

**National Biobank Consortium of Taiwan
Common Data Model**

**NBCT CDM
Cancer Data Dictionary**

NBCT CDM
Cancer Data Dictionary
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14_PATIENT (Includes birth date, sex, and a clinical index date)	25
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Table Overview

No	Table Name	Description
01	OPDTE	Outpatient Visit Summary Table – Patient-Level Clinical Encounter Information
02	OPDO1_MED	Outpatient National Health Insurance (NHI) Order Data – Prescribed Medications
03	OPDO1_PROC	Outpatient NHI Order Data – Procedures Including Surgery, Laboratory Tests, and Radiotherapy
04	OPDO1_OTHER	Outpatient NHI Order Data – Other Services and Items
05	IPDTE	Inpatient Admission Summary Table – Hospital Stay and Discharge Records
06	IPDO1_MED	Inpatient NHI Order Data – Prescribed Medications
07	IPDO1_PROC	Inpatient NHI Order Data – Procedures Including Surgery, Laboratory Tests, and Radiotherapy
08	IPDO1_OTHER	Inpatient NHI Order Data – Other Services and Items
09_1	LABD1	Daily Claims for Lab and Examinations
09_2	LABM1	Monthly Claims for Lab and Examinations
10	CRLSF	Taiwan Cancer Registry Dataset – Cancer Diagnosis and Staging Information
11	DEATH	Mortality Data
12	CASE	Cancer Case Management Follow-up Table –Outcomes for Cancer Patients
13	COM	Contains Information On Comorbidities and Metastasis
14	PATIENT	Includes Birth Date, Sex, and a Clinical Index Date

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Health Data Table Mapping by Thematic Group

Group	Table Name / Source
Patient	14_PATIENT
Disease	10_CRLSF
Assessment	09_LAB 13_COM 10_CRLSF
Genomics	NBCT Oncology Genomics Data
Treatment	01_OPDTE 02_OPDO1_MED 03_OPDO1_PROC 04_OPDO1_OTHER 05_IPDTE 06_IPDO1_MED 07_IPDO1_PROC 08_IPDO1_OTHER 10_CRLSF
Outcome	11_DEATH 12_CASE

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01_OPDTE (Outpatient Visit Summary Table)

No.	Required (Y/N)	Field Name	Description	Length	Data Type (C/N)
1	Y	opd_no	A linking key connects the OPDTE table (visit records) with the OPDO1 table (order records).	27	C
2	Y	hosp_id	Provider ID (De-identified)	3	C
3	Y	case_type	Case Category	2	C
4	N	cure_item_no1	Special Treatment Code (1)	2	C
5	N	cure_item_no2	Special Treatment Code (2)	2	C
6	N	cure_item_no3	Special Treatment Code (3)	2	C
7	N	cure_item_no4	Special Treatment Code (4)	2	C
8	Y	func_type	Department/Clinic Visited	2	C
9	Y	func_date	Visit Date (Obfuscated) ¹	6	C
10	N	cure_e_date	Treatment End Date (Obfuscated) ¹	6	C
11	Y	birthday	Date of Birth (Obfuscated) ¹	6	C
12	Y	id	ID Number (De-identified)	36	C
13	N	id_s	sex	1	C
14	N	icd_1	Primary Diagnosis Code	9	C
15	N	icd_2	Secondary Diagnosis Code (1) ²	9	C
16	N	icd_3	Secondary Diagnosis Code (2) ²	9	C
17	N	icd_4	Secondary Diagnosis Code (3) ²	9	C
18	N	icd_5	Secondary Diagnosis Code (4) ²	9	C
19	N	icd_op_code1	Primary Procedure Code	9	C
20	N	icd_op_code2	Secondary Procedure Code (1)	9	C
21	N	icd_op_code3	Secondary Procedure Code (2)	9	C
22	N	drug_day	Days of Medication Prescribed	2	C
23	N	med_type	Prescription Dispensing Method	1	C

Data Type: C (Character/String), N (Numeric)

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02_OPDO1_MED (Outpatient NHI Order Data – Prescribed Medications)

No.	Required (Y/N)	Field Name	Description	Length	Data Type (C/N)
1	Y	opd_no	A linking key connects the OPDTE table with the OPDO1 table.	27	C
2	Y	hosp_id	Provider ID (De-identified)	3	C
3	Y	case_type	Case Category	2	C
4	Y	id	ID Number (De-identified)	32	C
5	N	drug_day	Medication Frequency	2	C
6	N	rel_mode	Dispensing Method	1	C
7	Y	order_type	Order Category	1	C
8	Y	drug_no	Drug/Item Code ³	12	C
9	N	drug_use	Dosage	7	C
10	N	cure_path	Treatment Site	18	C
11	N	drug_fre	Medication Frequency	18	C
12	N	drug_path	Route of Administration	4	C
13	Y	total_q	Total Quantity	7	C
14	Y	order_seq_no	Order Sequence	3	C
15	N	ther_s_date	Start Time (Obfuscated) ¹	6	C
16	N	ther_e_date	End Time (Obfuscated) ¹	6	C
17	N	chr_mark	Chronic Prescription	1	C

Data Type: C (Character/String), N (Numeric)

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03_OPDO1_PROC (Outpatient NHI Order Data – Procedures)

No.	Required (Y/N)	Field Name	Description	Length	Data Type (C/N)
1	Y	opd_no	A linking key connects the OPDTE table with the OPDO1 table.	27	C
2	Y	hosp_id	Provider ID (De-identified)	3	C
3	Y	case_type	Case Category	2	C
4	Y	id	ID Number (De-identified)	32	C
5	N	drug_day	Medication Frequency	2	C
6	N	rel_mode	Dispensing Method	1	C
7	Y	order_type	Order Category	1	C
8	Y	drug_no	Drug/Item Code ³	12	C
9	N	drug_use	Dosage	7	C
10	N	cure_path	Treatment Site	18	C
11	N	drug_fre	Medication Frequency	18	C
12	N	drug_path	Route of Administration	4	C
13	Y	total_q	Total Quantity	7	C
14	Y	order_seq_no	Order Sequence	3	C
15	N	ther_s_date	Start Time (Obfuscated) ¹	6	C
16	N	ther_e_date	End Time (Obfuscated) ¹	6	C
17	N	chr_mark	Chronic Prescription	1	C

Data Type: C (Character/String), N (Numeric)

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04_OPDO1_OTHER (Outpatient NHI Order Data – Other Services and Items)

No.	Required (Y/N)	Field Name	Description	Length	Data Type (C/N)
1	Y	opd_no	A linking key connecting the OPDTE table with the OPDO1 table.	27	C
2	Y	hosp_id	Provider ID (De-identified)	3	C
3	Y	case_type	Case Category	2	C
4	Y	id	ID Number (De-identified)	32	C
5	N	drug_day	Medication Frequency	2	C
6	N	rel_mode	Dispensing Method	1	C
7	Y	order_type	Order Category	1	C
8	Y	drug_no	Drug/Item Code ³	12	C
9	N	drug_use	Dosage	7	C
10	N	cure_path	Treatment Site	18	C
11	N	drug_fre	Medication Frequency	18	C
12	N	drug_path	Route of Administration	4	C
13	Y	total_q	Total Quantity	7	C
14	Y	order_seq_no	Order Sequence	3	C
15	N	ther_s_date	Start Time (Obfuscated) ¹	6	C
16	N	ther_e_date	End Time (Obfuscated) ¹	6	C
17	N	chr_mark	Chronic Prescription	1	C

Data Type: C (Character/String), N (Numeric)

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05_IPDTE (Inpatient Admission Summary Table)

No.	Required (Y/N)	Field Name	Description	Length	Data Type (C/N)
1	Y	ipd_no	Linking key between IPDTE and IPDO1.	27	C
2	Y	hosp_id	Provider ID (De-identified)	3	C
3	Y	case_type	Case Category	2	C
4	Y	id	ID Number (De-identified)	36	C
5	N	id_s	sex	1	C
6	Y	birthday	Date of Birth (Obfuscated) ¹	6	C
7	Y	func_type	Department/Clinic Visited	2	C
8	Y	in_date	Admission Date (Obfuscated) ¹	6	C
9	N	out_date	Discharge Date (Obfuscated) ¹	6	C
10	N	e_bed_day	Days in Acute Ward	3	C
11	N	s_bed_day	Days in Chronic Ward	3	C
12	N	tw_drgs	Tw-DRG Code	5	C
13	N	drg_code	DRG Code	5	C
14	Y	tran_code	Discharge Status Code	1	C
15	Y	icd9cm_1	Primary Diagnosis Code	9	C
16	N	icd9cm_2	Secondary Diagnosis Code (1) ²	9	C
17	N	icd9cm_3	Secondary Diagnosis Code (2) ²	9	C
18	N	icd9cm_4	Secondary Diagnosis Code (3) ²	9	C
19	N	icd9cm_5	Secondary Diagnosis Code (4) ²	9	C
20	N	icd_op_code1	Primary Procedure Code	9	C
21	N	icd_op_code2	Primary Procedure Code 1	9	C
22	N	icd_op_code3	Primary Procedure Code 2	9	C
23	N	icd_op_code4	Primary Procedure Code 3	9	C
24	N	icd_op_code5	Primary Procedure Code 4	9	C

Data Type: C (Character/String), N (Numeric)

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06_IPDO1_MED (Inpatient NHI Order Data – Prescribed Medications)

No.	Required (Y/N)	Field Name	Description	Length	Data Type (C/N)
1	Y	ipd_no	Linking key between IPDTE and IPDO1.	27	C
2	Y	hosp_id	Provider ID (De-identified)	3	C
3	Y	case_type	Case Category	2	C
4	Y	id	ID Number (De-identified)	32	C
5	Y	order_seq_no	Order Sequence	5	C
6	Y	order_type	Order Category	1	C
7	Y	order_code	Drug/Item Code ³	12	C
8	N	drug_use	Dosage	7	C
9	N	drug_fre	Frequency of Use	18	C
10	N	drug_path	Route of Administration	4	C
11	N	con_func_type	Consultation Department	2	C
12	N	cure_path	Treatment Site	18	C
13	N	exe_s_date	Start Time (Obfuscated) ¹	2	C
14	N	exe_e_date	End Time (Obfuscated) ¹	2	C
15	Y	total_q	Total Quantity	7	C

Data Type: C (Character/String), N (Numeric)

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07_IPDO1_PROC (Inpatient NHI Order Data – Procedures)

No.	Required (Y/N)	Field Name	Description	Length	Data Type (C/N)
1	Y	ipd_no	Linking key between IPDTE and IPDO1.	27	C
2	Y	hosp_id	Provider ID (De-identified)	3	C
3	Y	case_type	Case Category	2	C
4	Y	id	ID Number (De-identified)	32	C
5	Y	order_seq_no	Order Sequence	5	C
6	Y	order_type	Order Category	1	C
7	Y	order_code	Drug/Item Code ³	12	C
8	N	drug_use	Dosage	7	C
9	N	drug_fre	Frequency of Use	18	C
10	N	drug_path	Route of Administration	4	C
11	N	con_func_type	Consultation Department	2	C
12	N	cure_path	Treatment Site	18	C
13	N	exe_s_date	Start Time (Obfuscated) ¹	2	C
14	N	exe_e_date	End Time (Obfuscated) ¹	2	C
15	Y	total_q	Total Quantity	7	C

Data Type: C (Character/String), N (Numeric)

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08_IPDO1_OTHER (Inpatient NHI Order Data – Other Services and Items)

No.	Required (Y/N)	Field Name	Description	Length	Data Type (C/N)
1	Y	ipd_no	Linking key between IPDTE and IPDO1.	27	C
2	Y	hosp_id	Provider ID (De-identified)	3	C
3	Y	case_type	Case Category	2	C
4	Y	id	ID Number (De-identified)	32	C
5	Y	order_seq_no	Order Sequence	5	C
6	Y	order_type	Order Category	1	C
7	Y	order_code	Drug/Item Code ³	12	C
8	N	drug_use	Dosage	7	C
9	N	drug_fre	Frequency of Use	18	C
10	N	drug_path	Route of Administration	4	C
11	N	con_func_type	Consultation Department	2	C
12	N	cure_path	Treatment Site	18	C
13	N	exe_s_date	Start Time (Obfuscated) ¹	2	C
14	N	exe_e_date	End Time (Obfuscated) ¹	2	C
15	Y	total_q	Total Quantity	7	C

Data Type: C (Character/String), N (Numeric)

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09_1_LABD1 (Daily Claims for Lab and Examinations)

No.	Required (Y/N)	Field Name	Description	Length	Data Type (C/N)
1	Y	report_type	Report Type	1	C
2	Y	hosp_id	Provider ID (De-identified)	10	C
3	Y	hosp_data_type	Healthcare Provider Type	2	C
4	Y	case_type	Case Category	2	C
5	Y	id	ID Number (De-identified)	10	C
6	Y	birthday	Date of Birth (Obfuscated) ¹	7	C
7	N	func_date	Visit Date (Obfuscated) ¹	7	C
8	N	cure_e_date	Treatment End Date (Obfuscated) ¹	7	C
9	N	in_date	Admission Date (Obfuscated) ¹	7	C
10	N	out_date	Discharge Date (Obfuscated) ¹	7	C
11	Y	order_code	Drug/Item Code ³	12	C
12	N	recipe_time	Order DateTime (Obfuscated) ¹	11	C
13	Y	real_inspect_time	Specimen/Procedure DateTime (Obfuscated) ¹	11	C
14	N	inspect_mode	Specimen Method/Source/Type	200	C
15	N	rel_mode	Dispensing Method	1	C
16	N	o_hosp_id	Code of the original prescribing medical institution.	10	C
17	Y	case_seq_no	Report Serial Number	6	C
18	N	assay_item_name	Test Item Name	100	C
19	N	assay_method	Assay Method	100	C
20	N	assay_value	Test Result Value	4000	C
21	N	assay_result	Test Result Positive/Negative Indicator	1	C
22	N	unit_data	Unit	50	C
23	N	consult_value_lower	Lower Bound Of The Normal Reference Range.	1000	C
24	N	consult_value_max	Upper Bound Of The Normal Reference Range.	1000	C
25	N	case_time	Report DateTime (Obfuscated) ¹	11	C
26	N	assay_mark	Test Result Annotation	1	C

Data Type: C (Character/String), N (Numeric)

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09_2_LABM1 (Monthly Aggregated Claims for Lab and Examinations)

No.	Required (Y/N)	Field Name	Description	Length	Data Type (C/N)
1	Y	report_type	Report Type	1	C
2	Y	hosp_id	Provider ID (De-identified)	10	C
3	Y	hosp_data_type	Healthcare Provider Type	2	C
4	Y	case_type	Case Category	2	C
5	Y	id	ID Number (De-identified)	10	C
6	Y	birthday	Date of Birth (Obfuscated) ¹	7	C
7	N	func_date	Visit Date (Obfuscated) ¹	7	C
8	N	cure_e_date	Treatment End Date (Obfuscated) ¹	7	C
9	N	in_date	Admission Date (Obfuscated) ¹	7	C
10	N	out_date	Discharge Date (Obfuscated) ¹	7	C
11	N	order_seq_no	Order Sequence	5	C
12	Y	order_code	Drug/Item Code ³	12	C
13	N	recipe_time	Order DateTime (Obfuscated) ¹	11	C
14	Y	real_inspect_time	Specimen/Procedure DateTime (Obfuscated) ¹	11	C
15	N	inspect_mode	Specimen Method/Source/Type	200	C
16	N	rel_mode	Dispensing Method	1	C
17	N	o_hosp_id	Code of the original prescribing medical institution.	10	C
18	Y	case_seq_no	Report Serial Number	6	C
19	N	assay_item_name	Test Item Name	100	C
20	N	assay_method	Assay Method	100	C
21	N	assay_value	Test Result Value	4000	C
22	N	assay_result	Test Result Positive/Negative Indicator	1	C
23	N	unit_data	Unit	50	C
24	N	consult_value_lower	Lower Bound Of The Normal Reference Range.	1000	C
25	N	consult_value_max	Upper Bound Of The Normal Reference Range.	1000	C
26	N	case_time	Report DateTime (Obfuscated) ¹	11	C
27	N	assay_mark	Test Result Annotation	1	C

Data Type: C (Character/String), N (Numeric)

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10_CRLSF (Taiwan Cancer Registry Dataset)

No.	Required (Y/N)	Field Name	Description	Length	Data Type (C/N)
1	Y	hosp_id	1.1 Reporting Hospital Code	3	C
2	Y	id	1.4 ID Number (De-identified)	36	C
3	Y	sex	1.5 Sex	1	C
4	Y	birth	1.6 Date of Birth (Obfuscated) ¹	6	C
5	Y	resid	1.7 Residence Code	4	C
6	Y	diagage	2.1 Age at Diagnosis	3	C
7	Y	sequence	2.2 Sequence Number	2	C
8	Y	class	2.3 Class of Case	1	C
9	Y	class_d	2.3.1 Class of Diagnosis Status	1	C
10	Y	class_t	2.3.2 Class of Treatment Status	1	C
11	Y	cont_dt	2.4 Date of First Contact (Obfuscated) ¹	6	C
12	Y	diag_dt	2.5 Date of Initial Diagnosis (Obfuscated) ¹	6	C
13	Y	casite	2.6 Primary Site	4	C
14	Y	lateral	2.7 Laterality	1	C
15	Y	hist	2.8 Histology	4	C
16	Y	behavior	2.9 Behavior Code	1	C
17	Y	grade_c	2.10.1 Grade Clinical	1	C
18	Y	grade_p	2.10.2 Grade Pathological	1	C
19	Y	confirm	2.11 Diagnostic Confirmation	1	C
20	Y	mconf_dt	2.12 Date of First Microscopic Confirmation (Obfuscated) ¹	6	C
21	N	tsize_c	2.13 Tumor Size	3	C
22	N	pni	2.13.1 Perineural Invasion	1	C
23	N	lvi	2.13.2 Lymph-vascular invasion	1	C
24	N	nexam	2.14 Regional Lymph Nodes Examined	2	C
25	N	nposit	2.15 Regional Lymph Nodes Positive	2	C
26	N	sdiag_dt	3.1 Date of Surgical Diagnostic and Staging Procedure (Obfuscated) ¹	6	C
27	N	sdiag_o	3.2 Surgical Diagnostic and Staging Procedure at Other Facility	2	C
28	N	sdiag	3.3 Surgical Diagnostic and Staging Procedure at This Facility	2	C
29	N	ct	3.4 Clinical T	4	C
30	N	cn	3.5 Clinical N	3	C

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No.	Required (Y/N)	Field Name	Description	Length	Data Type (C/N)
31	N	cm	3.6 Clinical M	3	C
32	N	cstage	3.7 Clinical Stage Group	3	C
33	N	cdescr	3.8 Clinical Stage (Prefix/Suffix) Descriptor	1	C
34	N	pt	3.10 Pathologic T	4	C
35	N	pn	3.11 Pathologic N	3	C
36	N	pm	3.12 Pathologic M	3	C
37	N	pstage	3.13 Pathologic Stage Group	3	C
38	N	pdescr	3.14 Pathologic Stage (Prefix/Suffix) Descriptor	1	C
39	N	ajcc_ed	3.16 The Edition and Chapter of AJCC Cancer Staging	5	C
40	N	ostage	3.17 Other Staging System	2	C
41	N	ostagec	3.19 Clinical Other Staging System	4	C
42	N	ostagep	3.21 Pathologic Other Staging System	4	C
43	N	fc_dt	4.1Date of First Course of Treatment (Obfuscated) ¹	6	C
44	Y	op_dt	4.1.1 Date of First Surgical Procedure (Obfuscated) ¹	6	C
45	N	opdef_dt	4.1.2Date of Most Definite Surgical Resection of the Primary Site (Obfuscated) ¹	6	C
46	N	optype_o	4.1.3Surgical Procedure of Primary Site at Other Facility	2	C
47	N	optype	4.1.4Surgical Procedure of Primary Site at this Facility	2	C
48	N	misurgery	4.1.4.1 Minimally invasive surgery	1	C
49	N	opmargs	4.1.5 Surgical Margins of The Primary Site	1	C
50	N	opmargs_d	4.1.5.1 Surgical Margins Distance of the Primary Site	3	C
51	N	opln_o	4.1.6 Scope of Regional Lymph Node Surgery at Other Facility	1	C
52	N	oplnscope	4.1.7 Scope of Regional Lymph Node Surgery at this Facility	1	C
53	N	opos_o	4.1.8 Surgical Procedure/Other Site at Other Facility	1	C

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No.	Required (Y/N)	Field Name	Description	Length	Data Type (C/N)
54	N	opos	4.1.9 Surgical Procedure/Other Site at this Facility	1	C
55	N	opnor	4.1.10 Reason for No Surgery of Primary Site	1	C
56	N	rtsumm	4.2.1.1 RT Target Summary	2	C
57	N	rtmodal	4.2.1.2 RT Modality	3	C
58	Y	rtb_dt	4.2.1.3 Date of RT Started (Obfuscated) ¹	6	C
59	N	rte_dt	4.2.1.4 Date of RT Ended (Obfuscated) ¹	6	C
60	N	oprt_d	4.2.1.5 Sequence of Radiotherapy and Surgery	2	C
61	N	resy_s	4.2.1.6 Sequence of Locoregional Therapy and Systemic Therapy	2	C
62	N	rstatus	4.2.1.8 RT Status	2	C
63	N	ebrt	4.2.2.1 EBRT Technique	3	C
64	N	rth	4.2.2.2.1 Target of CTV_H	2	C
65	N	rth_dose	4.2.2.2.2 Dose to CTV_H (cGy)	5	C
66	N	rth_nf	4.2.2.2.3 Number of Fractions to CTV_H	2	C
67	N	rtl	4.2.2.3.1 Target of CTV_L	2	C
68	N	rtl_dose	4.2.2.3.2 Dose to CTV_L (cGy)	5	C
69	N	rtl_nf	4.2.2.3.3 Number of Fractions to CTV_L	2	C
70	N	ort_modal	4.2.3.1 Other RT Modality	2	C
71	N	ort_tech	4.2.3.2 Other RT Technique	2	C
72	N	ort	4.2.3.3.1 Target of Other RT	2	C
73	N	ort_dose	4.2.3.3.2 Dose to Target of Other RT	5	C
74	N	ort_nf	4.2.3.3.3 Number of Fractions of Other RT	2	C
75	N	sts_dt	4.3.1 Date of Systemic Therapy Started (Obfuscated) ¹	6	C
76	N	ch_o	4.3.2 Chemotherapy at Other Facility	2	C
77	Y	ch	4.3.3 Chemotherapy at This Facility	2	C
78	Y	ch_dt	4.3.4 Date of Chemotherapy Started at This Facility (Obfuscated) ¹	6	C
79	N	horm_o	4.3.5 Hormone/Steroid Therapy at Other Facility	2	C
80	Y	horm	4.3.6 Hormone/Steroid Therapy at This	2	C

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No.	Required (Y/N)	Field Name	Description	Length	Data Type (C/N)
			Facility		
81	Y	horm_dt	4.3.7 Date of Hormone/Steroid Therapy Started at This Facility (Obfuscated) ¹	6	C
82	N	immu_o	4.3.8 Immunotherapy at Other Facility	2	C
83	Y	immu	4.3.9 Immunotherapy at This Facility	2	C
84	Y	immu_dt	4.3.10 Date of Immunotherapy Started at This Facility (Obfuscated) ¹	6	C
85	Y	bm	4.3.11 Hematologic Transplant and Endocrine Procedure	2	C
86	Y	bm_dt	4.3.12 Date of Hematologic Transplant and Endocrine Procedure Started at This Facility (Obfuscated) ¹	6	C
87	N	target_o	4.3.13 Targeted therapy at Other Facility	2	C
88	Y	target_h	4.3.14 Targeted therapy at This Facility	2	C
89	Y	target_dt	4.3.15 Date of Targeted therapy Started at This Facility (Obfuscated) ¹	6	C
90	Y	palli	4.4 Palliative Care at This Facility	1	C
91	N	other	4.5.1 Other Treatment	2	C
92	N	other_dt	4.5.2 Date of Other Treatment Started (Obfuscated) ¹	6	C
93	N	recur_dt	5.1 Date of First Recurrence or Cancer Status Follow-Up (Obfuscated) ¹	6	C
94	N	recur	5.2 Type of First Recurrence	2	C
95	N	fu_dt	5.3 Date of Last Contact or Death (Obfuscated) ¹	6	C
96	N	vstatus	5.4 Vital Status	1	C
97	Y	height	7.1 Height	3	C
98	Y	weight	7.2 Weight	3	C
99	Y	smoking	7.3 Smoking Behavior	6	C
100	Y	btchew	7.4 Betel Nut Chewing Behavior	6	C
101	Y	drinking	7.5 Drinking Behavior	3	C
102	N	PS	7.6 Assessment of Performance Status before Treatment	3	C
103	N	ssf1	8.1 Site-Specific Factor 1	3	C
104	N	ssf2	8.2 Site-Specific Factor 2	3	C

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No.	Required (Y/N)	Field Name	Description	Length	Data Type (C/N)
105	N	ssf3	8.3 Site-Specific Factor 3	3	C
106	N	ssf4	8.4 Site-Specific Factor 4	3	C
107	N	ssf5	8.5 Site-Specific Factor 5	3	C
108	N	ssf6	8.6 Site-Specific Factor 6	3	C
109	N	ssf7	8.7 Site-Specific Factor 7	3	C
110	N	ssf8	8.8 Site-Specific Factor 8	3	C
111	N	ssf9	8.9 Site-Specific Factor 9	3	C
112	N	ssf10	8.10 Site-Specific Factor 10	3	C

Data Type: C (Character/String), N (Numeric)

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Cancer Data Dictionary

11_DEATH (Mortality Data)

No.	Required (Y/N)	Field Name	Description	Length	Data Type (C/N)
1	Y	id	ID Number (De-identified)	36	X
2	N	Sex	Sex	1	X
3	Y	birthday	Date of Birth (Obfuscated) ¹	6	X
4	N	ddate	Death Date (Obfuscated) ¹	6	X
5	N	dcode_1	Primary Cause of Death Code	7	X
6	N	dcode_2	Secondary Cause of Death Code	7	X
7	N	dcode_3	Tertiary Cause of Death Code	7	X

Data Type: C (Character/String), N (Numeric)

NBCT CDM
Cancer Data Dictionary

12_CASE (Cancer Case Follow-up and Outcome Table)

No.	Required (Y/N)	Field Name	Description	Length	Data Type (C/N)
1	Y	id	ID Number (De-identified)	36	C
2	Y	birthday	Date of Birth (Obfuscated) ¹	6	C
3	N	dkey	Data Entry Date (Obfuscated) ¹	6	C
4	N	dfollow	Follow-up Date (Obfuscated) ¹	6	C
5	N	mfollow	Follow-up Method	1	C
6	N	recur	Recurrence Status	1	C
7	N	response	Treatment Response	1	C
8	N	status	Survival Status	1	C

Data Type: C (Character/String), N (Numeric)

NBCT CDM
Cancer Data Dictionary

13_COM (Contains information on comorbidities and metastasis)

No.	Required (Y/N)	Field Name	Description	Length	Data Type (C/N)
1	Y	id	ID Number (De-identified)	36	C
2	Y	com_1	Myocardial_infarction	1	C
3	Y	com_2	Congestive_heart_failure	1	C
4	Y	com_3	Peripheral_vascular_disease	1	C
5	Y	com_4	Cerebrovascular_disease	1	C
6	Y	com_5	Dementia	1	C
7	Y	com_6	Chronic_pulmonary_disease	1	C
8	Y	com_7	Rheumatic_disease	1	C
9	Y	com_8	Peptic_ulcer_disease	1	C
10	Y	com_9	Mild_liver_disease	1	C
11	Y	com_10	Diabetes_without_chronic_complication	1	C
12	Y	com_11	Diabetes_with_chronic_complication	1	C
13	Y	com_12	Hemiplegia_or_paraplegia	1	C
14	Y	com_13	Renal_disease	1	C
15	Y	com_14	any_malignancy	1	C
16	Y	com_15	moderate_or_severe_liver_disease	1	C
17	Y	com_16	Metastatic_solid_tumor	1	C
18	Y	com_17	AIDS_HIV	1	C
19	Y	metadate_01_1	Date of metastasis to lymph nodes (Definition 1)	6	C
20	Y	metadate_01_2	Date of metastasis to lymph nodes (Definition 2)	6	C
21	Y	metadaet_02_1	Date of metastasis to trachea, bronchus, and lung (Definition 1)	6	C
22	Y	metadaet_02_2	Date of metastasis to trachea, bronchus, and lung (Definition 2)	6	C
23	Y	metadate_03_1	Date of metastasis to other respiratory organs (Definition 1)	6	C
24	Y	metadate_03_2	Date of metastasis to other respiratory organs (Definition 2)	6	C
25	Y	metadate_04_1	Date of metastasis to mediastinum (Definition 1)	6	C
26	Y	metadate_04_2	Date of metastasis to mediastinum (Definition 2)	6	C
27	Y	metadate_05_1	Date of metastasis to pleura (Definition 1)	6	C
28	Y	metadate_05_2	Date of metastasis to pleura (Definition 2)	6	C

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No.	Required (Y/N)	Field Name	Description	Length	Data Type (C/N)
29	Y	metadate_06_1	Date of metastasis to small intestine (Definition 1)	6	C
30	Y	metadate_06_2	Date of metastasis to small intestine (Definition 2)	6	C
31	Y	metadate_07_1	Date of metastasis to large intestine and rectum (Definition 1)	6	C
32	Y	metadate_07_2	Date of metastasis to large intestine and rectum (Definition 2)	6	C
33	Y	metadate_08_1	Date of metastasis to retroperitoneum and peritoneum (Definition 1)	6	C
34	Y	metadate_08_2	Date of metastasis to retroperitoneum and peritoneum (Definition 2)	6	C
35	Y	metadate_09_1	Date of metastasis to liver and intrahepatic bile ducts (Definition 1)	6	C
36	Y	metadate_09_2	Date of metastasis to liver and intrahepatic bile ducts (Definition 2)	6	C
37	Y	metadate_10_1	Date of metastasis to other digestive organs and spleen (Definition 1)	6	C
38	Y	metadate_10_2	Date of metastasis to other digestive organs and spleen (Definition 2)	6	C
39	Y	metadate_11_1	Date of metastasis to kidney and renal pelvis (Definition 1)	6	C
40	Y	metadate_11_2	Date of metastasis to kidney and renal pelvis (Definition 2)	6	C
41	Y	metadate_12_1	Date of metastasis to bladder and other urinary organs (Definition 1)	6	C
42	Y	metadate_12_2	Date of metastasis to bladder and other urinary organs (Definition 2)	6	C
43	Y	metadate_13_1	Date of metastasis to skin (Definition 1)	6	C
44	Y	metadate_13_2	Date of metastasis to skin (Definition 2)	6	C
45	Y	metadate_14_1	Date of metastasis to brain and other parts of central nervous system (Definition 1)	6	C
46	Y	metadate_14_2	Date of metastasis to brain and other parts of central nervous system (Definition 2)	6	C
47	Y	metadate_15_1	Date of metastasis to bone and bone	6	C

NBCT CDM Cancer Data Dictionary

No.	Required (Y/N)	Field Name	Description	Length	Data Type (C/N)
			marrow (Definition 1)		
48	Y	metadate_15_2	Date of metastasis to bone and bone marrow (Definition 2)	6	C
49	Y	metadate_16_1	Date of metastasis to ovary (Definition 1)	6	C
50	Y	metadate_16_2	Date of metastasis to ovary (Definition 2)	6	C
51	Y	metadate_17_1	Date of metastasis to adrenal gland (Definition 1)	6	C
52	Y	metadate_17_2	Date of metastasis to adrenal gland (Definition 2)	6	C
53	Y	metadate_18_1	Date of metastasis to breast (Definition 1)	6	C
54	Y	metadate_18_2	Date of metastasis to breast (Definition 2)	6	C
55	Y	metadate_19_1	Date of metastasis to genital organs (Definition 1)	6	C
56	Y	metadate_19_2	Date of metastasis to genital organs (Definition 2)	6	C
57	Y	metadate_20_1	Date of metastasis to other specified sites and unspecified site (Definition 1)	6	C
58	Y	metadate_20_2	Date of metastasis to other specified sites and unspecified site (Definition 2)	6	C

Data Type: C (Character/String), N (Numeric)

Definition 1 :

The date for this definition is based on the outpatient or inpatient diagnosis code **prior** to the cancer diagnosis date that corresponds to the International Classification of Diseases (ICD) code, with the closest date to the cancer diagnosis date being selected.

Definition 2 :

The date for this definition is based on the outpatient or inpatient diagnosis code **after** the cancer diagnosis date that corresponds to the International Classification of Diseases (ICD) code, with the closest date to the cancer diagnosis date being selected.

NBCT CDM
Cancer Data Dictionary

14_PATIENT (Includes birth date, sex, and a clinical index date)

No.	Required (Y/N)	Field Name	Description	Length	Data Type (C/N)
1	Y	id	ID Number (De-identified)	36	C
2	Y	birthday	Date of Birth (Obfuscated) ¹	6	C
3	N	resid	Residence Code	4	C
4	Y	sex	Sex	1	C
5	Y	sexsrcfile	Source File of Sex	10	C
6	Y	sexsrcfld	Source Field of Sex	10	C
7	Y	filename	Source File of Index Date	16	C
8	Y	varname	Source Field of Index Date	16	C
9	Y	yearmonth	Index Date (Year-Month)	6	C

Data Type: C (Character/String), N (Numeric)

NBCT CDM

Cancer Data Dictionary

Notes

Note 1 :

- (1). All date fields are fuzzified/obfuscated.
- (2). For individuals with cancer registration records, the index date is based on the initial diagnosis date of the primary cancer (represented in the "yearmonth" field of the index date form). All other dates are presented as relative days from the index date. A positive value indicates the event occurred after the primary cancer diagnosis, while a negative value indicates the event happened before the diagnosis. The year and month of the index date (from the "diag_dt" field in the CRLSF form, which corresponds to the date of cancer diagnosis) will also be obfuscated.
- (3). For patients without cancer registration records (usually within one year of diagnosis), the index date will be the initial cancer diagnosis date recorded in the outpatient or inpatient medical records of the hospital where the case was registered. This date is indicated in the "yearmonth" field of the index date form.

Note 2 :

Disease diagnoses in the NHI database have been coded using the International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) since 2016. Prior to 2016, diagnoses were recorded using the Ninth Revision (ICD-9-CM).

Note 3 :

The NHI utilizes a proprietary Drug Code system to classify dispensed medications and an Order Code system to record reimbursable medical services. The NHI Drug Codes can be systematically mapped to the World Health Organization's Anatomical Therapeutic Chemical (ATC) Classification System.

The NHI Order Codes provide comprehensive coverage for identifying a wide range of medical procedures.

National Health Insurance Medical Service Benefits and Payment Standards. Retrieved from <https://www.nhi.gov.tw/ch/np-3708-1.html>