| **Extract from oncological basic dataset1 Federal Gazette 12/07/2021 Field name** | **Characteristics** | **Selection** | **Remark** |
| --- | --- | --- | --- |
| **Center** | | | |
| Certification | 1 = centre case/primary case  2 = centre case/no primary case  3 = no centre case |  | Click or tap to enter text. |
| **Please briefly justify your choice of variables:**  Click or tap to enter text. | | | |
| **Person** | | | |
| Age at diagnosis in years or date of birth in months**2** | year or mm.yyyy |  | Click or tap to enter text. |
| Sex | M = male  W = female  D = other  U = unknown |  | Click or tap to enter text. |
| **Please briefly justify your choice of variables:**  Click or tap to enter text. | | | |
| **Diagnosis** | | | |
| Primary tumor diagnosis ICD-10 code |  |  | Click or tap to enter text. |
| Primary tumor diagnosis ICD-10-version |  |  | Click or tap to enter text. |
| Topography of primary tumor ICD-O code | Current ICD-O key (format: 5-digit: C##.##) and/or precise ‘localisation text’ |  | Click or tap to enter text. |
| Topography of primary tumor ICD-O-version |  |  | Click or tap to enter text. |
| Primary tumor diagnosis date2 | dd.mm.yyyy |  | Click or tap to enter text. |
| Primary tumor  Diagnosis confirmation | 1 = clinical  2 = clinical diagnostics  4 = specific tumor markers  5 = Cytology  7.1 = Histology of the primary tumor  7.2 = Histology of a metastasis  7.3 = Histology of the autopsy  8 = cytogenetic and/or molecular test  9 = unknown |  | Click or tap to enter text. |
| Primary tumor laterality | L = left  R = right  B = both sides (should result in 2 messages for paired tumors)  M = midline/centre  U = unknown  T = not applicable (side indication not meaningful, including systemic diseases) |  | Click or tap to enter text. |
| Previous tumor diseases | Free text or ICD-10 with diagnosis and year of diagnosis yyyy |  | Click or tap to enter text. |
| **Please briefly justify your choice of variables:**  Click or tap to enter text. | | | |
| **Histology** | | | |
| Tumor Histology date | dd.mm.yyyy |  | Click or tap to enter text. |
| Morphology of tumor -code | Alphanumeric according to ICD-O-3 morphology or WHO Classification of Tumors (Blue Books) (current version) |  | Click or tap to enter text. |
| Morphology ICD-O-Version/ Blue Book version |  |  | Click or tap to enter text. |
| Grading  Grade of differentiation | 0 = primary acquired melanosis without cellular atypia (only in malignant melanoma of the conjunctiva)  1 = well differentiated  2 = moderately differentiated  3 = poorly differentiated  4 = undifferentiated  5 = only for C61, TNM8  X = cannot be determined  L = low grade (G1 or G2)  M = intermediate grade (G2 or G3)  H = high grade (G3 or G4)  B = borderline  U = unknown  T = not applcable |  | Click or tap to enter text. |
| Number of lymph nodes examined | Numerical |  | Click or tap to enter text. |
| Number of lymph nodes affected | Numerical |  | Click or tap to enter text. |
| Number of sentinel lymph nodes examined | Numerical |  | Click or tap to enter text. |
| Number of sentinel lymph nodes affected | Numerical |  | Click or tap to enter text. |
| **Please briefly justify your choice of variables:**  Click or tap to enter text. | | | |
| **TNM-Classification** | | | |
| TNM Date | dd.mm.yyyy |  | Click or tap to enter text. |
| TNM version | Number of the book edition e.g. 8 for 8th edition |  | Click or tap to enter text. |
| TNM y prefix | Y = clinical classification was performed during or after initial multimodality therapy  (empty) = clinical classification was performed before initial multimodality therapy (or initial multimodality therapy has not taken place) |  | Click or tap to enter text. |
| TNM r prefix | R = clinical classification was performed at retreatment  (empty) = clinical classification was performed before disease recurrence |  | Click or tap to enter text. |
| TNM a prefix | a = classification was performed at autopsy  (empty) = Classification was was performed clinically or pathologically |  | Click or tap to enter text. |
| TNM c/p T prefix | c or (blank) = T-stage was determined clinically or does not fulfil the criteria for p.p = T stage was determined by histopathology, which could also have determined the highest grade of the respective category |  | Click or tap to enter text. |
| TNM c/p N prefix | see TNM c/p T Prefix |  | Click or tap to enter text. |
| TNM c/p M prefix | see TNM c/p T Prefix |  | Click or tap to enter text. |
| TNM T |  |  | Click or tap to enter text. |
| TNM m suffix | (m) = multiple tumors without specifying the number  (number) = number of multiple tumors  (blank) = no multiple tumors |  | Click or tap to enter text. |
| TNM N |  |  | Click or tap to enter text. |
| TNM M | M0 = no distant metastasis  M1 = distant metastasis |  | Click or tap to enter text. |
| TNM L | LX = invasion of lymphatic vesselscannot be assessed  L0 = no invasion of lymphatic vessel  L1 = invasion of lymphatic vessel |  | Click or tap to enter text. |
| TNM V | VX = venous invasion cannot be assessed  V0 = no venous invasion  V1 = microscopic venous invasion  V2 = macroscopic venous invasion |  | Click or tap to enter text. |
| TNM Pn | PnX = perineural invasion cannot be assessed  Pn0 = no perineural invasion  Pn1 = perineural invasion |  | Click or tap to enter text. |
| TNM S | According to the current TNM: only for testicular tumors |  | Click or tap to enter text. |
| UICC-Stage | Stage according to current TNM classification |  | Click or tap to enter text. |
| **Please briefly justify your choice of variables.** *In line with data minimization principles, please explain which TNM or which disease period is to be considered, e.g. clinical TNM at diagnosis, pathological TNM at diagnosis, neoadjuvant TNM, TNM at recurrence.*  Click or tap to enter text. | | | |
| **Other Classification system** | | | |
| Haematooncological and other classificationsystem: date | dd.mm.yyyy |  | Click or tap to enter text. |
| Haematooncological and other classification system: name | Name of the haematological or other classification. Type of classification e.g. Ann-Arbor |  | Click or tap to enter text. |
| Haematooncological and other classification system:  category | Classification according to the haematological or other classifications used |  | Click or tap to enter text. |
| **Please give a brief explanation of your choice of variables**. *In line with data minimization principles, please indicate the desired classification.*  Click or tap to enter text. | | | |
| **Residual status** | | | |
| Assessment of the local residual status after surgery | R0 = no residual tumor  R1 = microscopic residual tumor  R2 = macroscopic residual tumor  R1 (is) = in situ residual tumor  R1 (cy+) = microscopic residual tumor based on cytologic examinationtumor  RX = presence of residual tumor cannot be assessed tumorU = residual tumor statusunknown |  | Click or tap to enter text. |
| Overall assessment of the residual status | R0 = no residual tumor  R1 = microscopic residual tumor  R2 = macroscopic residual tumor  R1 (is) = in situ residual tumor  R1 (cy+) microscopic residual tumor based on cytologic examinationcytologicaltumor  RX = presence of residual tumor cannot be assessed |  | Click or tap to enter text. |
| **Please briefly justify your choice of variables:**  Click or tap to enter text. | | | |
| **Distant metastases** | | | |
| Site of metastases | PUL = lung; OSS = bone; HEP = liver; BRA = brain; LYM = lymph nodes; MAR = bone marrow; PLE = pleura; PER = peritoneum; ADR = adrenal glands; SKI = skin; OTH = other; GEN = generalised metastasis |  | Click or tap to enter text. |
| Date of diagnostic confirmation of distant metastases | dd.mm.yyyy |  | Click or tap to enter text. |
| **Please briefly justify your choice of variables:**  Click or tap to enter text. | | | |
| **Performance Status** | | | |
| Performance status | ECOG or Karnofsky scores |  | Click or tap to enter text. |
| **Please give a brief explanation of your choice of variables.** *In line with data minimization principles, please state the time (diagnosis, course) of the required performance state.*  Click or tap to enter text. | | | |
| **Surgery** | | | |
| Surgery intent | K = curative  P = palliative  D = diagnostic  R = revision/complication  S = other  X = missing |  | Click or tap to enter text. |
| Time between diagnosis and surgery in days or surgery date2 | days oder dd.mm.yyyy |  | Click or tap to enter text. |
| OPS code | OPS (5-\*) In exceptional cases, other codes outside the 5s are also permitted |  | Click or tap to enter text. |
| OPS version | Valid version designations according to BfArM |  | Click or tap to enter text. |
| OP complication | N = no  U = unknown  Complications according to the ICD-10-GM |  | Click or tap to enter text. |
| **Please briefly justify your choice of variables:**  Click or tap to enter text. | | | |
| **Radiotherapy** | | | |
| Intention of radiotherapy | K = curative  P = palliative  O = locally curative with oligometastatic disease  S = other  X = missing |  | Click or tap to enter text. |
| Radiotherapy relationship with surgery | O = unrelated  A = adjuvant  N = neoadjuvant  I = intraoperative  Z = additive  S = other |  | Click or tap to enter text. |
| Radiotherapy target region | Target area key from the areas of CNS, head and neck, thorax, abdomen, pelvis (organs), bones/skeletal system, connective tissue (subcutaneous and adipose tissue, muscles, other connective tissue), skin, lymph drainage regions and lymph nodes, special target areas |  | Click or tap to enter text. |
| Radiotherapy side | L = left  R = right  B = both sides  M = centre  U = unknown  T = not applicable |  | Click or tap to enter text. |
| Time interval between diagnosis and start of radiotherapy or  Date radiotherapy started2 | days/ dd.mm.yyyy |  | Click or tap to enter text. |
| Duration of radiotherapy or date of end of radiotherapy2 | days/ dd.mm.yyyy |  | Click or tap to enter text. |
| Radiotherapy type | P = percutaneous (teletherapy)  P-ST = percutaneous stereotactic  P-4D = percutaneous, breath triggered  P-ST4D = percutaneous, stereotactic, breath triggered  PRCN-ST = percutaneous, stereotactic without chemotherapy/sensitizer  PRCN-4D = percutaneous, breath triggered, without chemotherapy/sensitizer  PRCN-ST4D = percutaneous, stereotactic, breath triggered, without chemotherapy/sensitizer  PRCJ = percutaneous with chemotherapy/sensitizer  PRCJ-4D = percutaneous, breath triggered, with chemotherapy/sensitizer  K = endocavitary contact therapy  KHDR = endocavitary contact therapy, high dose rate therapy  KLDR = endocavitary contact therapy, low dose rate therapy  KPDR = endocavitary contact therapy, pulsed dose rate therapy  I = intersitielle contact therapy rate therapy  IHDR = intersitielle contact therapy, high dose  IPDR = intersitielle contact therapy, pulsed dose rate therapy  MSIRT = selective internal radio therapy  MPRRT = peptide radio receptor therapy  MPSMA = PSMA therapy  MRJT = radioiodine therapy  MRIT = radioimmunotherapy  M = other metabolic radionuclide therapy  S = other |  | Click or tap to enter text. |
| Type of radiation | Photons (ultra-hard X-rays, including gamma-ray emitters)  Electrons  Neutrons  Protons (light hydrogen ions/H1/light ions)  Heavy ions (heavy carbon ions/C12/oxygen ions/helium ions)  Soft X-rays (kV)  Other (including mixed beams, excluding nuclides)  Other nuclides |  | Click or tap to enter text. |
| Radiotherapy total dose | Numerical |  | Click or tap to enter text. |
| Radiotherapy Single daily dose | Numerical |  | Click or tap to enter text. |
| Radiotherapy unit | Gy  GBq  MBq  kBq |  | Click or tap to enter text. |
| Boost | Y = yes, with boost or n.a.  SIB = simultaneously integrated boost  SEQ = sequentially integrated boost  KON = concurrently integrated boost  N = no, without boost |  | Click or tap to enter text. |
| Radiotherapy end reason | E = regular end  F = target dose reached with interruption of > 3 calendar days  A = discontinued due to side effects  P = discontinued due to progress  S = discontinued for other reasons  V = patient refused further therapy  T = patient deceased  U = unknown |  | Click or tap to enter text. |
| Radiotherapy side effects according to CTCAE grading | K = none  1 = mild  2 = moderate  3 = severe  4 = life-threatening  5 = fatal  U = unknown |  | Click or tap to enter text. |
| Radiotherapy side effects according to CTCAE type | Adverse drug reaction according to CTCAE or MedDRA code, grade 3 or higher |  | Click or tap to enter text. |
| Radiotherapy side effects according to CTCAE version | Valid version designations for the medical catalogue |  | Click or tap to enter text. |
| **Please briefly justify your choice of variables:**  Click or tap to enter text. | | | |
| **Systemic therapy** | | | |
| Intention of systemic therapy | K = curative  P = palliative  S = other  X = missing |  | Click or tap to enter text. |
| Systemic therapy relation with surgery | O = no relationship to surgery  A = adjuvant  N = neoadjuvant  I = intraoperative  S = other |  | Click or tap to enter text. |
| Type of systemic or watchful waiting therapy | CH = chemotherapy  HO = hormone therapy  IM = immune/antibody therapy  ZS = targeted therapy  CI = CH + IM  CZ = CH + ZS  CIZ = CHo + IM + ZS  IZ = IM + ZS  SZ = stem cell transplant (including bone marrow transplant)  AS = active surveillance  WS = wait and see  WW = watchful waiting  SO = other |  | Click or tap to enter text. |
| Systemic therapy protocol | The protocol name is given in the usual abbreviation |  | Click or tap to enter text. |
| Time interval between diagnosis and systemic therapy or start date of systemic therapy2 | days/ dd.mm.yyyy |  | Click or tap to enter text. |
| Systemic therapy substance | Active pharmaceutical ingredient (free text) |  | Click or tap to enter text. |
| Systemic therapy  reason for end | E = regular end  R = regular end with dose reduction  W = regular end with change of substance  A = discontinued due to side effects  P = discontinued due to progress  S = discontinued for other reasons  V = patient refuses further therapy  T = patient deceased  U = unknown |  | Click or tap to enter text. |
| Duration of systemic therapy or date systemic therapy ended2 | days/ dd.mm.yyyy |  | Click or tap to enter text. |
| Systemic therapy side effects according to CTCAE grading | K = none  1 = mild  2 = moderate  3 = severe  4 = life-threatening  5 = fatal  U = unknown |  | Click or tap to enter text. |
| Systemic therapy side effects according to CTCAE | Adverse drug reaction according to CTCAE or MedDRA code, grade 3 or higher |  | Click or tap to enter text. |
| Systemic therapy side effects according to CTCAE version | version number |  | Click or tap to enter text. |
| **Please briefly justify your choice of variables:**  Click or tap to enter text. | | | |
| **Disease response** | | | |
| Date of examination: response | dd.mm.yyyy |  | Click or tap to enter text. |
| Overall tumordisease response | V = complete remission (CR)  T = partial remission (PR)  K = no change (NC) = stable disease  P = progressive disease  D = divergent disease  B = minimal response, MR  R = full remission with residual abnormalities (CRr)  Y = recurrent disease  U = disease status cannot be assessed  X = missing information |  | Click or tap to enter text. |
| Local tumor tumorresponse | K = no detectable tumor  T = residual diseasetumortumorP = residual diseasetumortumorprogression  N =tumortumor) residual disease, no change  R = local residual disease  F = indeterminate finding  U = unknown  X = missing information |  | Click or tap to enter text. |
| Regional Tumorof lymph nodes status | K = no detectable lymph node involvement  R = new occurrence of lymph node recurrence  T = known lymph node involvement, residual disease  P = known lymph node involvement, disease progression  N = known lymph node involvement, no change  F = indeterminate finding  U = unknown  X = missing information |  | Click or tap to enter text. |
| Tumormetastasis status | K = no detectable distant metastasis  R = new distant metastasis or metastatic recurrence  T = distant metastasis residual disease  P = distant metastasis, disease progression  N = distant metastasis, no change  F = indeterminate finding  U = unknown  X = missing information |  | Click or tap to enter text. |
| **Please briefly justify your choice of variables:**  Click or tap to enter text. | | | |
| **Tumor board, therapy planning** | | | |
| Tumor board, therapy planning | dd.mm.yyyy |  | Click or tap to enter text. |
| Tumor board, therapy planning type | preth = pretherapeutic tumor board (determination of therapy strategy)  postop = posttherapeutic tumor board (planning of postoperative therapy, e.g. regarding the question of  adjuvant therapy)  postth = posttherapeutic tumor board (some tumors are not operated on)  ther = therapy planning without tumor board |  | Click or tap to enter text. |
| **Please briefly justify your choice of variables:**  Click or tap to enter text. | | | |
| **Therapy recommendation** | | | |
| Tumor board therapy recommendation type | CH = chemotherapy  HO = hormone therapy  IM = immune/antibody therapy  ZS = targeted theapy  SZ = stem cell transplantion (including bone marrow transplantion)  CI = chemo + immune/antibody therapy  CZ = chemotherapy + targeted substances  CIZ = chemo + immune/antibody therapy + targeted substances  IZ = immune/antibody therapy + targeted therapy  WW = watchful waiting  AS = active surveillance  WS = wait and see  OP = surgery  ST = radiotherapy  SO = other  KW = no further tumor-specific treatment recommended |  | Click or tap to enter text. |
| Tumor board/therapy recommendation, deviation from therapy at the request of the patient | J = yes  N = no  U = unknown |  | Click or tap to enter text. |
| **Please briefly justify your choice of variables:**  Click or tap to enter text. | | | |
| **Death** | | | |
| Deceased | 1 = yes  2 = no |  | Click or tap to enter text. |
| Date of death or last known alive date | dd.mm.yyyy |  | Click or tap to enter text. |
| Age at death or date of death2 | years/ mm.yyyy |  | Click or tap to enter text. |
| Tumor-related death | J = yes  N = no  U = unknown |  | Click or tap to enter text. |
| Underlying cause of death | ICD-10 GM |  | Click or tap to enter text. |
| Cause of death ICD-10 version | Valid version designations according to BfArM for the medical catalogue |  | Click or tap to enter text. |
| **Please briefly justify your choice of variables:**  Click or tap to enter text. | | | |
| **Information on genetic markers in tumor material** | | | |
|  | Please state the genetic markers in tumor material you wish to apply for. |  | Click or tap to enter text. |
| **Please briefly justify your choice of variables:**  Click or tap to enter text. | | | |
| **Participation in study** | | | |
| Study participation | J = yes  N = no  U = unknown |  | Click or tap to enter text. |
| Study participation date | dd.mm.yyyy |  | Click or tap to enter text. |
| **Please briefly justify your choice of variables:**  Click or tap to enter text. | | | |
| **Additional contacts** | | | |
| Contact type | S = social services  PS = psycho-oncological counselling |  | Click or tap to enter text. |
| Contact status | J = yes  N = no, no contact |  | Click or tap to enter text. |
| Contact date | dd.mm.yyyy |  | Click or tap to enter text. |
| **Please briefly justify your choice of variables:**  Click or tap to enter text. | | | |
| **Further variables** | | | |
| Further variables (e.g. place of residence/district at the time of diagnosis) |  |  | Click or tap to enter text. |

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| **Organ-Specific Module *Prostate Cancer* Federal Gazette 09.08.2017 Field description** | **Characteristics** | **Selection** | **Remark** |
| Gleason-Score | N+M = Sum  N, M between 1 and 5  If only the sum is known, document it:  e.g. x+y= 8 |  | Click or tap to enter text. |
| Gleason score sampling method | O = OP  S = punch biopsy  U = unknown |  | Click or tap to enter text. |
| Date of punch biopsy | dd.mm.yyyy |  | Click or tap to enter text. |
| Number of core biopsies | number |  | Click or tap to enter text. |
| Number of positive punch biopsies | number, including zero |  | Click or tap to enter text. |
| Cancer detection rate in punch biopsy | number in %  U = unknown |  | Click or tap to enter text. |
| PSA level | Floating point number in ng/ml |  | Click or tap to enter text. |
| PSA level date | dd.mm.yyyy |  | Click or tap to enter text. |
| Post-operative complication | J = yes  N = none or at most grade II  U = unknown |  | Click or tap to enter text. |
| **Please briefly justify your choice of variables:**  Click or tap to enter text. | | | |

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| **Organ-Specific Module *Breast Cancer* Federal Gazette 28.10.2015 Field description** | **Characteristics** | **Selection** | **Remark** |
| Pretreatment menopausal status | 1 = premenopausal  3 = postmenopausal  U = unknown |  | Click or tap to enter text. |
| Hormone receptor status: estrogen | P = positive (IRS >= 1)  N = negative  U = unknown |  | Click or tap to enter text. |
| Hormone receptor status: progesterone | P = positive (IRS >= 1)  N = negative  U = unknown |  | Click or tap to enter text. |
| Her2 status | P = positive, i.e.IHC +++ or  IHC ++ and ISH (FISH, CISH or similar) positive)  N = negative  U = unknown |  | Click or tap to enter text. |
| Preoperative wire marking  controlled by imaging | M = mammography  S = sonography  T = MRT  N = no wire marking by imaging  U = unknown |  | Click or tap to enter text. |
| Intraoperative X-ray / sonography | M = mammography  S = sonography  N = no  U = unknown |  | Click or tap to enter text. |
| Tumor size invasive carcinoma | 0 = no invasive carcinoma  (n) = size of invasive carcinoma in mm (natural number)  U = not assessable |  | Click or tap to enter text. |
| Tumor size DCIS | 0 = no DCIS, or no invasive component present  (n) = size of DCIS in mm (natural number)  U = cannot be assessed |  | Click or tap to enter text. |
| Date of contact with social services | dd.mm.yyyy = date of contact  N = no – no contact  U = unknown |  | Click or tap to enter text. |
| Date of study recruitment | dd.mm.yyyy = inclusion date  N = no participation  U = unknown |  | Click or tap to enter text. |
| **Please briefly justify your choice of variables:**  Click or tap to enter text. | | | | |

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| **Organ-Specific Module *Colorectal cancer* Federal Gazette 28.10.2015 Field description** | **Characteristics** | **Selection** | **Remark** |
| Rectum: distance of the lower edge of the tumor to the anocutaneous line | (n) = distance to anocutaneous line in cm  U = unknown |  | Click or tap to enter text. |
| Rectum: minimum distance to the resected edge | (n) = distance in mm  U = unknown |  | Click or tap to enter text. |
| Rectum: distance to the circumferential resection plane | (n) = distance in mm  U = unknown |  | Click or tap to enter text. |
| Rectum: quality of the TME specimen | 1 = grade 1 (good)  2 = grade 2 (moderate)  3 = grade 3 (poor)  P = PME performed  L = local excision performed  A = other surgery performed  U = unknown |  | Click or tap to enter text. |
| Rectum: MRI or thin-layer CT performed with indication distance mesorectal fascia | (n) = distance to mesorectal fascia in mm (natural number)  D = performed, but distance not specified  N = no (MRI/CT not performed)  U = unknown |  | Click or tap to enter text. |
| Type of procedure | E = elective procedure  N = emergency procedure  U = unknown |  | Click or tap to enter text. |
| Rectum: preoperative marking of the stoma position | D = marking done  N = marking not done  K = no stoma  S = stoma applied, marking not known  U = unknown |  | Click or tap to enter text. |
| rectal cancer anastomosis insufficiency | B = grade B anastomotic leakage  C = grade C anastomotic leakage  K = no leakage or at most grade A leakage  U = unknown |  | Click or tap to enter text. |
| ASA-Classification | 1 = normal, otherwise healthy patient  2 = patient with mild general illness  3 = patient with severe general illness and limited capacity  4 = patient with general illness that is inactivating, constant threat to life  5 = moribund patient |  | Click or tap to enter text. |
| K-ras oncogene mutation | W = wild type  M = mutation  U = unknown  N = not examined |  | Click or tap to enter text. |
| Date of contact with social services | dd.mm.yyyy = date of contact  N = no – no contact  U = unknown |  | Click or tap to enter text. |
| Study participation | J = yes  N = no  U = unknown |  | Click or tap to enter text. |
| **Please briefly justify your choice of variables:**  Click or tap to enter text. | | | |

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| **Organ-Specific Module *Malignant Melanoma* Federal Gazette 25 May 2020 Field description** | **Characteristics** | **Selection** | **Remark** |
| Safety margin primary tumor | -1 = cannot be assessed  0 = no distance  n = distance in mm (natural number) |  | Click or tap to enter text. |
| Tumor thickness | tumor thickness in mm |  | Click or tap to enter text. |
| LDH | number |  | Click or tap to enter text. |
| Ulceration | J = yes  N = no  U = unknown |  | Click or tap to enter text. |
| **Please briefly justify your choice of variables:**  Click or tap to enter text. | | | |

**Note: Please save the completed list of the variables as a PDF and send it in PDF format. Thank you!**