

Cúram 8.2.2

**Business Intelligence and Analytics
for Cúram Child Services Guide**

Note

Before using this information and the product it supports, read the information in [Notices on page 13](#)

Edition

This edition applies to Cúram 8.2.2.

© Merative US L.P. 2012, 2026

Merative and the Merative Logo are trademarks of Merative US L.P. in the United States and other countries.

Contents

Note..... iii

Edition..... v

1 Business Intelligence and Analytics for Child Services..... 9

 1.1 Reporting Schema..... 9

 1.2 ETL Infrastructure..... 9

 1.3 Business Process..... 10

 1.4 Representative Analyses..... 10

 Additional Analysis..... 11

 1.5 Configuring Reports..... 11

Notices..... 13

 Privacy policy..... 14

 Trademarks..... 14

1 Business Intelligence and Analytics for Child Services

Business Intelligence and Analytics for Child Services consists of three main parts. It includes a domain-specific reporting schema that models child welfare business processes. It also contains an Extract, Transform, and Load (ETL) infrastructure for staging, manipulation, and final presentation of the data, and business processes that define the data that is used in the solution.

Business Intelligence and Analytics for Child Services supports child welfare-specific reporting and provides options for configuring the reports.

1.1 Reporting Schema

The Business Intelligence and Analytics module contains a domain-specific schema that models child welfare processes of interest to business intelligence users.

The Business Intelligence and Analytics schema is composed of three tiers.

- Staging tier
- Central Data Warehouse tier
- Data mart tier

The Cúram operational database is the source database from which the data is extracted.

1.2 ETL Infrastructure

ETL is the process that is used to extract data from the application databases and transfer it to the data mart schema.

The ETL infrastructure is composed of three tiers.

- **Staging tier**
The staging tier of the ETL transports data from a source (the Cúram operational database) to a staging area.
- **Central Data Warehouse tier**
When the staging area is populated with data, by running the central ETL, data is pulled into the central data warehouse. Business logic is applied and data is manipulated.
- **Data mart tier**
The data mart tier is the final stage of the Business Intelligence and Analytics repository. Data is transformed into dimensional format, and de-normalized to support ease of use and to ensure that the data is easier to model by cube builders and report builders.

1.3 Business Process

The Business Intelligence and Analytics schema supports the generation of reports that relate to the safety, well-being and stability of children to promote their welfare.

Listed is a sample of data elements and their values that are included in Business Intelligence and Analytics for the solution.

- Contact Type - Foster Home visit, Home visit, Office Visit, Site Visit.
- Contact Purpose - Alleged Victim Contact, Case Planning Entry.
- Contact Frequency - Monthly, Weekly.
- Removal Date - Date child was removed from their parents and/or Guardian.
- Placement Type - Foster Care, Adoption, Runaway, Trial Home Visit.
- Placement Date - Date child was placed in an out-of-home placement, for example, foster parent.

1.4 Representative Analyses

Based on the key performance indicators for business intelligence and analytics that are implemented, a number of reports are supported so that analysts can report on contact compliance for child welfare.

Initial Contact Compliance

This type of analysis evaluates the timeliness of initiating investigations on reports of child maltreatment. The date of initial contact with the alleged victim is the primary measurement to support compliance based on the priority that is assigned to the investigation from the intake process. The report would provide an analyst with a view of the organization's initial contact compliance as mandated by federal, provincial, state, or other local statutes.

Initial Contact Reporting Compliance

This type of analysis evaluates the timeliness of reporting by an investigator about initial contact with the alleged victim (investigation initiation). The entry date of the initial contact record is the primary measurement to support reporting compliance based on the priority that is assigned to the investigation from the intake process. The report would provide an analyst with a view of the organization's reporting (documentation) compliance as mandated by federal, provincial, state, or other local statutes.

Ongoing Contact Compliance

This type of analysis evaluates the timeliness of recurring contacts with children being monitored by the organization. The date of contact with the child is the primary measurement to support compliance based on an identified frequency. For example, monthly contact for children in care versus every six months for children not in care). The report would provide an analyst with a

view of the organization's ongoing contact compliance as mandated by federal, provincial, state, or other local statutes.

Ongoing Contact Reporting Compliance

This type of analysis evaluates the timeliness of reporting by the caseworker about contact with a child. The entry date of the contact record is the primary measurement to support reporting compliance based on the frequency identified for the child. The report would provide an analyst with a view of the organization's reporting (documentation) compliance as mandated by federal, provincial, state, or other local statutes.

Additional Analysis

Based on national outcome standards for child welfare, further analysis demonstrates the types of analytics that can be developed with additional licensing

Placement Stability

This type of analysis evaluates the stability of a child in placement by presenting the number of children in care based on the length of time with a single provider. Most organizations strive to reduce the number of disruptions for a child that requires alternative care, for example, foster care. The analysis would provide an analyst with a view of the effectiveness of placement resources for the organization and (potentially) allow identification of problematic areas of child placement stability.

Maltreatment Recurrence

This type of analysis evaluates the incidents of maltreatment recurrence (recidivism) among children involved with the organization. It presents the number of children for whom more than one report of maltreatment occurred in a six-month period from the initial report of maltreatment. Most organizations strive to reduce the recurrence of maltreatment for a child. This analysis provides an analyst with a view of the effectiveness of services and resources that are provided to the child or family by the organization. It also potentially allows for the identification of problematic areas of effectiveness.

1.5 Configuring Reports

Administrators can configure options as part of the solution's implemented business intelligence and analytics.

Configuring Contact Compliance

Administrators can configure initial contact and ongoing contact compliance parameters such as frequency and compliant contact types by using functionality in the Cúram Family Services Suite (CFSS). For example, an administrator can define the contact frequency required by the placement type of a child in care. Administrators can configure these options in the Family Services section of the administration application.

Configuring Maltreatment

Currently, the window that is defined for an instance of maltreatment recurrence is a new incident within a six month timeframe. Administrators can change the default value (6) by editing the `ALLEGATION_COUNTBACK_WINDOW` parameter in the `DW_CONFIGPROPERTIES.csv` file, which is located in the `data_manager` directory.

The `CCS_ABS_MALTREATMENT_AVERAGE` parameter, that is available in the same file, represents the target average and can be used for comparative purposes.

The `curam.childseices.businessreports.admin.maltreatmentrecurrence.start` date application property represents the start date of the maltreatment recurrence report. The format is `yyyy-mm-dd`.

Configuring the Number of Days in Placement

Currently, any initial placement less than eight days is not included in the count of active placements. This configuration is managed in the Business Intelligence section of the system administration application.

The application property `curam.childservices.businessreports.admin.displacement` represents the number of days in placement.

Notices

Permissions for the use of these publications are granted subject to the following terms and conditions.

Applicability

These terms and conditions are in addition to any terms of use for the Merative website.

Personal use

You may reproduce these publications for your personal, noncommercial use provided that all proprietary notices are preserved. You may not distribute, display or make derivative work of these publications, or any portion thereof, without the express consent of Merative

Commercial use

You may reproduce, distribute and display these publications solely within your enterprise provided that all proprietary notices are preserved. You may not make derivative works of these publications, or reproduce, distribute or display these publications or any portion thereof outside your enterprise, without the express consent of Merative.

Rights

Except as expressly granted in this permission, no other permissions, licenses or rights are granted, either express or implied, to the publications or any information, data, software or other intellectual property contained therein.

Merative reserves the right to withdraw the permissions granted herein whenever, in its discretion, the use of the publications is detrimental to its interest or, as determined by Merative, the above instructions are not being properly followed.

You may not download, export or re-export this information except in full compliance with all applicable laws and regulations, including all United States export laws and regulations.

MERATIVE MAKES NO GUARANTEE ABOUT THE CONTENT OF THESE PUBLICATIONS. THE PUBLICATIONS ARE PROVIDED "AS-IS" AND WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY, NON-INFRINGEMENT, AND FITNESS FOR A PARTICULAR PURPOSE.

Merative or its licensors may have patents or pending patent applications covering subject matter described in this document. The furnishing of this documentation does not grant you any license to these patents.

Information concerning non-Merative products was obtained from the suppliers of those products, their published announcements or other publicly available sources. Merative has not tested those products and cannot confirm the accuracy of performance, compatibility or any other claims related to non-Merative products. Questions on the capabilities of non-Merative products should be addressed to the suppliers of those products.

Any references in this information to non-Merative websites are provided for convenience only and do not in any manner serve as an endorsement of those websites. The materials at those

websites are not part of the materials for this Merative product and use of those websites is at your own risk.

This information contains examples of data and reports used in daily business operations. To illustrate them as completely as possible, the examples include the names of individuals, companies, brands, and products. All of these names are fictitious and any similarity to actual people or business enterprises is entirely coincidental.

The licensed program described in this document and all licensed material available for it are provided by Merative under terms of the Merative Client Agreement.

COPYRIGHT LICENSE:

This information contains sample application programs in source language, which illustrate programming techniques on various operating platforms. You may copy, modify, and distribute these sample programs in any form without payment to Merative, for the purposes of developing, using, marketing or distributing application programs conforming to the application programming interface for the operating platform for which the sample programs are written. These examples have not been thoroughly tested under all conditions. Merative, therefore, cannot guarantee or imply reliability, serviceability, or function of these programs. The sample programs are provided "AS IS", without warranty of any kind. Merative shall not be liable for any damages arising out of your use of the sample programs.

Privacy policy

The Merative privacy policy is available at <https://www.merative.com/privacy>.

Trademarks

Merative™ and the Merative™ logo are trademarks of Merative US L.P. in the United States and other countries.

IBM®, the IBM® logo, and ibm.com® are trademarks or registered trademarks of International Business Machines Corp., registered in many jurisdictions worldwide.

Adobe™, the Adobe™ logo, PostScript™, and the PostScript™ logo are either registered trademarks or trademarks of Adobe™ Systems Incorporated in the United States, and/or other countries.

Oracle and Java are registered trademarks of Oracle and/or its affiliates.

The registered trademark Linux® is used pursuant to a sublicense from the Linux Foundation, the exclusive licensee of Linus Torvalds, owner of the mark on a worldwide basis.

Microsoft™, Windows™, and the Windows™ logo are trademarks of Microsoft™ Corporation in the United States, other countries, or both.

UNIX™ is a registered trademark of The Open Group in the United States and other countries.

Other company, product, and service names may be trademarks or service marks of others.