ONTARIO HEALTH (CANCER CARE ONTARIO)

Specialized Services Oversight (SSO) Data Dictionary

Sarcoma Chemotherapy

3/3/2021

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Version Control

Date	Description	TFS#	Owner
October 27, 2015	• Added Thunder Bay; removed Lakeridge; • Removed duplicate Cisplatin; added Vinorelbine to match template; • Removed duplicate CISPDOX-MTRX(HD) from regimen. • Updated Health_Card_Number validation to reference no 0's, no 1's • Updated Health_Card_Number validation to reference numbers less than 10 digits	- - - 234973 235429	Michele Cross
November 8, 2016	Added IFOS(HD) to the Regimen drop-down list (App. 23 in this document, and also on the template and on the back-end validation)	698189 (700676)	Alex Platkin
August 30, 2017	Kingston General Hospital facility number updated from 693 to 978 and name updated from Kingston General Hospital to Kingston Health Sciences Centre (KHSC) as a result of amalgamation of Hotel Dieu Hospital and Kingston General Hospital. Update was made both for facility / referring facility lookup fields where applicable.	741614	Raj Sreenivasan
March 3, 2021	Updating data dictionary and template to include the minimal data set required for funding for implementation in Q1 2021/22.		Cassandra McKay

Sarcoma Chemotherapy: Data Elements

#	Entity	Data Element	COLUMN_NAME	Definition (Description)	Format	Valid values (Notes)	Apples to	Purpose and Use	Manda tory	Business key (Uniqueness)
1	Sarcoma - Chemothe rapy	Health Card Number	Health_Card_Num ber	Patient's Ontario Health Card Number.	CHAR(10)	Valid values: valid HCN Not valid: 0-unknown, 1-out of country (OOC), or number not equal to 10-	All	Unique patient identifier. Can be used to link data with other CCO data assets.	Yes	

#	Entity	Data Element	COLUMN_NAME	Definition (Description)	Format	Valid values (Notes)	Apples to	Purpose and Use	Manda tory	Business key (Uniqueness)
						digits numeric value. Please note: Version Code should not be included in entry.				
2	Sarcoma - Chemothe rapy	Patient chart Number	Patient_Chart_Nu mber	Facility's internal unique patient identifier	CHAR (12)	Must be alpha-numeric (i.e. no punctuation, must contain numbers and/or characters only).	All	For reimbursement: to uniquely identify procedure/treatme nt for a patient. For investigations: chart number will be provided in log file for the records with errors. This will allow facilities to link data in log file with their data sets.	Yes	Yes
3	Sarcoma - Chemothe rapy	Date of Birth	Date_Of_Birth	Patient's birth date	CHAR (8) YYYYMMDD	Valid Date	All	To calculate patient's age (e.g., to ensure patient is over 18 years of age) at time of procedure/treatme nt for funding.	Yes	
4	Sarcoma - Chemothe rapy	Postal Code	Postal_Code	Patient's residential postal code.	CHAR (10)	1. Must match any of these format masks: ANANAN, NNNNN, NNNNN-NNNN, AA 2. If matches mask ANANAN, then can't begin with D,F,I,O,Q,U, or W	All	Geographical distribution reporting, health system planning and performance measurement.	Yes	

#	Entity	Data Element	COLUMN_NAME	Definition (Description)	Format	Valid values (Notes)	Apples to	Purpose and Use	Manda tory	Business key (Uniqueness)
						3. If matches mask of AA, then should match any entry in **Appendix-1** (Province and State Codes).				
5	Sarcoma - Chemothe rapy	Facility Number	Facility_Number	Submitting facility number	CHAR (3)	Valid facility number MOHLTC classification listed in **Appendix-2**	All	To determine which facility performed procedure/treatme nt.	Yes	Yes
6	Sarcoma - Chemothe rapy	Patient type	Patient_Type	Identifies whether patient is inpatient/ outpatient at the reporting hospital	CHAR (10)	Must be one of the following values: • Inpatient • Outpatient	All		Yes	
7	Sarcoma - Chemothe rapy	Treatment date	Treatment_date	Date when patient was treated	CHAR (8) YYYYMMDD	Must be within submitting quarter and year	All	For funding and planning	Yes	Yes
8	Sarcoma - Chemothe rapy	Regimen	Regimen	A set of anti-cancer and supportive medications given during an active course of systemic chemotherapy	CHAR (22)	Valid regimen codes listed in CCO provincial regimen list in **Appendix-3**	All	For funding and planning	Yes	
9	Sarcoma - Chemothe rapy	Cycle Number	Cycle_Number	The cycle number for the current cycle of chemotherapy that the patient	CHAR (2)	Must be a numeric value, value must be greater than 0	All	For reimbursement, for program planning.	Yes	Yes

#	Entity	Data Element	COLUMN_NAME	Definition (Description)	Format	Valid values (Notes)	Apples to	Purpose and Use	Manda tory	Business key (Uniqueness)
				is receiving at treatment visit.						

Sarcoma Chemotherapy: Data Validations

Appendix-1: Valid 2-digits Postal Codes

Source: Ontario Health (Cancer Care Ontario) Data Book - Appendix B
https://www.cancercareontario.ca/en/data-book-reporting-
standards#:~:text=Data%20Book%20is%20a%20guide%20to%20the%20clinical%2C,to%20continually%20improve%20cancer%20services%20across%
20the%20province.

The table below provides list of valid 2-digit postal codes for province and State codes.

Two Digit Mini Postal Code					
Code	**Location**	**Code**	**Location**	**Code**	**Location**
NL	Newfoundland and Labrador	FL	Florida	NY	New York
NS	Nova Scotia	GA	Georgia	NC	North Carolina
NB	New Brunswick	HI	Hawaii	ND	North Dakota
PE	P.E.I.	ID	Idaho	OH	Ohio
QC	Quebec	IL	Illinois	OK	Oklahoma
ON	Ontario	IN	Indiana	OR	Oregon
MB	Manitoba	IA	Iowa	PA	Pennsylvania
SK	Saskatchewan	KS	Kansas	RI	Rhode Island
AB	Alberta	KY	Kentucky	SC	South Carolina
BC	British Columbia	LA	Louisiana	SD	South Dakota
YT	Yukon	ME	Maine	TN	Tennessee
NT	Northwest Territories	MD	Maryland	TX	Texas
NU	Nunavut	MA	Massachusetts	UT	Utah
US	USA, state not known	MI	Michigan	VT	Vermont
AL	Alabama	MN	Minnesota	VA	Virginia
AK	Alaska	MS	Mississippi	WA	Washington
AZ	Arizona	MO	Missouri	WV	West Virginia
AR	Arkansas	MT	Montana	WI	Wisconsin
CA	California	NE	Nebraska	WY	Wyoming
CO	Colorado	NV	Nevada	OC	Other Country
CT	Connecticut	NH	New Hampshire	XX	Transient/Homeless
DE	Delaware	NJ	New Jersey		
DC	District of Columbia	NM	New Mexico		

Appendix-2: Facility Numbers

Program Title	Submitting Hospital	Facility Number
a) Sarcoma (Chemotherapy) b) Sarcoma (Pathology)	Royal Victoria Regional Health Center	606
	Kingston Health Sciences Centre (KHSC)	978
	Grand River Health Corporation	930
	Windsor Regional Center	933
	Thunder Bay Regional Health Sciences Centre	935
	London Health Sciences	936
	Hamilton Health Sciences Corporation	942
	University Health Network	947
	Sunnybrook Health Sciences Centre	953
	The Ottawa Hospital	958
	Health Sciences North	959
	Sinai Health System	976

Appendix-3: Regimen List

A set of anti-cancer and supportive medications given during an active course of systemic chemotherapy that is named and defined in Ontario Health (Cancer Care Ontario)'s Provincial Formulary Regimen List.

Regimen Name	Drugs	Indication
CISPDOX-MTRX(HD)	Cisplatin, Doxorubicin, Methotrexate	Osteogenic Sarcoma
CYCLTOPO	Topotecan, Cyclophosphamide	Sarcoma or Neuroblastoma
DOCEGEMC	Gemcitabine, Docetaxel	GI, Pancreas or Lung, NSCLC, or GU, Bladder or Gynecological or Breast or Hematology or Head and Neck or Sarcoma
DOXOIFOS	Ifosfamide, Doxorubicin (+ Mesna)	Sarcoma or Gynecological
EPIRIFOS	Ifosfamide, Epirubicin, Mesna	Soft Tissue Sarcoma
ETOPIFOS	Ifosfamide, Etoposide (may use Mesna)	Sarcoma
GEMC	Gemcitabine	GI, Pancreas or Lung, NSCLC or GU, Bladder or Gynecological or Breast or Hematology or Head and Neck or Sarcoma
IFOS	Ifosfamide (+ Mesna)	Sarcoma or Gynecological or Genitourinary
IFOS(HD)	Ifosfamide (High Dose) (+ Mesna)	Sarcoma
MTRX(HD)	Methotrexate (> or = 100mg/m^2))	Gynecological - Gestational Trophoblastic Neoplasia or Hematology or Sarcoma or Unknown or CNS
MTRXVINO	Vinorelbine, Methotrexate	Sarcoma - Soft Tissues
MTRXVNBL	Vinblastine, Methotrexate	Sarcoma - Soft Tissues
VAC	Vincristine, Doxorubicin, Cyclophosphamide	Gynecologic Sarcoma Please Note: Must be given in as part of IE-VAC regimen. IE-VAC is reported by hospitals in two components, to be consistent with the ST-QBP. ETOPIFOS is reported as the first component of the regimen, and VAC for the second. VAC is not funded on its own. Further details can be found in the Sarcoma Services Funding Model – Data and Funding Summary

Quality Assurance Checks

The QA checks are grouped by number as follows:
100's - File level checks: Entire file is rejected
200's - Field format errors: Entire record is rejected.
300's - Rejected content errors: Entire record is rejected.
400's - Non-rejected content errors: Entire record is retained, including erroneous field.
500's - Other rejection errors including apparent duplicated errors. .

Validations: File Level Validations (Level 100)

The following rules will be applied and checked against every file submitted for SSO program.

#	Type	Condition	Error Message	Reject
103	File name	File name does not follow the convention for file name mask: Sarchemo_nnn_ffff_ffffQx.xlsx Where: Sarchemo: a fixed string indicating the program name (Sarcoma Chemotherapy) nnn: the three-digit code of the submitting site (e.g. 567) ffff _ffff: the two calendar years that make up the fiscal year separated by an underscore character (e.g. 2015_2016) Q: a fixed character for Quarter x: the quarter within the fiscal, which is always an integer number between 1 and 4 (e.g. 3) .csv: for csv spreadsheet Example: Sarchemo_567_2015_2016Q3.csv	File Error - File(s) is incorrectly named	Yes
104	Empty	File is completely empty, with no header or data. *Note: files with only one row (i.e. the header row is present and no patient level data) are considered valid. This error applies only when there is no such header.)*	File Error - File is empty	Yes
105	File Header	Header has either invalid number of columns, invalid names, or incorrect order.	File Error - File Sarchemo_nnn_ffff_ffffQx.xlsx: header list is incorrect.	Yes

106	Data records are invalid	File header is correct but data records have invalid number of columns or row with a double quotes	File Error - File Error - File Sarchemo_nnn_ffff_ffffQx.xlsx: invalid number of data columns or unmatched double quotes in line <Line_Number>	No

Validations: Field Format Errors (Level 200)

Number	Entity	Data Element	Condition	Error Message	Reject
201	All	All Fields	Data field is not the correct length (either too long or too short)	Invalid field length *(For not mandatory date fields, ignore if null)*	Yes
202	All	All Date Fields	Date is not in YYYYMMDD format	Invalid date *(For not mandatory date fields, ignore if null)*	Yes

Validations: Content Errors, Record Rejected (Level 300)

Number	Element #	Data Element	Column	Condition	Error Message	Reject
300	1	Patient Health Card Number	Health_Card_Number	Is Null	Invalid - NULL VALUE (record rejected)	Yes
303	1	Patient Health Card Number	Health_Card_Number	Is not a valid ten-digit HCN	Invalid Ontario Health Card Number	Yes
394	1	Patient Health Card Number	Health_Card_Number	Is not valid	Invalid HCN (Health Card Number = 0) and Out of Province or Out of Country (Health Card Number = 1) should not be submitted	Yes
300	2	Patient Chart Number	Patient_Chart_Number	Is Null	Invalid - NULL VALUE (record rejected)	Yes
302	2	Patient Chart Number	Patient_Chart_Number	Contains non-alphanumeric characters, (i.e. no punctuation, must contain numbers and/or characters only).	Invalid Patient Chart Number - contains non-alpha-numeric characters or all alpha characters	Yes

Number	Element #	Data Element	Column	Condition	Error Message	Reject
300	3	Date of Birth	Date_Of_Birth	Is Null	Invalid - Null Value (record rejected)	Yes
300	4	Postal Code	Postal_Code	Is Null	Invalid - Null Value (record rejected)	Yes
304	4	Postal Code	Postal_Code	Matches mask ANANAN but begins with D, F, I, O, Q, U, or W.	Invalid Postal Code- Invalid Initial Letter	Yes
305	4	Postal Code	Postal_Code	Matches mask of AA but does not match any entry in Appendix 1 (Prov/State Codes)	Invalid Postal Code - field with mask AA does not match existing province/state codes	Yes
306	4	Postal Code	Postal_Code	Does not match mask: ANANAN, NNNNN, NNNNN-NNNN, AA	Invalid Postal Code	Yes
300	5	Facility Number	Facility_Number	Is Null	Invalid - NULL VALUE (record rejected)	Yes
301	5	Facility Number	Facility_Number	Does not match any legal entry in Appendix-2	Invalid Hospital Number	Yes
502	5	Facility Number	Facility_Number	Facility number in record does not match the facility number associated with DSP submission interface	Should match with facility number on interface selected	Yes
300	6	Patient Type	Patient Type	Is Null	Invalid - NULL VALUE (record rejected)	Yes
345	6	Patient Type	Patient Type	Is not predefined value (e.g. Inpatient, Outpatient)	Invalid values must be in inpatient/outpatient	Yes
300	7	Treatment Date	Treatment _date	Is Null	Invalid - Null Value (record rejected)	Yes
349	7	Treatment Date	Treatment_date	Is not in current reporting quarter.	Invalid value must be with in submitting quarter and year	Yes
300	8	Regimen	Regimen	Is null	Invalid - NULL VALUE (record rejected)	Yes
312	8	Regimen	Regimen	Is not a predefined value, as per Appendix 3	Invalid Regimen	Yes
300	9	Cycle Number	Cycle_Number	Is null	Invalid - NULL VALUE (record rejected)	Yes
375	9	Cycle Number	Cycle_Number	Is not 1 or greater.	Invalid cycle number - must be greater than 0	Yes

Validations: Content Errors, Record Not Rejected (Level 400)

Number	Element #	Data Element	Column	Condition	Error Message	Reject
418	3	Date of Birth	Date_Of_Birth	Patient is less than 18 years of age.	Warning: This record is for a person less than 18 years of age. Please note OH-CCO does not provide funding for cases where the patient is less than 18 years of age.	No
423	8	Regimen	Regimen	VAC regimen submitted on its own.	Warning: There was a VAC regimen submitted on its own. As a reminder, for submission of the IE-VAC regimen, please submit the VAC portion and the ETOPIFOS portion separately with the same cycle number. VAC is not funded on its own by the Sarcoma Program	No
424	8	Regimen	Regimen	ETOPIFOS regimen submitted on its own.	Warning: There was an ETOPIFOS regimen submitted on its own. As a reminder, for submission of the IE-VAC regimen, please submit the VAC portion and the ETOPIFOS portion separately with the same cycle number	No

Validations: Duplicate or Apparent Duplicate Records (Level 500)

No.	Entity	Data Element	Condition	Error Message	Reject
501	Uniqueness of treatment	Health Card Number, Facility Number, Treatment Date, Regimen Name	The four data elements (Health Card Number, Facility Number, Treatment Date and Regimen Name) are the same for two or more records in the same file.	Duplicate	Yes