

## Appendix G: Reporting proforma for oesophageal carcinoma resections in list format

| RCPATH Data set item<br>element name | Values | Implementation comments         | COSD Pathology v4.0.2<br>(2020)   | COSD Pathology v5.1.1<br>(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  |
| Gender                               |        |                                 | 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 |
| Specimen                             | Single selection value list: | COSD does not allow for recording if the specimen is pinned or not, to record this please use pCR1020 - Pathology Report Text | pCR0760 – Pathology Investigation Type (All values)   | pCR0760 – Pathology Investigation Type (All values)   |
|                                      | Pinned                       |   | EX- Excision  | EX- Excision  |
|                                      | Not pinned                   |   | EX- Excision  | EX- Excision  |
|                                      |                              |   |   |   |
|                                      |                              |   | pCR0970 – Specimen Nature (All values)  | pCR0970 – Specimen Nature (All values)  |
|                                      |                              |   | 1 (Primary tumour)  | 1 (Primary tumour)  |
| Oesophagus length                    | Size in mm                   |   | pCR1020 - Pathology Report Text   | pCR1020 - Pathology Report Text   |
| Stomach length, Lesser curve         | Size in mm                   |   | pCR1020 - Pathology Report Text   | pCR1020 - Pathology Report Text   |
| Stomach length, Greater curve        | Size in mm                   |   | pCR1020 - Pathology Report Text   | pCR1020 - Pathology Report Text   |
| Tumour location                      | 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 |
|                                      | Oesophageal only             |   |   |   |
|                                      | Junctional                   |   |   |   |
| Tumour epicentre, distance above GOJ | Size in mm                   |   | pCR1020 - Pathology Report Text   | pCR1020 - Pathology Report Text   |
| Tumour epicentre, distance below GOJ | Size in mm                   |   | pCR1020 - Pathology Report Text   | pCR1020 - Pathology Report Text   |
| Length of tumour                     | Size in mm                   |   | pCR1020 - Pathology Report Text   | pCR1020 - Pathology Report Text   |
| Width of tumour                      | Size in mm                   |   | pCR1020 - Pathology Report Text   | pCR1020 - Pathology Report Text   |

|  |                              |   |   |   |
|--|------------------------------|---|---|---|
| Tumour edge to nearest distal margin   | Size in mm                   |   | pCR1020 - Pathology Report Text   | pCR1020 - Pathology Report Text   |
| Tumour edge to nearest proximal margin | Size in mm                   |   | pCR1020 - Pathology Report Text   | pCR1020 - Pathology Report Text   |
| Shape of tumour                        | 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 |
|  | Polypoid                     |   |   |   |
|  | Non-polypoid                 |   |   |   |
| Siewert tumour type                    | 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 |
|  | 1                            |   |   |   |
|  | 2                            |   |   |   |
| Type of tumour                         | 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 |
|  | Squamous carcinoma           |   |   |   |
|  | Adenocarcinoma               |   |   |   |
|  | Other                        |   |   |   |
| Type of tumour, Other, specify         | Free text                    | Only applicable if 'Type of tumour, Other' is selected. | pCR1020 - Pathology Report Text   | pCR1020 - Pathology Report Text   |
| Differentiation by predominant area    | Single selection value list: |   | pCR0860 - Grade of Differentiation (Pathological)   | pCR0860 - Grade of Differentiation (Pathological)   |
|  | Well                         |   | G1 - Well differentiated  | G1 - Well differentiated  |
|  | Moderate                     |   | G2 - Moderately differentiated  | G2 - Moderately differentiated  |
|  | Poor                         |   | G3 - Poorly differentiated  | G3 - Poorly differentiated  |
|  | Not applicable               |   | GX- Grade of differentiation is not appropriate or cannot be assessed                                 | GX- Grade of differentiation is not appropriate or cannot be assessed                                 |
|  |                              |   |   |   |
| Depth of invasion                      | 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 |
|  | No tumour identified         |   |   |   |
|  | High-grade dysplasia         |   |   |   |
|  | Invasion of lamina propria   |   |   |   |
|  | Invasion of submucosa        |   |   |   |

|                                      |  |   |   |   |
|--------------------------------------|--|---|---|---|
|                                      | Invasion of muscularis propria           |   |   |   |
|                                      | Invasion beyond muscularis propria       |   |   |   |
|                                      | Invades pleura, pericardium or diaphragm |   |   |   |
|                                      | Invades aorta, vertebrae or trachea      |   |   |   |
| Serosal involvement                  | 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                                       |   |   |   |
| History of neoadjuvant therapy       | Single selection value list:             |   | pCR1000 - Neoadjuvant Therapy Indicator   | pCR1000 - Neoadjuvant Therapy Indicator   |
|                                      | Yes                                      |   | Y- Yes  | Y- Yes  |
|                                      | No                                       |   | N- No   | N - No  |
|                                      | Unknown                                  |   | 9 - Unknown   | 9 - Unknown   |
| Tumour regression grade              | Free text                                | Only applicable if 'History of neoadjuvant therapy, Yes' 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 |
| Tumour regression grade, System used | Free text                                | Only applicable if 'History of neoadjuvant therapy, Yes' 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 |
| Proximal margin                      | Single selection value list:             | Barrett's and Dysplasia were not part of COSD Pathology v4.0.2.       | pUG14480 - Excision Margin (Proximal, Distal)   | pUG14510 - Excision Margin (Proximal)   |
|                                      | Normal                                   |   | 0 - Margin not involved   | 1 - Normal/Not involved   |
|                                      | Barrett's                                |   |   | 3 - Barrett's   |
|                                      | Dysplasia                                |   |   | 2 - Dysplasia   |
|                                      | Carcinoma                                |   | 1 - Margin involved   | 4 - Carcinoma/Involved  |
| Distal margin                        | Single selection value list:             | Dysplasia was not part of COSD Pathology v4.0.2.                      | pUG14480 - Excision Margin (Proximal, Distal)   | pUG14510 - Excision Margin (Proximal)   |

|   |  |   |  |   |
|---|--|---|--|---|
|   | Normal   |   | 0 - Margin not involved  | 1 - Normal/Not involved   |
|   | Dysplasia  |   |  | 2 - Dysplasia   |
|   | Carcinoma  |   | 1 - Margin involved  | 3 - Carcinoma/Involved  |
| Circumferential margin                                  | Single selection value list:                         |   | pUG14490 - Excision Margin (Circumferential)   | pCR1150 - Excision Margin (Circumferential)   |
|   | Involved: carcinoma equal or less than 1 mm from CRM |   | 1 - Margin involved  | 1 - Margin involve  |
|   | Not involved: carcinoma more than 1 mm from CRM      |   | 0 - Margin not involved  | 0 - Margin not involved   |
|   | Not applicable                                       |   | 9 - Not known  | 8 - Not applicable  |
| Distance of carcinoma to nearest circumferential margin | Size in mm   | Only applicable if 'Not involved' is selected for 'Circumferential margin'. | 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 |
| Lymphovascular space invasion                           | Single selection value list:                         |   | pCR0870 - Cancer Vascular or Lymphatic Invasion  | pCR0870 - Cancer Vascular or Lymphatic Invasion   |
|   | 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   |
| Perineural invasion                                     | Single selection value list:                         |   | Not in the COSD Pathology v4.0.2 data set, although could be recorded within pCR1020 - Pathology Report Text | pCR1100 - Perineural Invasion   |
|   | Present  |   |  | 1 - Present   |
|   | Not identified                                       |   |  | 2 - Not Identified  |
| Lymph nodes, Total examined                             | Integer  |   | pCR0890 - Number of Nodes Examined   | pCR0890 - Number of Nodes Examined  |
| Lymph nodes, Positive                                   | Integer  |   | pCR0900 - Number of Nodes Positive   | pCR0900 - Number of Nodes Positive  |
| Presence of pMl disease                                 | Single selection value list:                         |   | It might be appropriate to use pCR0930 - MCategory (Pathological) if not then                                | It might be appropriate to use pCR0930 - MCategory (Pathological) if not then                         |
|   | Yes  |   |  |   |
|   | No   |   |  |   |

|                         |   |  | record within pCR1020 -<br>Pathology Report Text                            | record within pCR1020 -<br>Pathology Report Text                            |
|-------------------------|---|--|---|---|
| TNM edition number used | UICC8, UICC9  | Within COSD, version number and edition are separate but should be reported together | pCR6820 - TNM Version Number (Pathological)<br>pCR6980 - TNM Coding Edition | pCR6820 - TNM Version Number (Pathological)<br>pCR6980 - TNM Coding Edition |
| pT category             | Single selection value list:                              |  | pCR0910 - T Category (Pathological) = pT                                    | pCR0910 - T Category (Pathological) = pT                                    |
|                         | pTX; pT0; pTis; pT1a; pT1b; pT2; pT3; pT4a; pT4b          |  |   |   |
|                         | ypTX; ypT0; ypTis; ypT1a; ypT1b; ypT2; ypT3; ypT4a; ypT4b |  |   |   |
| pN category             | Single selection value list:                              |  | pCR0920 - N Category (Pathological) = pN                                    | pCR0920 - N Category (Pathological) = pN                                    |
|                         | pNX; pN0; pN1; pN2; pN3                                   |  |   |   |
|                         | ypNX; ypN0; ypN1; ypN2; ypN3                              |  |   |   |
| pM category             | Single selection value list:                              | If it is essential to record 'Not applicable' use pCR1020 - Pathology Report Text    | pCR0930 - N Category (Pathological) = pM                                    | pCR0930 - N Category (Pathological) = pM                                    |
|                         | Not applicable; pM1;                                      |  |   |   |
|                         | Not applicable; ypM1;                                     |  |   |   |
| 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                                 |
| Comments                | Free text   |  | pCR1020 - Pathology Report Text   | pCR1020 - Pathology Report Text   |