

COSD mapping for Appendix D: Reporting proforma for carcinomas of the larynx and hypopharynx 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) |

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| | | | 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 |
| Operative procedure (Core) | Multi 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 | | | |
| | Biopsy (excisional, incisional), specify | Additional information could be recorded within CR1020 - Pathology Report Text, if you feel pCR0760 and pCR0970 are not suitable. | BU (Biopsy NOS), IB (Incisional Biopsy) | BU (Biopsy NOS), IB (Incisional Biopsy) |
| | Resection, specify | | RE (Radical Excision), PE (Partial excision), FE (Further Excision) | RE (Radical Excision), PE (Partial excision), FE (Further Excision) |
| | 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), 4 (Regional Lymph Nodes) | 1 (Primary tumour), 4 (Regional Lymph Nodes) |
| Specimens submitted (Core) | Multi selection value list: | select all that apply | 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 | | | |
| | Trachea | | | |
| | Hypopharynx | | | |
| | - Laryngopharyngectomy | | | |
| | - Other, specify | | | |
| | Larynx | | | |

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| | - Endolaryngeal excision | | | |
| | - Transoral laser excision | | | |
| | - Supraglottic laryngectomy | | | |
| | - Supracricoid laryngectomy | | | |
| | - Total laryngectomy | | | |
| | - Vertical hemilaryngectomy, specify side | | | |
| | - Partial laryngectomy, specify type | | | |
| | - Other, specify | | | |
| Specimen dimensions (Core) | Numeric: - Maximum dimension 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 |
| Tumour site (Core) | 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 | | | |
| | No macroscopically visible tumour | | | |
| | Trachea | | | |
| | - Left | | | |
| | - Right | | | |
| | - Midline | | | |
| | - Laterality not specified | | | |
| | Hypopharynx | | | |
| | - Left | | | |
| | - Right | | | |
| | - Midline | | | |
| | - Laterality not specified | | | |
| | Piriform sinus | | | |
| | Postcricoid | | | |

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| | Pharyngeal wall (posterior and/or lateral) | | | |
| | Other, specify | | | |
| | Larynx supraglottis | | | |
| | - Left | | | |
| | - Right | | | |
| | - Midline | | | |
| | - Laterality not specified | | | |
| | Epiglottis | | | |
| | - Lingual aspect | | | |
| | - Laryngeal aspect | | | |
| | Aryepiglottic fold | | | |
| | Arytenoid | | | |
| | False vocal cord/fold | | | |
| | Ventricle | | | |
| | Larynx, glottis | | | |
| | - Left | | | |
| | - Right | | | |
| | - Midline | | | |
| | - Laterality not specified | | | |
| | True vocal cord/fold | | | |
| | Anterior commissure | | | |
| | Posterior commissure | | | |
| | Larynx, subglottis | | | |
| | - Left | | | |
| | - Right | | | |
| | - Midline | | | |
| | - Laterality not specified | | | |
| | Tumour laterality | | | |
| | - Left | | | |

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| | - Right | | | |
| | - Bilateral/Midline | | | |
| | Other, specify including laterality | | | |
| Tumour dimensions (Core) | Numeric: - Maximum tumour dimension (largest tumour) in mm - Cannot be assessed, specify | | pCR0830 - Lesion Size (Pathological) | pCR0830 - Lesion Size (Pathological) |
| Histological tumour type (Core) | Multi selection value list: | Value list from the WHO Classification of Head and Neck Tumours (2017). Note that permission to publish the WHO classification of tumours may be needed in your implementation. It is advisable to check with the International Agency on Cancer research (IARC). | 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 |
| | Squamous cell carcinoma, conventional type | | | |
| | Squamous cell carcinoma, variant types | | | |
| | - Adenosquamous carcinoma | | | |
| | - Basaloid squamous cell carcinoma | | | |
| | - Papillary squamous cell carcinoma | | | |
| | - Spindle cell squamous cell carcinoma | | | |
| | - Verrucous squamous cell carcinoma | | | |
| | Lymphoepithelial carcinoma | | | |
| | Neuroendocrine carcinoma | | | |
| | - Well differentiated neuroendocrine carcinoma | | | |
| | - Moderately differentiated neuroendocrine carcinoma | | | |
| | - Poorly differentiated neuroendocrine carcinoma | | | |

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| | - Small cell neuroendocrine carcinoma | | | |
| | - Large cell neuroendocrine carcinoma | | | |
| | Combined (or composite) neuroendocrine carcinoma, with squamous or adenosquamous component | | | |
| | Carcinomas of minor salivary glands | | | |
| | - Adenoid cystic carcinoma, specify grade | | | |
| | - Mucoepidermoid carcinoma, specify grade | | | |
| | - Other, specify | | | |
| | Other, specify | | | |
| Histological tumour grade (Core) | Single selection value list: | For 'Other/specify' use CR1020 - 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 | | | |
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| Extent of Invasion (Core) | Multi selection value list: | select all that apply/numeric | 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 |
| | Larynx | | | |
| | - Not identified | | | |
| | - Involves mucosa | | | |
| | - Involves paraglottic space | | | |
| | - Involves pre-epiglottic space | | | |

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| | - Partial thickness invasion of cartilage | | | |
| | - Full thickness invasion of cartilage | | | |
| | Hypopharynx | | | |
| | - Tissue layers involved, specify | | | |
| Perineural invasion (Core) | Single selection value list: | | 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 |
| Lymphovascular invasion (Core) | Single selection value list: | | 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 | | YU- Yes - vascular/lymphatic invasion present | YU- Yes - vascular/lymphatic invasion present |
| | Cannot be assessed, specify | | XX- Cannot be assessed | XX- Cannot be assessed |
| Margin Status (Core) | Single selection value list/text/numeric: | **High-grade dysplasia is synonymous with moderate/severe dysplasia. | 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 from closest margin ___ mm | | | |
| | - Distance not assessable | | | |
| | - Specify closest margin, if possible | | | |
| | Carcinoma in situ/high-grade dysplasia** | | | |

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| | Involved | | | |
| | - Specify margin(s), if possible | | | |
| | Not involved | | | |
| | - Distance from closest margin ____ mm | | | |
| | - Distance not assessable | | | |
| | - Specify closest margin, if possible | | | |
| | Not applicable | | | |
| | Cannot be assessed, specify | | | |
| Pathological staging (UICC TNM 8th edition) TNM descriptors (Core) | Choose if applicable | Reproduced with permission. Source: Brierley, James D, Gospodarowicz Mary K, Wittekind, Christian. UICC TNM Classification of Malignant Tumours (8th edition), Chichester, UK: Wiley-Blackwell, 2017. | 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 |
| | m – multiple primary tumours | | | |
| | r – recurrent | | | |
| | y – post-therapy | | | |
| Primary tumour (pT) (Core) | Single selection value list: - TX Primary tumour cannot be assessed - Tis Carcinoma in situ | Note that the results of lymph node/neck dissection are derived from a separate dataset. | pCR0910 - T Category (Pathological) = pT | pCR0910 - T Category (Pathological) = pT |

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| Primary tumour: Hypopharynx | <p>Single selection value list:</p> <ul style="list-style-type: none"> - T1 Tumour limited to one subsite of hypopharynx and/or 2 cm or less in greatest dimension - T2 Tumour invades more than one subsite of hypopharynx or an adjacent site, or measures more than 2 cm but not more than 4 cm in greatest dimension without fixation of hemilarynx - T3 Tumour more than 4 cm in greatest dimension, or with fixation of hemilarynx or extension to oesophageal mucosa - T4a Moderately advanced local disease: tumour invades any of the following: thyroid/cricoid cartilage, hyoid bone, thyroid gland, oesophagus, or central compartment soft tissue# - T4b Very advanced local disease: tumour invades prevertebral fascia, encases carotid artery, or invades mediastinal structures | <p># Central compartment soft tissue includes prelaryngeal strap muscles and subcutaneous fat.</p> | <p>pCR0910 - TCategory (Pathological) = pT</p> | <p>pCR0910 - TCategory (Pathological) = pT</p> |
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| Primary tumour: Supraglottis | <p>Single selection value list:</p> <ul style="list-style-type: none"> - T1 Tumour limited to one subsite of supraglottis with normal vocal cord mobility - T2 Tumour invades mucosa of more than one adjacent subsite of supraglottis or glottis or region outside the supraglottis (e.g. mucosa of base of tongue, vallecula, medial wall of piriform sinus) without fixation of the larynx - T3 Tumour limited to larynx with vocal cord fixation and/or invades any of the following: postcricoid area, pre-epiglottic space, paraglottic space, and/or inner cortex of thyroid cartilage - T4a Moderately advanced local disease: tumour invades through the thyroid cartilage and/or invades tissues beyond the larynx e.g. trachea, soft tissues of neck including deep/extrinsic muscle of tongue (genioglossus, hyoglossus, palatoglossus and styloglossus), strap muscles, thyroid, or oesophagus - T4b Very advanced local disease: tumour invades prevertebral space, encases | | pCR0910 - TCategory (Pathological) = pT | pCR0910 - TCategory (Pathological) = pT |
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| | carotid artery, or mediastinal structures. | | | |
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| Primary tumour: Glottis | <p>Single selection value list:</p> <ul style="list-style-type: none"> - T1 Tumour limited to the vocal cord(s) (may involve anterior or posterior commissure) with normal mobility - T1a Tumour limited to one vocal cord - T1b Tumour involves both vocal cords - T2 Tumour extends to supraglottis and/or subglottis and/or with impaired vocal cord mobility - T3 Tumour limited to the larynx with vocal cord fixation and/or invades paraglottic space, and/or inner cortex of the thyroid cartilage - T4a Tumour invades through the outer cortex of the thyroid cartilage and/or invades tissues beyond the larynx e.g. trachea, soft tissues of neck including deep/extrinsic muscle of the tongue (genioglossus, hyoglossus, palatoglossus and styloglossus), strap muscles, thyroid, oesophagus - T4b Tumour invades prevertebral space, encases carotid artery, or mediastinal structures. | | <p>pCR0910 - TCategory (Pathological) = pT</p> | <p>pCR0910 - TCategory (Pathological) = pT</p> |
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| Primary tumour: Subglottis | <p>Single selection value list:</p> <ul style="list-style-type: none"> - T1 Tumour limited to subglottis - T2 Tumour extends to vocal cord(s) with normal or impaired mobility - T3 Tumour limited to larynx with vocal cord fixation - T4a Tumour invades cricoid or thyroid cartilage and/or invades tissues beyond the larynx e.g. trachea, soft tissues of neck including deep/extrinsic muscles of tongue (genioglossus, hyoglossus, palatoglossus and styloglossus), strap muscles, thyroid, oesophagus - T4b Tumour invades prevertebral space, encases carotid artery, or mediastinal structures. | | pCR0910 - TCategory (Pathological) = pT | pCR0910 - TCategory (Pathological) = pT |
| TNM edition number used (Core) | Free text | 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 |
| SNOMED topography code | T... | May have multiple codes. Look up from SNOMED tables. | pCR6410 - Topography (SNOMED) Pathology = T | pCR6410 - Topography (SNOMED) Pathology = T |
| SNOMED morphology code | M... | May have multiple codes. Look up from SNOMED tables. | pCR6420 - Morphology (SNOMED) Pathology = M | pCR6420 - Morphology (SNOMED) Pathology = M |
| Further comments | Free text | | pCR1020 - Pathology Report Text | pCR1020 - Pathology Report Text |

