH Testing and pHN950 - p16 Testing Indicator within COSD, we do not have the granular detail requested within this data item.
Viral testing/Viral tumour markers				
Oropharynx				
Not performed/unknown				
Performed (select all that apply)				
- Immunohistochemistry				
- Positive			Therefore, these data should be recorded within pCR1020 - Pathology Report Text.	Therefore, these data should be recorded within pCR1020 - Pathology Report Text.
- >70% nuclear and sytoplasmic staining of at least moderate to strong intensity				
- Other criterion used, specify				
- Negative				



	- Criteria used to determine results, specify		
	- High-risk HPV-specific testing		
	Single selection value list:		
	DNA PCR		
	- Not identified	Not in the COSD Pathology v4 data set, although could be recorded within pCR1020 - Pathology Report Text	pNH9640 - EBV-ISH Testing
	- Present		
	DNA in situ hybridisation		
	- Not identified		
	- Present		
	E6/E7 mRNA in situ hybridisation		
	- Not identified		
	- Present		
	E6/E7 mRNA RTPCR		
	- Not identified		
	- Present		
	Viral testing/Viral tumour markers		
	Nasopharynx		
	Not performed/unknown		
	Performed	Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text	X - Not Performed/Not Known
	- EBV (EBER) in situ hybridisation - positive		
	- EBV (EBER) in situ hybridisation - negative		
	Other ancillary studies		
	Not performed		
	Performed, 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

<b>Pathological staging (UICC TNM 9th edition) TNM descriptors</b>	Core (choose if applicable) - m – multiple primary tumours - r – recurrent - y – post-therapy		pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text
<b>Primary tumour (pT)</b>	Free text	UICC TNM 9th edition, only if applicable	pCR0910 - T Category (Pathological) = pT	pCR0910 - T Category (Pathological) = pT
<b>TNM edition number used</b>	Free text	Within COSD, version number and edition are separate but should be reported together	pCR6820 - TNM VERSION NUMBER (PATHOLOGICAL)	pCR6820 - TNM VERSION NUMBER (PATHOLOGICAL)
			pCR6980 - TNM CODING EDITION	pCR6980 - TNM CODING EDITION
<b>P16 negative oropharynx</b>	Single selection		pHN9500 - p16 Testing Indicator	pHN9500 - p16 Testing Indicator
			N - Negative	N - Negative
<b>Nasopharynx</b>	Single selection		pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text
<b>Further comments</b>	Free text		pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text