

Data Item	Variable Name	Description of field content	Format
<b>Demographics</b>			
Master ID	master_index	Pseudonymised person ID	Text
Date of birth	dob_fmt	Date of Birth: MMYYYY	Date
Gender	sex	Sex 0 = Not Known; 1 = Male; 2 = Female; 9 = (includes not stated by patient, or not recorded)	Number
Ethnicity	ethnic_group	Latest (from 1.4.2012 onwards) is Ethnic Group 4: 1A = White-Scottish 1B = White- Other British 1C = Irish 1K = Gypsy/Traveller IL = Polish 1Z = Any other white ethnic background 2A = Any mixed or multiple ethnic groups 3F = Pakistani, Pakistani Scottish or Pakistani British 3G = Indian, Indian Scottish or Indian British 3H = Bangladeshi, Bangladeshi Scottish or Bangladeshi British 3J = Chinese, Chinese Scottish or Chinese British 3Z = Other Asian, Asian Scottish or Asian British 4D = African, African Scottish or African British 4Y = Other African 5C = Caribbean, Caribbean Scottish or Caribbean British 5D = Black, Black Scottish or Black British 5B = Arab 5Y = Other Caribbean or Black 6A = Arab, Arab Scottish or Arab British 6Z = Other Ethnic Group 98 = Refused/not provided by the patient 99 = Not known	Text
Date of death	dod_fmt	Date of Death: DDMMYYYY	Date
Vital status	died	1 Alive 2 Dead 3 Moved out of Scotland 6 Presumed deceased 9 Not Known	Number
Age of death	age_died	Age at death	Number
Death certificate	death_certificate	The case has FIRST come to light ONLY as a result of a death. 0 = No, 1 = Yes	Number
Death certificate only	death_certificate_only	The case has been registered from the death certificate only, since no other evidence of the tumour can be found. 0 = No, 1 = Yes	Number

Cause of death	cause_i	Cause of death i where i = 1,...,8. ICD10 Codes.	Text
Emigration date	embarkation_date	The date of emigration from Scotland: DDMMYYYY	Date
<b>Diagnosis</b>			
Incidence date	incidence_date_fmt	Date of incidence: DDMMYYYY	Date
Most valid base of diagnosis	mvb_diag	Most valid base of diagnosis: indicates the method judged to have provided or validated the diagnosis during the course of the illness. 1 = "Clinical only" 2 = "Clinical investigation (including x-ray, ultrasound, etc.)" 3 = "Exploratory surgery/endoscopy/autopsy (without concurrent or previous histology)" 4 = "Specific biochemical and/or immunological tests" 5 = "Cytology (including blood film or bone marrow aspirate)" 6 = "Histology of metastasis" 7 = "Histology of primary" 8 = "Autopsy with concurrent or previous histology" 9 = "Not known" 10 = "Death certificate"	Number
Detection method	method_1st_detection	Indicates how the tumour was first detected. 1 = "Screening examination" 2 = "Incidental finding" 3 = "Clinical presentation" 4 = "Incidental finding at autopsy" 5 = "Interval Cancer" 8 = "Other" 9 = "Not known"	Number
ICD10 Code	icd10s_cancer_site	The anatomical site of origin of the primary tumour, format ICD10	Text
ICD02 Code	icdo2_icdo2	The anatomical site of origin of the primary tumour, format ICD02	Text
ICD03 Code	type_icdo3	The histology of the tumour and comprises the first four digits of the ICD03 morphology	Text
Grade classification system	grade_classification	The classification system used for grading the tumour. 1 = "Grading for Breast Cancer" 2 = "ICD0/UICC grading system" 3 = "Gleason Score (prostate)" 5 = "Fuhrman Nuclear Grade" 6 = "WHO grade for brain and CNS tumours" 8 = "Other" 9 = "Not determined/not stated/not applicable"	Number
Differentiation	grade_cell_type	Indicates the degree of differentiation of malignant tumours. 0 - 10, G1, G2, GX.	Text
Side	side	This indicates the side or laterality in the case of paired organs. 0 = "Not applicable" 1 = "Right" 2 = "Left" 3 = "Bilateral" 9 = "Not known"	Number
Microscopic confirmation	hist_ver	Microscopic confirmation of the histological or cytological diagnosis. 1 = Verified, 2 = Not Verified.	Number
Microinvasive	microinvasive	Degree of invasion which is not associated with any risk of nodal metastasis and is sufficiently small to treat by local or conservative means. 0 = No, 1 = Yes, 9 = Not known	Number
Clinical T Stage	stage_clinical_t	Indicates the extent of the spread of the tumour at diagnosis in terms of clinical findings. Stage is associated with invasive tumours only. T-size/extent of primary tumour based on clinical examination +- imaging	Text
Clinical N Stage	stage_clinical_n	Condition of regional lymph nodes/glands based on clinical examination +- imaging.	Text
Clinical M Stage	stage_clinical_m	Indicates distant metastases	Text

Pathologic T Stage	stage_pathologic_t	Indicates the extent of the spread of the tumour at diagnosis in terms of the pathological findings. Stage is associated with invasive tumours only. T-size/extent of primary tumour based on clinical examination +- imaging. Breast and lung	Text
Pathologic N Stage	stage_pathologic_n	Condition of regional lymph nodes/glands based on clinical examination +- imaging	Text
Pathologic M Stage	stage_pathologic_m	Indicates distant metastases	Text
Dukes Stage (full)	stage_colorectal	Indicates the extent of spread of the invasive tumour at diagnosis in terms of the pathological and/or clinical findings for Socrates. Extent of primary tumour for Colorectal Cancer Dukes staging is primarily based on histological findings. Stages: A,B,C,C1,C2,D, Unknown.	Text
Oestrogen receptor status	progesterone_receptor_status	0 Negative 1 Positive 9 Not Known	Number
Progesterone receptor status of the tumour	Her2	0 Negative 1 Positive 9 Not Known	Number
Human Epidermal Growth Factor Receptor 2 (HER2) status of the tumour	Her2_status	0 Negative 1 Positive 9 Not Known	Number
FIGO stage	stage_figo_after_surgery and stage_figo_before_surgery	See <a href="#">full SMRO6 dictionary</a> for details.	Number
Gleason primary pattern	gleason_major	1 Major 1 2 Major 2 3 Major 3 4 Major 4 5 Major 5 9 Not Known	Number
Gleason secondary pattern	grade_cell_type_tertiary	1 Minor 1 2 Minor 2 3 Minor 3 4 Minor 4 5 Minor 5 9 Not Known	Number
Gleason tertiary pattern	GRADE_CELL_TYPE_TERTIARY	1 Tertiary 1 2 Tertiary 2	Number

		3 Tertiary 3 4 Tertiary 4 5 Tertiary 5 9 Not Known	
Laterality	Side	0 Not applicable (non paired organs) 1 Right 2 Left 3 Bilateral 9 Not Known	Number
<b>Treatment</b>			
Nodes examined	nodes_examined	Pathological nodal status -Indicates what regional lymph nodes were examined. 0 = "No regional lymph nodes removed or aspirated" 1 = "Aspiration or biopsy of regional lymph node" 2 = "Sentinel lymph node biopsy" 3 = "Regional lymph node dissection" 4 = "Not known"	Number
Number of nodes examined	no_of_nodes_examined	Indicates how many of the regional lymph nodes were examined.	Number
Positive nodes	positive_nodes	Indicates if any of the regional lymph nodes were positive. 1 = Yes, 0 = No, 9 = Not known	Number
Number of positive nodes	no_positive_nodes	Pathological nodal status -Indicates how many of the regional lymph nodes were positive.0 onwards, Not Known.	Text
Diagnosis institution	hosp_gp_diag	Institution code in which the diagnosis was first made.	Text
Referred to radiotherapy	ref_to_rad	Referred to radiotherapy department 1 = Yes, 0 = No, 7 = Planned, 9 = Not known	Number
Radiotherapy	treated_with_rad	Treated with radiotherapy. 1 = Yes, 0 = No, 7 = Planned, 9 = Not known	Number
Type of radiotherapy	type_radio_type	Type of radiotherapy administered from 01.01.2006 (variable added to the file during June 2018) 1 =Brachytherapy, 2= External beam/Teletherapy, 3 =Proton beam therapy, 4 =Radioisotope therapy, 9 =Not Known	Number
Radiotherapy to primary site	rad_to_primary	Radiotherapy to primary site. 1 = Yes, 0 = No, 9 = Not known	Number
Radiotherapy to metastases	rad_to_mets	Radiotherapy to Metastases. 1 = Yes, 0 = No, 9 = Not known	Number
Other radiotherapy	rad_other	Radiotherapy treatment Other such as organ ablation or prophylaxis. 1 = Yes, 0 = No, 9 = Not known	Number
Date of first radiotherapy	dor_fmt	Date of first radiotherapy treatment: YYYY/MM/DD	Date
Institution radiotherapy	hosp_1st_rad	Institution code/practice code of hospital/GP practice of first radiotherapy (if applicable)	Text

Chemotherapy	chemo	Indicates if the patient has had systemic chemotherapy treatment. 1 = Yes, 0 = No, 7 = Planned, 9 = Not known	Number
Date of first chemo	doc_fmt	Date of first chemo treatment: YYYY/MM/DD	Date
Institution chemotherapy	hosp_gp_1st_chemo	Institution code/practice code of hospital/GP practice of first chemotherapy (if applicable)	Text
Hormone therapy	horm_therapy	Indicates if the patient has had hormone therapy treatment. 1 = Yes, 0 = No, 7 = Planned, 9 = Not known	Number
Date of first hormone therapy	doh_fmt	Date of first hormone treatment: YYYY/MM/DD	Date
Institution hormone therapy	hosp_gp_1st_hormone_therapy	Institution code/practice code of hospital/GP practice that initiated the first hormone therapy (if applicable)	Text
Surgery	surgery	Indicates if the patient has been treated with surgery. 1 = Yes, 0 = No, 7 = Planned, 9 = Not known	Number
Date of first surgery	dos_fmt	Date of first surgical treatment: YYYY/MM/DD	Date
Institution surgery	hosp_gp_1st_surgery	Institution code/practice code of hospital/GP practice where a surgical treatment was first carried out (if applicable)	Text
Palliative surgery	palliative_surgery	Treated with palliative surgery (variable added to the file during June 2018). 1 = Yes, 0 = No, 7 = Planned, 9 = Not known	Number
Date of first palliative surgery	dops_fmt	Date of first palliative surgical treatment: YYYY/MM/DD	Date
Institution palliative surgery	hosp_gp_1st_pal_surgery	Institution code/practice code of hospital/GP practice where first palliative surgery was carried out(if applicable)	Text
Immunotherapy	type_immun_type	Indicates if immunotherapy/biotherapy was administered. From 01.01.1997 (variable added to the file during June 2018) 1 = Yes, 0 = No, 7 = Planned, 9 = Not known	Number
Date of first immunotherapy	doit_fmt	Date of first immunotherapy type treatment: YYYY/MM/DD	Date
Institution immunotherapy	hosp_gp_1st_immun_type	Institution code/practice code of hospital/GP practice that initiated the first immunotherapy (if applicable)	Text
Other therapy	other_therapy	Patient treated with other therapy. 1 = Yes, 0 = No, 7 = Planned, 9 = Not known	Number
Date of first other therapy	doot_fmt	Date of first other therapy treatment: YYYY/MM/DD	Date
Institution other therapy	hosp_gp_1st_other_therapy	Institution code/practice code of hospital/GP practice that initiated the first other therapy (if applicable)	
Other therapy	type_other_therapy	Indicates the type of other therapy treatment carried out.	Text
Objectives of treatment	therapy_objectives	Objective of treatment. 1 = "Curative intent" 2 = "Non-curative intent (palliative)" 9 = "Not Known"	Number

