

Cancer

PROGRAMS

AMERICAN COLLEGE OF SURGEONS



Quick Start Guide to PUF Data Structure
2024 National Cancer Database Participant User File
(NCDB PUF)

The data included in the zipped file provided in the PUF download, are provided in a flat text file format, and should be read with software such as SAS, SPSS (PASW), STATA, or any other statistical software of your choosing. Also included in the zipped files is a script that will allow you to read the data in SAS (NCDB_PUF_SAS_Labels_2024.sas). You must have SAS software installed on your computer to be able to use this file. This script includes 1) input statements that will read the provided flat text input file and assign variable names 2) variable labels and 3) format statements. If you are using other software, such as STATA, you can use the file layout below to read in the PUF data.

The table appearing on the following pages provides a list of each of the item made available in PUF. In addition, “standard” or “analytic” variable names are provided, the diagnosis years for which individual items are available, and finally the item length and column location of each item is specified. The item and variable names in this table are the same as those documented in the online 2024 PUF Data Dictionary. The data dictionary includes the item names, descriptions and value definitions of the variables included in your PUF file. Please refer to this data dictionary before beginning your analysis to ensure your familiarity with the provided data. Note that the items included, and diagnosis year availability are only applicable to the 2024 PUF, which includes cases diagnosed in 2004-2024.

Please note per the Data Use Agreement that any abstracts or publications using these data should include the following acknowledgement in all presentations/publications:

“The data used in the study are derived from a de-identified NCDB file. The American College of Surgeons and the Commission on Cancer have not verified and are not responsible for the analytic or statistical methodology employed, or the conclusions drawn from these data by the investigator.”

The abstracts and publications also need to indicate:

“The NCDB is a joint project of the Commission on Cancer of the American College of Surgeons and the American Cancer Society.”

If you have any questions regarding these files, e-mail your questions to NCDB_PUF@facs.org.

NCDB 2024 PUF Item List		Adult Only/All*	PUF Item Name	Diagnosis Years Available**	File Layout			
					Characters	Start	End	
Case Key	Case Key	All	PUF_CASE_ID	All	37	1	37	
Facility	Facility Key	All	PUF_FACILITY_ID	All	10	38	47	
	Facility Type	Adult*	FACILITY_TYPE_CD	All	1	48	48	
	Facility Location	Adult*	FACILITY_LOCATION_CD	All	1	49	49	
	Patient Age at Diagnosis	All	AGE	All	3	50	52	
Patient Demographics	Sex	All	SEX	All	1	53	53	
	Race	All	RACE	All	2	54	55	
	Spanish Hispanic Origin	All	SPANISH_HISPANIC_ORIGIN	All	1	56	56	
	Primary Payor at Diagnosis	All	INSURANCE_STATUS	All	2	57	58	
	Income 2000	All	MED_INC_QUAR_00	All	1	59	59	
	Education 2000	All	NO_HSD_QUAR_00	All	1	60	60	
	Urban/Rural 2003	All	UR_CD_03	All	1	61	61	
	Income 2008-2012	All	MED_INC_QUAR_12	All	1	62	62	
	Education 2008-2012	All	NO_HSD_QUAR_12	All	1	63	63	
	Urban/Rural 2013	All	UR_CD_13	All	1	64	64	
	Great Circle Distance	All	CROWFLY	All	8	65	72	
	Charlson-Deyo Score	All	CDCC_TOTAL_BEST	All	2	73	74	
	Cancer Identification	Sequence Number	All	SEQUENCE_NUMBER	All	2	75	76
		Class of Case	All	CLASS_OF_CASE	All	2	77	78
Year of Diagnosis		All	YEAR_OF_DIAGNOSIS	All	4	79	82	
Primary Site		All	PRIMARY_SITE	All	4	83	86	
Laterality		All	LATERALITY	All	1	87	87	
Histology		All	HISTOLOGY	All	4	88	91	
Behavior		All	BEHAVIOR	All	1	92	92	
Grade		All	GRADE	2004-2017	1	93	93	
Diagnostic Confirmation		All	DIAGNOSTIC_CONFIRMATION	All	1	94	94	
Size of Tumor		All	TUMOR_SIZE	2004-2015	3	95	97	
Regional Lymph Nodes Positive		All	REGIONAL_NODES_POSITIVE	All	2	98	99	
Regional Lymph Nodes Examined		All	REGIONAL_NODES_EXAMINED	All	2	100	101	
Stage of Disease		Diagnostic and Staging Procedure, Days from Dx	All	DX_STAGING_PROC_DAYS	All	8	102	109
	Diagnostic and Staging Procedure	All	RX_SUMM_DXSTG_PROC	All	2	110	111	
	AJCC Clinical T	All	TNM_CLIN_T	2004-2017	5	112	116	
	AJCC Clinical N	All	TNM_CLIN_N	2004-2017	5	117	121	
	AJCC Clinical M	All	TNM_CLIN_M	2004-2017	5	122	126	
	AJCC Clinical Stage Group	All	TNM_CLIN_STAGE_GROUP	2004-2017	4	127	130	
	AJCC Pathologic T	All	TNM_PATH_T	2004-2017	5	131	135	
	AJCC Pathologic N	All	TNM_PATH_N	2004-2017	5	136	140	
	AJCC Pathologic M	All	TNM_PATH_M	2004-2017	5	141	145	
	AJCC Pathologic Stage Group	All	TNM_PATH_STAGE_GROUP	2004-2017	4	146	149	
	TNM Edition Number	All	TNM_EDITION_NUMBER	All	2	150	151	
	NCDB Analytic Stage Group	All	ANALYTIC_STAGE_GROUP	All	1	152	152	

NCDB 2024 PUF Item List		Adult Only/All*	PUF Item Name	Diagnosis Years Available**	File Layout		
					Characters	Start	End
	CS Mets at DX	All	CS_METS_AT_DX	2004-2015	2	153	154
	CS Mets Eval	All	CS_METS_EVAL	2004-2015	1	155	155
	CS Extension	All	CS_EXTENSION	2004-2015	3	156	158
	CS Tumor Size/Ext Eval	All	CS_TUMOR_SIZEEXT_EVAL	2004-2015	1	159	159
	CS Mets at Dx-Bone	All	CS_METS_DX_BONE	2010-2015	1	160	160
	CS Mets at Dx-Brain	All	CS_METS_DX_BRAIN	2010-2015	1	161	161
	CS Mets at Dx-Liver	All	CS_METS_DX_LIVER	2010-2015	1	162	162
	CS Mets at Dx-Lung	All	CS_METS_DX_LUNG	2010-2015	1	163	163
	Lymph Vascular Invasion	All	LYMPH_VASCULAR_INVASION	2010+	1	164	164
	CS Site Specific Factor 1	All	CS_SITESPECIFIC_FACTOR_1	***	3	165	167
	CS Site Specific Factor 2	All	CS_SITESPECIFIC_FACTOR_2	***	3	168	170
	CS Site Specific Factor 3	All	CS_SITESPECIFIC_FACTOR_3	***	3	171	173
	CS Site Specific Factor 4	All	CS_SITESPECIFIC_FACTOR_4	***	3	174	176
	CS Site Specific Factor 5	All	CS_SITESPECIFIC_FACTOR_5	***	3	177	179
	CS Site Specific Factor 6	All	CS_SITESPECIFIC_FACTOR_6	***	3	180	182
	CS Site Specific Factor 7	All	CS_SITESPECIFIC_FACTOR_7	***	3	183	185
	CS Site Specific Factor 8	All	CS_SITESPECIFIC_FACTOR_8	***	3	186	188
	CS Site Specific Factor 9	All	CS_SITESPECIFIC_FACTOR_9	***	3	189	191
	CS Site Specific Factor 10	All	CS_SITESPECIFIC_FACTOR_10	***	3	192	194
	CS Site Specific Factor 11	All	CS_SITESPECIFIC_FACTOR_11	***	3	195	197
	CS Site Specific Factor 12	All	CS_SITESPECIFIC_FACTOR_12	***	3	198	200
	CS Site Specific Factor 13	All	CS_SITESPECIFIC_FACTOR_13	***	3	201	203
	CS Site Specific Factor 14	All	CS_SITESPECIFIC_FACTOR_14	***	3	204	206
	CS Site Specific Factor 15	All	CS_SITESPECIFIC_FACTOR_15	***	3	207	209
	CS Site Specific Factor 16	All	CS_SITESPECIFIC_FACTOR_16	***	3	210	212
	CS Site Specific Factor 17	All	CS_SITESPECIFIC_FACTOR_17	***	3	213	215
	CS Site Specific Factor 18	All	CS_SITESPECIFIC_FACTOR_18	***	3	216	218
	CS Site Specific Factor 19	All	CS_SITESPECIFIC_FACTOR_19	***	3	219	221
	CS Site Specific Factor 20	All	CS_SITESPECIFIC_FACTOR_20	***	3	222	224
	CS Site Specific Factor 21	All	CS_SITESPECIFIC_FACTOR_21	***	3	225	227
	CS Site Specific Factor 22	All	CS_SITESPECIFIC_FACTOR_22	***	3	228	230
	CS Site Specific Factor 23	All	CS_SITESPECIFIC_FACTOR_23	***	3	231	233
	CS Site Specific Factor 24	All	CS_SITESPECIFIC_FACTOR_24	***	3	234	236
	CS Site Specific Factor 25	All	CS_SITESPECIFIC_FACTOR_25	***	3	237	239
	CS Version Number	All	CS_VERSION_LATEST	2010-2015	6	240	245
Treatment	Treatment Started, Days from Dx	All	DX_RX_STARTED_DAYS	All	8	246	253
	First Surgical Procedure, Days from Dx	All	DX_SURG_STARTED_DAYS	All	8	254	261
	Definitive Surgical Procedure, Days from Dx	All	DX_DEFSURG_STARTED_DAYS	All	8	262	269
	Surgical Procedure of the Primary Site	All	RX_SUMM_SURG_PRIM_SITE	All	2	270	271
	Surgical Approach	All	RX_HOSP_SURG_APPR_2010	2010+	1	272	272
	Surgical Margins	All	RX_SUMM_SURGICAL_MARGINS	All	1	273	273

NCDB 2024 PUF Item List		Adult Only/All*	PUF Item Name	Diagnosis Years Available**	File Layout		
					Characters	Start	End
	Scope of Regional LN Surgery	All	RX_SUMM_SCOPE_REG_LN_SUR	All	1	274	274
	Surgery Other Site	All	RX_SUMM_SURG_OTH_REGDIS	All	1	275	275
	Surgical Inpatient Stay, Days from Surgery	All	SURG_DISCHARGE_DAYS	All	8	276	283
	Readmission Within 30 Days of Surgical Discharge	All	READM_HOSP_30_DAYS	All	1	284	284
	Reason for No Surgery	All	REASON_FOR_NO_SURGERY	All	1	285	285
	Radiation, Days from Dx	All	DX_RAD_STARTED_DAYS	All	8	286	293
	Location of Radiation Therapy	All	RAD_LOCATION_OF_RX	All	1	294	294
	Radiation Surgery Sequence	All	RX_SUMM_SURGRAD_SEQ	All	1	295	295
	Radiation Ended, Days from Start of Radiation	All	RAD_ELAPSED_RX_DAYS	All	3	296	298
	Reason for No Radiation	All	REASON_FOR_NO_RADIATION	All	1	299	299
	Systemic, Days from Dx	All	DX_SYSTEMIC_STARTED_DAYS	All	8	300	307
	Chemotherapy, Days from Dx	All	DX_CHEMO_STARTED_DAYS	All	8	308	315
	Chemotherapy	All	RX_SUMM_CHEMO	All	2	316	317
	Hormone Therapy, Days from Dx	All	DX_HORMONE_STARTED_DAYS	All	8	318	325
	Hormone Therapy	All	RX_SUMM_HORMONE	All	2	326	327
	Immunotherapy, Days from Dx	All	DX_IMMUNO_STARTED_DAYS	All	8	328	335
	Immunotherapy	All	RX_SUMM_IMMUNOTHERAPY	All	2	336	337
	Hematologic Transplant and Endocrine Procedures	All	RX_SUMM_TRNSPLNT_ENDO	All	2	338	339
	Systemic Surgery Sequence	All	RX_SUMM_SYSTEMIC_SUR_SEQ	2006+	1	340	340
	Other Treatment, Days from Dx	All	DX_OTHER_STARTED_DAYS	All	8	341	348
	Other Treatment	All	RX_SUMM_OTHER	All	1	349	349
	Palliative Care	All	PALLIATIVE_CARE	All	1	350	350
	RX Summ--Treatment Status	All	RX_SUMM_TREATMENT_STATUS	2010+	1	351	351
Outcomes and Additional Treatment, Case, and Facility Items	Thirty Day Mortality	All	PUF_30_DAY_MORT_CD	2004-2023	1	352	352
	Ninety Day Mortality	All	PUF_90_DAY_MORT_CD	2004-2023	1	353	353
	Last Contact or Death, Months from Dx	All	DX_LASTCONTACT_DEATH_MONTHS	2004-2023	8	354	361
	PUF Vital Status	All	PUF_VITAL_STATUS	2004-2023	1	362	362
	Surgery at This Facility	All	RX_HOSP_SURG_PRIM_SITE	All	2	363	364
	Chemotherapy at This Facility	All	RX_HOSP_CHEMO	All	2	365	366
	Immunotherapy at This Facility	All	RX_HOSP_IMMUNOTHERAPY	All	2	367	368
	Hormone Therapy at This Facility	All	RX_HOSP_HORMONE	All	2	369	370
	Other Treatment at This Facility	All	RX_HOSP_OTHER	All	2	371	372
	PUF Multiple Source	All	PUF_MULT_SOURCE	All	1	373	373
	Reference Date Flag	All	PUF_REFERENCE_DATE_FLAG	All	1	374	374
	Scope of Regional LN Surgery, Dx Years 2012+	All	RX_SUMM_SCOPE_REG_LN_2012	2012+	1	375	375
	Diagnostic and Staging Procedure at This Facility	All	RX_HOSP_DXSTG_PROC	All	2	376	377
	Palliative Care at This Facility	All	PALLIATIVE_CARE_HOSP	All	1	378	378
	Tumor Size Summary 2016	All	TUMOR_SIZE_SUMMARY_2016	2016+	3	379	381
	Mets at Diagnosis Other	All	METS_AT_DX_OTHER	2016+	1	382	382
	Mets at Diagnosis Distant Lymph Nodes	All	METS_AT_DX_DISTANT_LN	2016+	1	383	383
	Mets at Diagnosis Bone	All	METS_AT_DX_BONE	2016+	1	384	384

NCDB 2024 PUF Item List		Adult Only/All*	PUF Item Name	Diagnosis Years Available**	File Layout		
					Characters	Start	End
	Mets at Diagnosis Brain	All	METS_AT_DX_BRAIN	2016+	1	385	385
	Mets at Diagnosis Liver	All	METS_AT_DX_LIVER	2016+	1	386	386
	Mets at Diagnosis Lung	All	METS_AT_DX_LUNG	2016+	1	387	387
	No High School Degree Quartiles 2016	All	NO_HSD_QUAR_2016	All	1	388	388
	Median Income Quartiles 2016	All	MED_INC_QUAR_2016	All	1	389	389
	PUF Medicaid Expansion Code	Adult*	PUF_MEDICAID_EXPN_CODE	All	1	390	390
	Phase I Radiation Primary Treatment Volume	All	PHASE_I_RT_VOLUME	All	2	391	392
	Phase I Radiation to Draining Lymph Nodes	All	PHASE_I_RT_TO_LN	All	2	393	394
	Phase I Dose Per Fraction	All	PHASE_I_DOSE_FRACT	All	5	395	399
	Phase I Number of Fractions	All	PHASE_I_NUM_FRACT	All	3	400	402
	Phase I External Beam Planning Technique	All	PHASE_I_BEAM_TECH	All	2	403	404
	Phase I Total Dose	All	PHASE_I_TOTAL_DOSE	All	6	405	410
	Phase I Radiation Treatment Modality	All	PHASE_I_RT_MODALITY	All	2	411	412
	Phase II Radiation Primary Treatment Volume	All	PHASE_II_RT_VOLUME	All	2	413	414
	Phase II Radiation to Draining Lymph Nodes	All	PHASE_II_RT_TO_LN	All	2	415	416
	Phase II Dose per Fraction	All	PHASE_II_DOSE_FRACT	All	5	417	421
	Phase II Number of Fractions	All	PHASE_II_NUM_FRACT	All	3	422	424
	Phase II External Beam Planning Technique	All	PHASE_II_BEAM_TECH	All	2	425	426
	Phase II Total Dose	All	PHASE_II_TOTAL_DOSE	All	6	427	432
	Phase II Radiation Treatment Modality	All	PHASE_II_RT_MODALITY	All	2	433	434
	Phase III Radiation Primary Treatment Volume	All	PHASE_III_RT_VOLUME	2018+	2	435	436
	Phase III Radiation to Draining Lymph Nodes	All	PHASE_III_RT_TO_LN	2018+	2	437	438
	Phase III Dose Per Fraction	All	PHASE_III_DOSE_FRACT	2018+	5	439	443
	Phase III Number of Fractions	All	PHASE_III_NUM_FRACT	2018+	3	444	446
	Phase III External Beam Planning Technique	All	PHASE_III_BEAM_TECH	2018+	2	447	448
	Phase III Total Dose	All	PHASE_III_TOTAL_DOSE	2018+	6	449	454
	Phase III Radiation Treatment Modality	All	PHASE_III_RT_MODALITY	2018+	2	455	456
	Number of Phases of RT Treatment	All	NUMBER_PHASES_RAD_RX	2018+	2	457	458
	Radiation Discontinued Early	All	RAD_RX_DISC_EARLY	2018+	2	459	460
	Total Dose	All	TOTAL_DOSE	2018+	6	461	466
Variables collected in 2018+	Adenoid Cystic Basaloid Pattern SSDI Item 3803	All	ADENOID_CYSTIC_BSLD	2018+	5	467	471
	Adenopathy SSDI Item 3804	All	ADENOPATHY	2018+	1	472	472
	AFP Post-Orchiectomy Range SSDI Item 3806	All	AFP_POST_ORCH_RANGE	2018+	1	473	473
	AFP Post-Orchiectomy Lab Value SSDI Item 3805	All	AFP_POST_ORCH_VALUE	2018+	7	474	480
	AFP Pretreatment Interpretation SSDI Item 3809	All	AFP_PRE_INTERP	2018+	1	481	481
	AFP Pre-Orchiectomy Range SSDI Item 3808	All	AFP_PRE_ORCH_RANGE	2018+	1	482	482
	AFP Pre-Orchiectomy Lab Value SSDI Item 3807	All	AFP_PRE_ORCH_VALUE	2018+	7	483	489
	AFP Pretreatment Lab Value SSDI Item 3810	All	AFP_PRE_VALUE	2018+	6	490	495
	AJCC ID SSDI Item 995	All	AJCC_ID	2018+	4	496	499
	AJCC 8th Edition Clinical M	All	AJCC_TNM_CLIN_M	2018+	15	500	514
	AJCC 8th Edition Clinical N	All	AJCC_TNM_CLIN_N	2018+	15	515	529

NCDB 2024 PUF Item List	Adult Only/All*	PUF Item Name	Diagnosis Years Available**	File Layout		
				Characters	Start	End
AJCC 8th Edition Clinical N Suffix	All	AJCC_TNM_CLIN_N_SFX	2018+	4	530	533
AJCC 8th Edition Clinical Stage Group	All	AJCC_TNM_CLIN_STG_GRP	2018+	15	534	548
AJCC 8th Edition Clinical T	All	AJCC_TNM_CLIN_T	2018+	15	549	563
AJCC 8th Clinical T Suffix	All	AJCC_TNM_CLIN_T_SFX	2018+	4	564	567
AJCC 8th Edition Pathologic M	All	AJCC_TNM_PATH_M	2018+	15	568	582
AJCC 8th Edition Pathologic N	All	AJCC_TNM_PATH_N	2018+	15	583	597
AJCC 8th Edition Pathologic N Suffix	All	AJCC_TNM_PATH_N_SFX	2018+	4	598	601
AJCC 8th Edition Pathologic Stage Group	All	AJCC_TNM_PATH_STG_GRP	2018+	15	602	616
AJCC 8th Edition Pathologic T	All	AJCC_TNM_PATH_T	2018+	15	617	631
AJCC 8th Edition Pathologic T Suffix	All	AJCC_TNM_PATH_T_SFX	2018+	4	632	635
AJCC 8th Edition Post Pathologic M	All	AJCC_TNM_POST_PATH_M	2018+	15	636	650
AJCC 8th Edition Post Pathologic N	All	AJCC_TNM_POST_PATH_N	2018+	15	651	665
AJCC 8th Edition Post Pathologic N Suffix	All	AJCC_TNM_POST_PATH_N_SFX	2018+	4	666	669
AJCC 8th Edition Post Pathologic Stage Group	All	AJCC_TNM_POST_PATH_STG_GRP	2018+	15	670	684
AJCC 8th Edition Post Pathologic T	All	AJCC_TNM_POST_PATH_T	2018+	15	685	699
AJCC 8th Edition Post Pathologic T Suffix	All	AJCC_TNM_POST_PATH_T_SFX	2018+	4	700	703
Serum Albumin Pretreatment Level SSDI Item 3930	All	ALBUMIN_PRE_TX_LVL	2018+	1	704	704
Anemia SSDI Item 3811	All	ANEMIA	2018+	1	705	705
B Symptoms SSDI Item 3812	All	B_SYMPTOMS	2018+	1	706	706
Measured Basal Diameter SSDI Item 3887	All	BASAL_DIAMETER	2018+	4	707	710
Serum Beta-2 Microglobulin Pre Rx Level SSDI Item 3931	All	BETA2MG_PRE_TX_LVL	2018+	1	711	711
Invasion Beyond Capsule SSDI Item 3864	All	BEYOND_CAPSULE	2018+	1	712	712
Bilirubin Pretreatment Unit of Measure SSDI Item 3814	All	BILIRUBIN_PRE_UNIT	2018+	1	713	713
Bilirubin Pretreatment Total Lab Value SSDI Item 3813	All	BILIRUBIN_PRE_VALUE	2018+	5	714	718
Bone Invasion SSDI Item 3815	All	BONE_INVASION	2018+	1	719	719
Brain Molecular Markers SSDI Item 3816	All	BRAIN_MOL_MARKERS	2018+	2	720	721
Breslow Tumor Thickness SSDI Item 3817	All	BRESLOW_THICKNESS	2018+	4	722	725
CA-125 Pre Rx Interpretation SSDI Item 3818	All	CA125_PRE_INTERP	2018+	1	726	726
CEA Pre Rx Interpretation SSDI Item 3819	All	CEA_PRE_INTERP	2018+	1	727	727
CEA Pre Rx Lab Value SSDI Item 3820	All	CEA_PRE_VALUE	2018+	6	728	733
Chromosome 19q: Loss of Heterozygosity (LOH) SSDI Item 3802	All	CHROMOSOME_19QLOH	2018+	1	734	734
Chromosome 1p: Loss of Heterozygosity (LOH) SSDI Item 3801	All	CHROMOSOME_1PLOH	2018+	1	735	735
Chromosome 3 Status SSDI Item 3821	All	CHROMOSOME_3_STATUS	2018+	1	736	736
Chromosome 8q Status SSDI Item 3822	All	CHROMOSOME_8Q_STAT	2018+	1	737	737
Creatinine Pre Rx Unit of Measure SSDI Item 3825	All	CREATININE_PRE_UNIT	2018+	1	738	738
Creatinine Pre Rx Lab Value SSDI Item 3824	All	CREATININE_PRE_VALU	2018+	4	739	742
Circumferential Resection Margin SSDI Item 3823	All	CRM	2018+	4	743	746
Extranodal Extension Head and Neck Clinical SSDI Item 3831	All	ENE_CLIN_HN	2018+	1	747	747

NCDB 2024 PUF Item List	Adult Only/All*	PUF Item Name	Diagnosis Years Available**	File Layout		
				Characters	Start	End
Extranodal Extension Clin (non-Head and Neck)SSDI Item 3830	All	ENE_CLIN_NOT_HN	2018+	1	748	748
Extranodal Extension Head and Neck Pathological SSDI Item 3832	All	ENE_PATH_HN	2018+	3	749	751
Extranodal Extension Path (non-Head and Neck) SSDI Item 3833	All	ENE_PATH_NOT_HN	2018+	1	752	752
Estrogen Receptor Percent Positive or RangeSSDI Item 3826	All	ER_PERCENT_POS_OR_RNG	2018+	3	753	755
Estrogen Receptor Summary SSDI Item 3827	All	ER_SUMMARY	2018+	1	756	756
Estrogen Receptor Total Allred Score SSDI Item 3828	All	ER_TOTAL_ALLRED	2018+	2	757	758
Esophagus and EGJ Tumor Epicenter SSDI Item 3829	All	ESOPH_EPICENTER	2018+	1	759	759
Extravascular Matrix Patterns SSDI Item 3834	All	EXTRAVASC_MATRIX	2018+	1	760	760
Fibrosis Score SSDI Item 3835	All	FIBROSIS_SCORE	2018+	1	761	761
FIGO Stage SSDI Item 3836	All	FIGO_STAGE	2018+	2	762	763
Gestational Trophoblastic Prognostic Scoring Index SSDI Item 3837	All	GEST_PROGNOST_INDEX	2018+	2	764	765
Gleason Patterns Clinical SSDI Item 3838	All	GLEASON_PAT_CLIN	2018+	2	766	767
Gleason Patterns Pathological SSDI Item 3839	All	GLEASON_PAT_PATH	2018+	2	768	769
Gleason Score Clinical SSDI Item 3840	All	GLEASON_SCORE_CLIN	2018+	2	770	771
Gleason Score Pathological SSDI Item 3841	All	GLEASON_SCORE_PATH	2018+	2	772	773
Gleason Tertiary Pattern SSDI Item 3842	All	GLEASON_SCORE_TERTIARY_PT	2018+	2	774	775
Grade Clinical SSDI Item 3843	All	GRADE_CLIN	2018+	1	776	776
Grade Pathological SSDI Item 3844	All	GRADE_PATH	2018+	1	777	777
Grade Pathological Post Therapy SSDI Item 3845	All	GRADE_PATH_POST	2018+	1	778	778
hCG Post-Orchiectomy Range SSDI Item 3847	All	HCG_POST_ORCH_RANGE	2018+	1	779	779
hCG Post-Orchiectomy Lab Value SSDI Item 3846	All	HCG_POST_ORCH_VALUE	2018+	7	780	786
hCG Pre-Orchiectomy Range SSDI Item 3849	All	HCG_PRE_ORCH_RANGE	2018+	1	787	787
hCG Pre-Orchiectomy Lab Value SSDI Item 3848	All	HCG_PRE_ORCH_VALUE	2018+	7	788	794
HER2 IHC Summary SSDI Item 3850	All	HER2_IHC_SUMMARY	2018+	1	795	795
HER2 ISH Dual Probe Copy Number SSDI Item 3851	All	HER2_ISH_DUAL_NUM	2018+	4	796	799
HER2 ISH Dual Probe Ratio SSDI Item 3852	All	HER2_ISH_DUAL_RATIO	2018+	4	800	803
HER2 ISH Single Probe Copy Number SSDI Item 3853	All	HER2_ISH_SINGLE_NUM	2018+	4	804	807
HER2 ISH Summary SSDI Item 3854	All	HER2_ISH_SUMMARY	2018+	1	808	808
HER2 Overall Summary SSDI Item 3855	All	HER2_OVERALL_SUMM	2018+	1	809	809
Heritable Trait SSDI Item 3856	All	HERITABLE_TRAIT	2018+	1	810	810
High Risk Cytogenetics SSDI Item 3857	All	HIGH_RISK_CYTOGENET	2018+	1	811	811
High Risk Histologic Features SSDI Item 3858	All	HIGH_RISK_HIST_FEAT	2018+	1	812	812
HIV Status SSDI Item 3859	All	HIV_STATUS	2018+	1	813	813
Profound Immune Suppression SSDI Item 3918	All	IMMUNE_SUPP	2018+	1	814	814
International Normalized Ratio Prothrombin Time SSDI Item 3860	All	INR_PRO_TIME	2018+	3	815	817
Ipsilateral Adrenal Gland Involvement SSDI Item 3861	All	IPSI_ADRENAL_INVOL	2018+	1	818	818

NCDB 2024 PUF Item List	Adult Only/All*	PUF Item Name	Diagnosis Years Available**	File Layout		
				Characters	Start	End
JAK2 SSDI Item 3862	All	JAK2	2018+	1	819	819
Ki-67 SSDI Item 3863	All	KI67	2018+	5	820	824
KIT Gene Immunohistochemistry SSDI Item 3865	All	KIT_GENE_IHC	2018+	1	825	825
KRAS Item 3866	All	KRAS	2018+	1	826	826
LDH Post-Orchiectomy Range SSDI Item 3867	All	LDH_POST_ORCH_RANGE	2018+	1	827	827
LDH Pre-Orchiectomy Range SSDI Item 3868	All	LDH_PRE_ORCH_RANGE	2018+	1	828	828
LDH Pretreatment Level SSDI Item 3869'	All	LDH_PRE_TX_LEVEL	2018+	1	829	829
LDH Pretreatment Lab Value SSDI Item 3932	All	LDH_PRE_TX_VALUE	2018+	7	830	836
LDH Upper Limits of Normal SSDI Item 3870	All	LDH_UPPER_NORMAL	2018+	3	837	839
LN Distant: Mediastinal, Scalene SSDI Item 3875	All	LN_DIST_MEDIAS_SCALN	2018+	1	840	840
LN Distant Assessment Method SSDI Item 3874	All	LN_DISTANT_METHOD	2018+	1	841	841
LN Status Femoral-Inguinal, Para-Aortic, PelvicSSDI Item 3884	All	LN_FEM_ING_PARA_APELV	2018+	1	842	842
LN Isolated Tumor Cells (ITC) SSDI Item 3880	All	LN_ITC	2018+	1	843	843
LN Laterality SSDI Item 3881	All	LN_LATERALITY	2018+	1	844	844
LN Assessment Method Femoral-Inguinal SSDI Item 3871	All	LN_METHOD_FEMING	2018+	1	845	845
LN Assessment Method Para-Aortic SSDI Item 3872	All	LN_METHOD_PARA_AORT	2018+	1	846	846
LN Assessment Method Pelvic SSDI Item 3873	All	LN_METHOD_PELVIC	2018+	1	847	847
LN Positive Axillary Level I-II SSDI Item 3882	All	LN_POS_AX_LEVELS_I_II	2018+	2	848	849
LN Size SSDI Item 3883	All	LN_SIZE	2018+	4	850	853
LN Head and Neck Levels I-III SSDI Item 3876	All	LNHN_LEVELS_I_III	2018+	1	854	854
LN Head and Neck Levels IV-V SSDI Item 3877	All	LNHN_LEVELS_IV_V	2018+	1	855	855
LN Head and Neck Other SSDI Item 3879	All	LNHN_LEVELS_OTHER	2018+	1	856	856
LN Head and Neck Levels VI-VII SSDI Item 3878	All	LNHN_LEVELS_VI_VII	2018+	1	857	857
Lymphocytosis SSDI Item 3885	All	LYMPHOCYTOSIS	2018+	1	858	858
Major Vein Involvement SSDI Item 3886	All	MAJOR_VEIN_INVOLV	2018+	1	859	859
Methylation of O6-Methylguanine- Methyltransferase SSDI Item 3889	All	METHYLATION_O6MGMT	2018+	1	860	860
Microvascular Density SSDI Item 3891	All	MICROVASC_DENSITY	2018+	2	861	862
Mitotic Count Uveal Melanoma SSDI Item 3892	All	MITOTIC_COUNT_UVEA	2018+	4	863	866
Mitotic Rate Melanoma SSDI Item 3893	All	MITOTIC_RATE_MELANO	2018+	2	867	868
Microsatellite Instability (MSI) SSDI Item 3890	All	MSI	2018+	1	869	869
Multigene Signature Method SSDI Item 3894	All	MULTIGENE_METHOD	2018+	1	870	870
Multigene Signature Results SSDI Item 3895	All	MULTIGENE_RESULTS	2018+	2	871	872
NCCN International Prognostic Index (IPI) SSDI Item 3896	All	NCCN_IPI	2018+	2	873	874
Number of Cores Examined SSDI Item 3897	All	NUM_CORES_EXAM	2018+	2	875	876
Number of Cores Positive SSDI Item 3898	All	NUM_CORES_POS	2018+	2	877	878
Number of Examined Para-Aortic Nodes SSDI Item 3899	All	NUM_NODES_EXAM_PARA_A	2018+	2	879	880
Number of Positive Para-Aortic Nodes SSDI Item 3901	All	NUM_NODES_POS_PARA_A	2018+	2	881	882

NCDB 2024 PUF Item List	Adult Only/All*	PUF Item Name	Diagnosis Years Available**	File Layout		
				Characters	Start	End
Number of Examined Pelvic Nodes SSDI Item 3900	All	NUM_PELV_NODES_EXAM	2018+	2	883	884
Number of Positive Pelvic Nodes SSDI Item 3902	All	NUM_PELV_NODES_POS	2018+	2	885	886
Oncotype Dx Risk Level-DCIS SSDI Item 3905	All	ONCOTYPE_RISK_DCIS	2018+	1	887	887
Oncotype Dx Risk Level-Invasive SSDI Item 3906	All	ONCOTYPE_RISK_INVAS	2018+	1	888	888
Oncotype Dx Recurrence Score-DCIS SSDI Item 3903	All	ONCOTYPE_SCORE_DCIS	2018+	3	889	891
Oncotype Dx Recurrence Score-Invasive SSDI Item 3904	All	ONCOTYPE_SCORE_INV	2018+	3	892	894
Organomegaly SSDI Item 3907	All	ORGANOMEGALY	2018+	1	895	895
Primary Sclerosing Cholangitis SSDI Item 3917	All	P_SCLER_CHOLANGITIS	2018+	1	896	896
Percent Necrosis Post Neoadjuvant SSDI Item 3908	All	PERCNT_NECROS_POST	2018+	5	897	901
Perineural Invasion SSDI Item 3909	All	PERINEURAL_INV	2018+	1	902	902
Peripheral Blood Involvement SSDI Item 3920	All	PERIPH_BLOOD_INV	2018+	1	903	903
Peritoneal Cytology SSDI Item 3911	All	PERITONEAL_CYTOL	2018+	1	904	904
Pleural Effusion SSDI Item 3913	All	PLEURAL_EFFUSION	2018+	1	905	905
Visceral and Parietal Pleural Invasion SSDI Item 3937	All	PLEURAL_INV	2018+	1	906	906
Progesterone Receptor Percent Positive or Range SSDI Item 3914	All	PR_PERCENT_POS_OR_RNG	2018+	3	907	909
Progesterone Receptor Summary SSDI Item 3915	All	PR_SUMMARY	2018+	1	910	910
Progesterone Receptor Total Allred Score SSDI Item 3916	All	PR_TOTAL_ALLRED	2018+	2	911	912
Prostate Pathological Extension SSDI Item 3919	All	PROSTATE_PATH_EXT	2018+	3	913	915
PSA (Prostatic Specific Antigen) Lab Value SSDI Item 3920	All	PSA	2018+	5	916	920
Response to Neoadjuvant Therapy SSDI Item 3922	All	RSPNS_TO_NEOADJUVT	2018+	1	921	921
S Category Clinical SSDI Item 3923	All	S_CAT_CLIN	2018+	1	922	922
S Category Pathological SSDI Item 3924	All	S_CAT_PATH	2018+	1	923	923
Sarcomatoid Features SSDI Item 3925	All	SARCOMATOID	2018+	3	924	926
Schema Discriminator 1 SSDI Item 3926	All	SCHEMA_DISC_1	2018+	1	927	927
Schema Discriminator 2 SSDI Item 3927	All	SCHEMA_DISC_2	2018+	1	928	928
Schema Discriminator 3 SSDI Item 3928	All	SCHEMA_DISC_3	2018+	1	929	929
Schema ID SSDI Item 3800	All	SCHEMA_ID	2018+	5	930	934
Separate Tumor Nodules SSDI Item 3929	All	SEP_NODULES	2018+	1	935	935
Sentinel Lymph Nodes Examined	All	SLN_EXAM	2018+	2	936	937
Sentinel Lymph Nodes Positive	All	SLN_POS	2018+	2	938	939
Measured Thickness SSDI Item 3888	All	THICKNESS	2018+	4	940	943
Thrombocytopenia SSDI Item 3933	All	THROMBOCYTOPENIA	2018+	1	944	944
Tumor Deposits SSDI Item 3934	All	TUMOR_DEPOSITS	2018+	2	945	946
Tumor Growth Pattern SSDI Item 3935	All	TUMOR_GROWTH_PAT	2018+	1	947	947
Ulceration SSDI Item 3936	All	ULCERATION	2018+	1	948	948
Days from Dx to Sentinel Node Biopsy	All	SENTINEL_LNBX_STARTED_DAY	2018+	8	949	956
Days from Dx to Regional LN Dissection	All	REG_LN_DISS_STARTED_DAY	2018+	8	957	964

NCDB 2024 PUF Item List		Adult Only/All*	PUF Item Name	Diagnosis Years Available**	File Layout		
					Characters	Start	End
	Residual Tumor Volume Post Cytoreduction SSDIItem 3921	All	RESID_POST_CYTOREDU	2018+	2	965	966
Variables Collected in 2020	Percent No High School Degree Quartiles 2016-2020	All	NO_HSD_QUAR_2020	All	1	967	967
	Median Income Quartiles 2016-2020	All	MED_INC_QUAR_2020	All	1	968	968
	NCDB--SARSCoV2--Pos	All	SARSCOV2_POS	2020-2021	1	969	969
	Elapsed Days from DX to Date of First Positive COVID Test	All	SARSCOV2_POS_DAYS	2020-2021	8	970	977
	NCDB--SARSCoV2--Test	All	SARSCOV2_TEST	2020-2021	1	978	978
Variables Collected in 2021	Grade Post Therapy Clin (yc)	All	GRADE_POST_THERAPY_CLIN_YC	2021+	1	979	979
	AJCC TNM Post Therapy Clin (yc) M	All	AJCC_TNM_POST_CLIN_YC_M	2021+	15	980	994
	AJCC TNM Post Therapy Clin (yc) N	All	AJCC_TNM_POST_CLIN_YC_N	2021+	15	995	1009
	AJCC TNM Post Therapy Clin (yc) N Suffix	All	AJCC_TNM_POST_CLIN_YC_N_SUF	2021+	4	1010	1013
	AJCC TNM Post Therapy Clin (yc) T	All	AJCC_TNM_POST_CLIN_YC_T	2021+	15	1014	1028
	AJCC TNM Post Therapy Clin (yc) T Suffix	All	AJCC_TNM_POST_CLIN_YC_T_SUF	2021+	4	1029	1032
Variables Collected in 2022	AJCC TNM Post Therapy Clin (yc) Stage Group	All	AJCC_TNM_POST_THER_CLIN_YC_GRP	2021+	15	1033	1047
	Macroscopic Evaluation of Mesorectum	All	MACROSCOPIC_EVAL_TMESORECTUM	2022+	2	1049	1050
	Derived Rai Stage	All	DERIVED_RAI_STAGE	2018+	1	1051	1051
	P16	All	P16	2021+	1	1052	1052
	LN Status Pelvic	All	LN_STATUS_PELVIC	2018+	1	1053	1053
	LN Status Para-Aortic	All	LN_STATUS_PARA_AORTIC	2018+	1	1054	1054
	LN Status Femoral-Inguinal	All	LN_STATUS_FEMORAL_INGUINAL	2018-2023	1	1055	1055
	Rx Hosp--Surg Breast	All	RX_HOSP_SURG_BREAST	2022-2023	4	1056	1059
	Rx Summ-- Surg Breast	All	RX_SUMM_SURG_BREAST	2022-2023	4	1060	1063
	ALK Rearrangement	All	ALK_REARRANGEMENT	2021+	1	1064	1064
	EGFR Mutational Analysis	All	EGFR_MUTATIONAL_ANALYSIS	2021+	1	1065	1065
	BRAF Mutational Analysis	All	BRAF_MUTATIONAL_ANALYSIS	2021+	1	1066	1066
	NRAS Mutational Analysis	All	NRAS_MUTATIONAL_ANALYSIS	2021+	1	1067	1067
	CA 19-9 PreTx Lab Value	All	CA_19_9_PRETX_LAB_VALUE	2021+	6	1068	1073
	CLINICAL_MARGIN_WIDTH	All	CLINICAL_MARGIN_WIDTH	2023+	4	1074	1077
	Tobacco Use Smoking Status	All	TOBACCO_USE	2023+	1	1048	1048
Variables Collected in 2023	Histologic Subtype	All	HISTOLOGIC_SUBTYPE	2023+	1	1078	1078
	Rx Hosp--Surg 2023	All	RX_HOSP_SURG_PRIM_SITE_2023	2023+	4	1079	1082
	Rx Summ--Surg 2023	All	RX_SUMM_SURG_PRIM_SITE_2023	2023+	4	1083	1086
	Urban/Rural 2023	All	UR_CD_23	2004+	1	1087	1087
Variables Collected in 2024	Rx Hosp-- Recon Breast	All	RX_HOSP_RECON_BREAST_2024	2022+	4	1088	1091
	Rx Summ-- Recon Breast	All	RX_SUMM_RECON_BREAST_2024	2022+	4	1092	1095

*Facility type, Facility Location, and Medicaid Expansion Codes are suppressed for ages 0-39.

**Based on 2024 PUF including cases diagnosed in 2004-2024 only.

***Availability differs by site and factor. Please visit the links for Collaborative Stage Items Definitions for Site Specific Factors located under Links to Cancer Registry and Other

Manuals on the NCDB PUF website for more information: <https://www.facs.org/quality-programs/cancer-programs/national-cancer-database/puf/>