



Regrouped Historical Data: Dissemination

The ICD-10-CA/CCI-based grouping methodologies for ambulatory care (Comprehensive Ambulatory Classification System [CACS]) and acute inpatient care (Case Mix Group+ [CMG+]), along with the associated Resource Intensity Weight (RIW) and Expected Length of Stay (ELOS) indicators, continue to evolve from year to year. In an effort to ensure that historical time series analyses derived from these methodologies are relevant and useful, the Canadian Institute for Health Information (CIHI) is pleased to offer the grouping of up to 5 years of historical data from the Discharge Abstract Database (DAD) and the National Ambulatory Care Reporting System (NACRS).

CIHI will disseminate data regrouped to the 2018 methodology for all 5 historical years at no additional charge. 4 closed years of data will be disseminated by the end of **May 2018**, and the most recently closed year of data (2017–2018) will be disseminated by the end of **July 2018**. The regrouped historical output will be available until March 31, 2019.

Clients who are unable to download the historical data within this time frame may submit a request to the Clinical Administrative Databases program area to regenerate and re-post it. Requests will be assigned a nominal fee of \$275 for each institution or facility number and each fiscal year being requested.

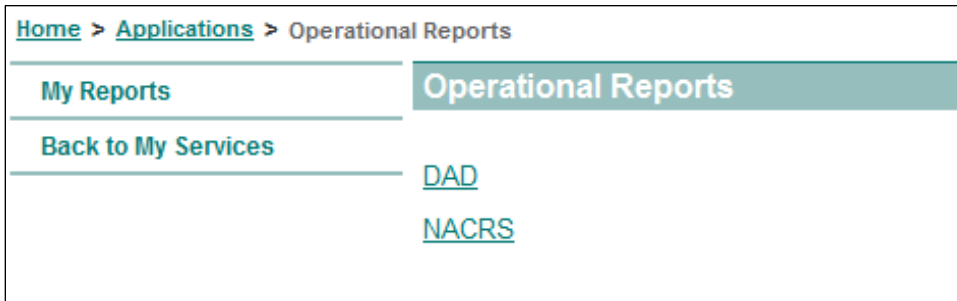
Requests may be submitted by email to cad@cihi.ca.



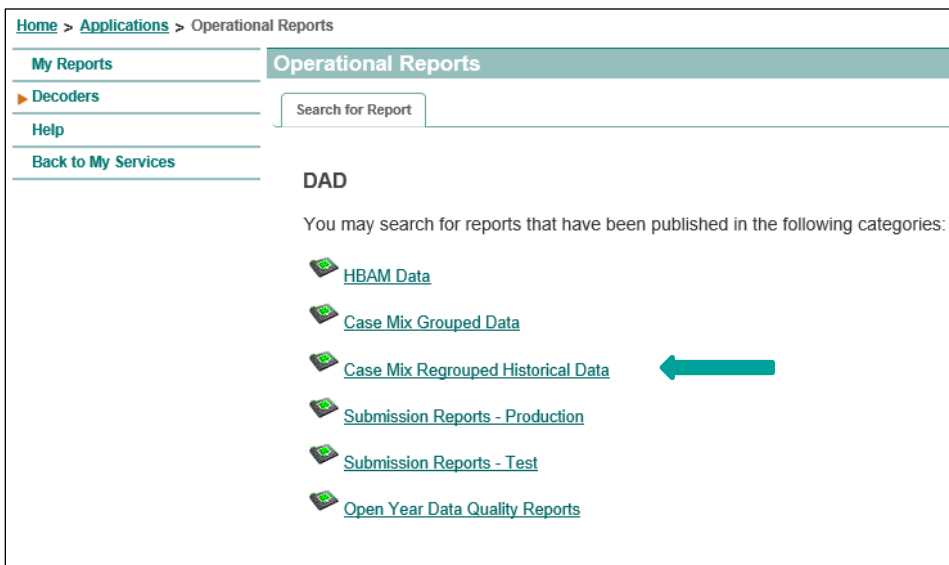


Data dissemination

Regrouped historical data sets will be provided to hospital clients through Operational Reports via the links **DAD** and/or **NACRS** under My Reports on CIHI’s website.



By clicking the link **Case Mix Regrouped Historical Data** under DAD and/or NACRS, clients will be able to view the list of files that have been regrouped and download the files to a local computer.



The regrouped historical data files will contain a selected subset of DAD or NACRS data elements. For DAD abstracts, 106 data elements will be provided; for NACRS abstracts, 55 data elements will be provided. Included in the files are the data elements that are key linking variables and grouping methodology output variables (CMG number, major clinical category [MCC] number, RIW, etc.). The files can be linked to abstract data in hospital systems using the key linking variables. The text files are in tab-delimited ASCII format and have been zipped; the layout is outlined below. Please note that the linking variables are marked with an asterisk (*): variables 1 to 5 for DAD and variables 1 to 4 for NACRS.



DAD CMG+ and CACS file layout

Field number	Data element	Field number	Data element
1	Reporting Institution Number (Province plus Institution Number)*	2	Fiscal Year*
3	Fiscal Period*	4	Batch Number*
5	Abstract Number*	6	Institution Type
7	DAD Transaction ID	8	Chart Number
9	Gender	10	Date of Birth
11	Register Number	12	Entry Code
13	Discharge Date	14	Discharge Time
15	Total LOS	16	Institution To
17	Institution From	18	Most Responsible Diagnosis
19	Principal Intervention	20	Discharge Disposition
21	Methodology Year	22	Methodology Version
23	MCC	24	CMG
25	CMG Return Code	26	MCC Partition
27	Comorbidity Level	28	Comorbidity Total Factor
29	CMG Age Category	30	Flagged Intervention Status
31	Intervention Event Count	32	Intervention OOH Factor Count
33	CMG Intervention	34	CMG Intervention Status
35	CMG Intervention Location	36	CMG Intervention Extent
37	CMG Intervention Episode	38	Diagnosis Used for CMG Assignment
39	RIW	40	ELOS
41	RIW Inpatient Atypical Code	42	Resource Intensity Level
43	Resource Intensity Total Factor	44	Trim Days
45	FI Cardioversion Flag	46	FI Cell Saver Flag
47	FI Chemotherapy Flag	48	FI Dialysis Flag
49	FI Heart Resuscitation Flag	50	FI Invasive Ventilation ge 96 Hours Flag
51	FI Invasive Ventilation lt 96 Hours Flag	52	FI Feeding Tube Flag



Bulletin

Field number	Data element	Field number	Data element
53	FI Paracentesis Flag	54	FI Parenteral Nutrition Flag
55	FI Pleurocentesis Flag	56	FI Radiotherapy Flag
57	FI Tracheostomy Flag	58	FI Vascular Access Device Flag
59	FI Biopsy Flag	60	FI Endoscopy Flag
61	Comorbidity Count	62	MAC
63	CACS	64	CACS RIW
65	CACS Intervention	66	CACS Intervention Status
67	CACS Intervention Location	68	CACS Intervention Extent
69	CACS Partition	70	CACS Age Category
71	CACS Anaesthetic Code	72	CACS Investigative Technology Total Count
73	CACS Investigative Technology Category 1	74	CACS Investigative Technology Category 1 Count
75	CACS Investigative Technology Category 2	76	CACS Investigative Technology Category 2 Count
77	CACS Investigative Technology Category 3	78	CACS Investigative Technology Category 3 Count
79	CACS Investigative Technology Category 4	80	CACS Investigative Technology Category 4 Count
81	CACS Investigative Technology Category 5	82	CACS Investigative Technology Category 5 Count
83	CACS Investigative Technology Category 6	84	CACS Investigative Technology Category 6 Count
85	CACS Investigative Technology Category 7	86	CACS Investigative Technology Category 7 Count
87	CACS Investigative Technology Category 8	88	CACS Investigative Technology Category 8 Count
89	CACS Investigative Technology Category 9	90	CACS Investigative Technology Category 9 Count
91	CACS Investigative Technology Category 10	92	CACS Investigative Technology Category 10 Count
93	Admission Date	94	Admission Time
95	Acute LOS	96	Main Patient Service
97	Age Code	98	Age Units
99	Medical CMG	100	FI ECMO Flag
101	Typical Inpatient RIW	102	Admit Category
103	ALC LOS	104	MR Provider Number
105	Most Responsible Provider Service	106	Day Surgery Hours



NACRS CACS file layout

Field number	Data element	Field number	Data element
1	Reporting Institution Number (Province plus Institution Number)*	2	Fiscal Year*
3	Fiscal Period*	4	Abstract ID Number*
5	NACRS Transaction ID	6	Chart Number
7	Gender	8	Date of Registration/Visit
9	Registration/Visit Time	10	Main Problem
11	Main Intervention	12	Anaesthetic Technique
13	Visit Disposition	14	Mode of Visit
15	Ambulatory Care Type	16	Program Area
17	Methodology Year	18	Methodology Version
19	MAC	20	CACS
21	CACS RIW	22	CACS Intervention
23	CACS Intervention Status	24	CACS Intervention Location
25	CACS Intervention Extent	26	CACS Partition
27	CACS Age Category	28	CACS Anaesthetic Code
29	CACS Investigative Technology Total Count	30	CACS Investigative Technology Category 1
31	CACS Investigative Technology Category 1 Count	32	CACS Investigative Technology Category 2
33	CACS Investigative Technology Category 2 Count	34	CACS Investigative Technology Category 3
35	CACS Investigative Technology Category 3 Count	36	CACS Investigative Technology Category 4
37	CACS Investigative Technology Category 4 Count	38	CACS Investigative Technology Category 5
39	CACS Investigative Technology Category 5 Count	40	CACS Investigative Technology Category 6



Field number	Data element	Field number	Data element
41	CACS Investigative Technology Category 6 Count	42	CACS Investigative Technology Category 7
43	CACS Investigative Technology Category 7 Count	44	CACS Investigative Technology Category 8
45	CACS Investigative Technology Category 8 Count	46	CACS Investigative Technology Category 9
47	CACS Investigative Technology Category 9 Count	48	CACS Investigative Technology Category 10
49	CACS Investigative Technology Category 10 Count	50	LOS Hours
51	Age Code	52	Age Num
53	Submission Level	54	ED Discharge Diagnosis
55	CACS ED Intervention	—	—

If you have questions

If you have any questions regarding regrouped data, please contact the Case Mix team through the [eQuery tool](#) on our website.

If you require access to these reports, please submit a request for access to the Central Client Services team at help@cihi.ca.