

Caboodle

Healthcare Data Warehouse

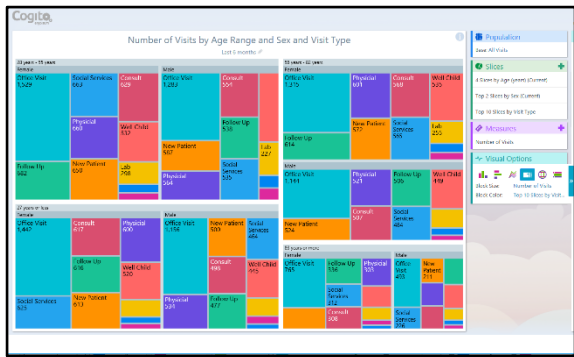
Caboodle, part of the Cogito Analytics suite, brings together your organization's data and organizes it into a trusted, governed, and standardized healthcare data model for faster and easier analytics.

Get Value from All Your Data

Caboodle is an open and interoperable platform that comes pre-packaged with over 500 integrated tables and 16,000 data fields for you to combine data from all over your organization. For your departments using Epic healthcare applications, data automatically populates in Caboodle's standard healthcare data model. More data elements are added every time you upgrade, and your analytics team also has the ability to easily expand and extend to new areas to grow as your organization grows, all done in an upgrade-safe way.

Built-in Data Visualization Engine

Data ingested into Caboodle can easily be visualized with SlicerDicer. SlicerDicer sits on top of all data in Caboodle and lets users create on-demand self-service reports without writing SQL or submitting a request. SlicerDicer is available in a web browser and is natively integrated into Epic application workflows.

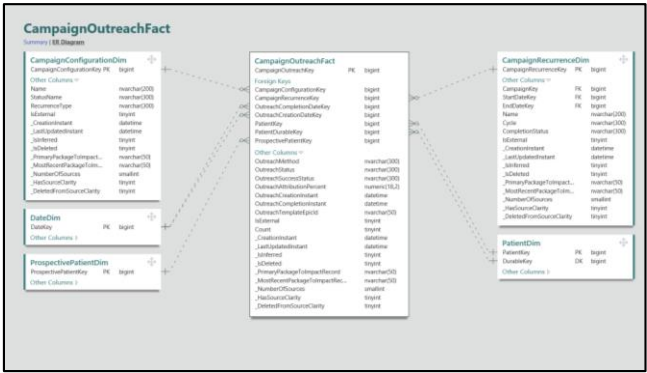


Integrated Data Dictionary

Caboodle's web-based Dictionary contains a 360-degree view of your data to help business intelligence developers understand the relationships between tables. The Dictionary automatically creates entity-relationship (ER) diagrams and supports searchable data lineage. Refer to the [Caboodle Data Models](#) document for supported data domains.

Data Lineage for Each Package		
Ambulatory Load		
SystolicBloodPressure	PAT_ENC_BP_SYSTOLIC	EPT 18001
Hospital Outpatient Load		

Data lineage for systolic blood pressure



ER diagram for Campaigns data model

Extend and Expand As You Grow

Caboodle allows you to safely extend existing tables and expand to new domains as your organization evolves. In total, Epic's applications generate more than 170,000 different data elements, and you can easily add any of them to Caboodle if the out-of-the-box data model doesn't contain the exact data element you need. Anything you add is preserved as you continue to take software updates to Caboodle.

Record Match		
in EmployeeDim (opened 05/31/2018 11:22:06)		
Merge Keep Separate		Defer
Compare Fields		
	EpicUserid, 012243	OtherData, 1
EmployeeKey	79	22503
Id	012243	1
EmployeeEpicId	012243	
Name	JAMESON, KIRSTEN	JAMESON, KIRSTEN
EmployeeNumber	*Not Applicable	ABCDE
Ssn		
BirthDate	NULL	02/03/1979
Sex	Female	Female
Address		123 Main St
City	VERONA	VERONA
StateOrProvince	WI	WI
PostalCode	53593	53593
PhoneNumber		123-456-7890
Email	kirsten@epic.com	kirsten@epic.com
EmploymentStartDate	NULL	01/01/2012
EmploymentEndDate	NULL	NULL
JobTitle	*Not Applicable	
HrDepartment	*Not Applicable	A

Data management check on employee records

Central Data Management

Caboodle's management Console allows you to ensure that data is loaded smoothly and accurately. The Console gives administrators a central location to schedule and monitor ETLs, regardless of data source. A built-in work queue helps administrators know what issues to follow up on, including data flagged by data management rules and ETL alerts. In addition, the Console includes tools for:

- Maintaining "**golden records**" from multiple source systems
- Monitoring **backfills**
- Managing **views**
- Creating **users** and assigning **security**

Integrate Enterprise Data Sets

Cogito maintains integrated connectors to some of the most important data sets generated outside of your organization as well as the ability to connect to additional business systems like time and attendance and enterprise resource planning (ERP). When you integrate with these non-Epic systems, you can load the data into Caboodle for a unified reporting experience. Here are some other example data sets you can access within Caboodle:

- **Patient experience**, like Press Ganey surveys. Analyze patient satisfaction, quality of care, provider performance, and department performance.
- **Cost accounting**, like Strata cost data. Cost information shows directly in clinical and revenue cycle applications and is summarized in Caboodle at the transaction and account level.
- **Claims**, including claims from commercial payers and CMS. Use the data for cost and utilization analysis, quality measures reporting, and out-of-network spending analysis. Claims are also matched to your existing patient population to drive attribution, improve machine learning, and close care gaps in your Epic EHR.

The screenshot displays a 'General Care Plan' with a status of '3 of 3'. A callout box indicates 'Attribution based on Claims data'. Below this, a 'Care Team' section lists two providers: Drew Walker, M.D. (PCP - General, Internal Medicine) and Tony E Kadil, M.D. (Consultant, Ophthalmology), both noted as having started 3 years ago. A 'Recent Visits' section shows a 'Hospital Encounter' on FEB 11 2019 by M.D. Corey Farrell. A final callout box states 'Informed by Claims'.

Longitudinal Plan of Care with claims data

Join Your Community Peers

Caboodle's analytical foundation supports your outcomes in value-based contracts, clinical quality, patient risk stratification, care gap management, and measure reporting. For examples of Epic community members' success with Caboodle, check out the [Caboodle Success Profiles](#) document.

Questions? Contact your Epic BFF or Analytics point person.