



Regrouped Historical Data Dissemination: HIG and Ontario-Specific CACS

The Canadian Institute for Health Information (CIHI) is supporting the effective deployment and use of the Health Based Allocation Model (HBAM) funding methodology of the Ontario Ministry of Health and Long-Term Care (MOHLTC) under the Health System Funding Strategy. This support includes providing monitoring tools, such as historical data regrouped to the 2018 HBAM Inpatient Group (HIG) and Ontario-specific Comprehensive Ambulatory Classification System (CACS) weighting methodologies. Provision of these regrouped historical data files will ensure that historical time-series analyses derived from these methodologies are relevant and useful. The output of these methodologies will be utilized as direct input into the HBAM methodology.

This bulletin concerns the 2018 methodologies that are applied to acute and ambulatory care data: HIGs for inpatient Discharge Abstract Database (DAD) records and Ontario-specific CACS weights for National Ambulatory Care Reporting System (NACRS) records. This bulletin will inform Ontario clients about how to access and read these record-level historical files. For more information regarding HBAM, please visit the MOHLTC's [website](#).

Data dissemination

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.

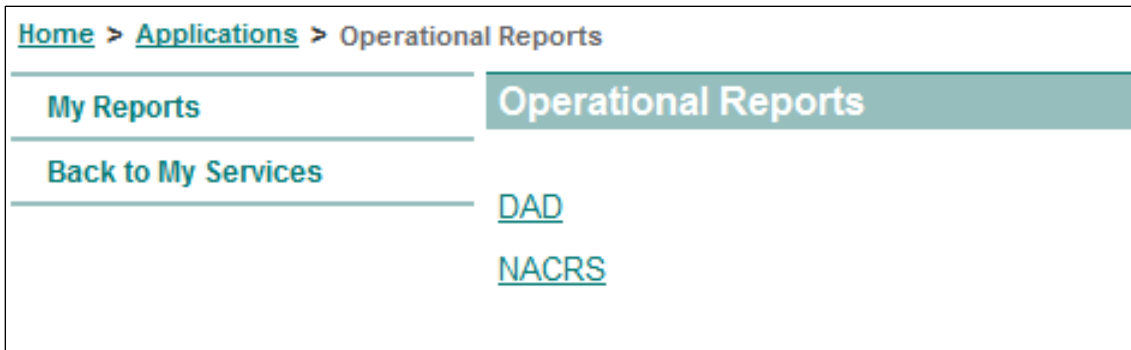
Clients who are unable to download the historical data within this time frame may submit a request to the Clinical Administrative Databases program area to regenerate and re-post it. Requests will be assigned a nominal fee of \$275 for each institution or facility number and each fiscal year being requested.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



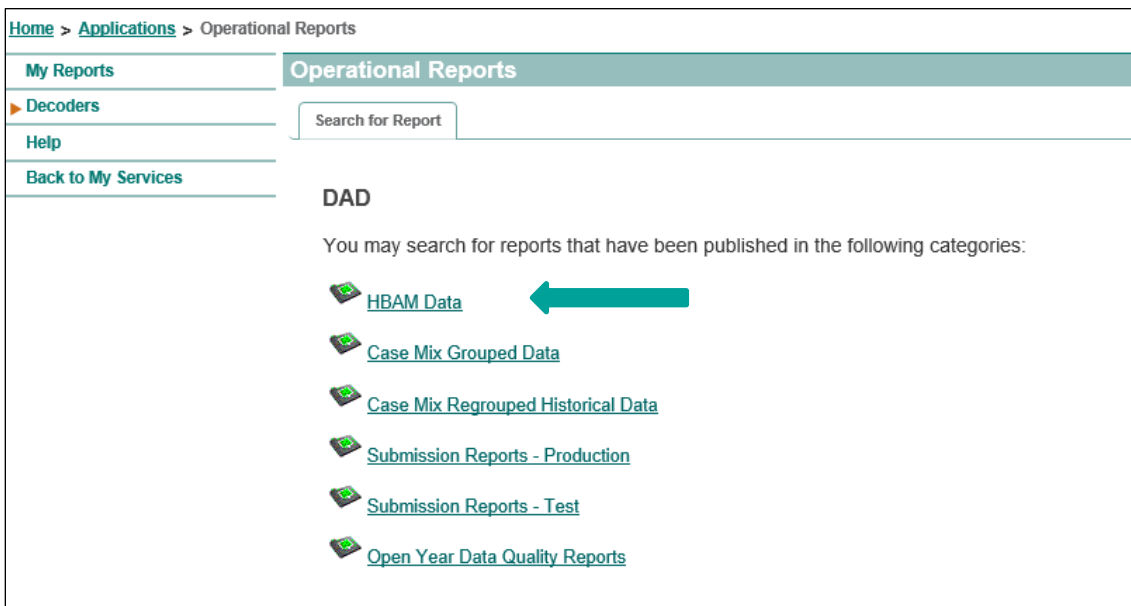


Bulletin

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 to **HBAM 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 files, 59 data elements will be provided; for NACRS files, 51 data elements will be provided. Included in the files will be the data elements that are key linking variables and grouping methodology output variables (HIG and CACS groups, weights, 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 asterisks (*): variables 1 to 7 for DAD and variables 1 to 6 for NACRS.



DAD HIG file layout

Field number	Data element	Field number	Data element
1	Reporting Institution Number*	2	DAD Transaction ID (unique identifier, CIHI-defined field)*
3	Fiscal Year*	4	Fiscal Period*
5	Batch Number*	6	Abstract Number*
7	Chart Number*	8	Gender
9	Age Code	10	Age Units
11	Admission Category	12	Entry Code
13	Discharge Date	14	Total Length of Stay
15	Acute Length of Stay	16	ALC Days
17	Institution To	18	Institution From
19	Provider Number	20	Provider Service Code
21	Main Patient Service	22	MRDx
23	Principal Intervention Code	24	Methodology Year
25	HIG Code	26	Comorbidity Level Code
27	HIG Atypical Status	28	HIG Weight
29	HIG ELOS Days	30	HIG Age Category
31	Interv Event CNT Code	32	HIG FI Total Count
33	FI Cardioversion Flag	34	FI Cell Saver Flag
35	FI Chemotherapy Flag	36	FI Dialysis Flag
37	FI Heart Resuscitation Flag	38	FI Invasive Ventilation GE96 Flag
39	FI Invasive Ventilation LT96 Flag	40	FI Feeding Tube Flag
41	FI Paracentesis Flag	42	FI Parenteral Nutrition Flag
43	FI Pleurocentesis Flag	44	FI Radiotherapy Flag
45	FI Tracheostomy Flag	46	FI Vascular Access Device Flag
47	HIG OOH Flag	48	HIG SCU Flag
49	HIG Homecare Flag	50	HIG Long Stay Trim Days



Field number	Data element	Field number	Data element
51	HIG Short Stay Trim Days	52	HIG Maternal Age Flag
53	Provincial Region Code	54	Provincial Region Name
55	Medical CMG	56	FI ECMO Flag
57	Typical Inpatient RIW	58	FI Status
59	HIG per Diem Factor	—	—

NACRS CACS file layout

Field number	Data element	Field number	Data element
1	Reporting Institution Number*	2	Fiscal Year*
3	Fiscal Period*	4	Abstract ID Number*
5	NACRS Transaction ID (AM CARE KEY)*	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 Ontario-Specific Weight	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



Field number	Data element	Field number	Data element
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
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	Provincial Region Code
51	Provincial Region Name	—	—

If you have questions

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

If you have questions regarding the new HBAM methodology, please contact the MOHLTC by email at hbam@ontario.ca.

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