

## RDC/MDClone Data Document

The data loaded in MDClone data lake includes RDC data from 2010 to present.

- Clinical data is loaded into RDC from HDC (integrated view of BJC Healthcare and Wash U School of Medicine data).
- The data is refreshed monthly
- The facilities covered by the data are listed in section A below.
- The types of data are outlined in the table in section B below.
- Certain data is not available at all because they are not present in RDC. These limitations are included in the event data descriptions and in section D below.

**A. BJC Facilities:** Data includes activity associated with BJC locations as of 12/1/2023.

Visit Count	Facility	Full Name
112,418,215	BJC/Washington University	
43,821,563	BJC Medical Group	Barnes-Jewish Hospital and St. Louis Children's Hospital
27,648,816	Washington University	
20,655,796	BJH Parent Location	Barnes-Jewish Hospital
8,134,446	MBMC Parent Location	Missouri Baptist Medical Center
6,705,867	CH Parent Location	Christian Hospital
4,770,615	SLCH Parent Location	St. Louis Children's Hospital
3,603,209	BHC Parent Location	Boone Hospital Center
3,310,354	AMH Parent Location	Alton Memorial Hospital
3,070,230	BJWCH Parent Location	Barnes-Jewish West County Hospital
2,603,569	PHC Parent Location	Parkland Health Center Parent, Farmington, Bonne Terre
2,429,010	BJSPH Parent Location	Barnes-Jewish St. Peters Hospital, St. Charles County, St. Peters, Missouri
1,422,188	MBSH Parent Location	Missouri Baptist Sullivan Hospital
985,657	PWH Parent Location	Progress West Hospital, St. Charles County, O'Fallon, Missouri
687,693	MHB Parent Location	Memorial Hospital Belleville
500,682	MHE Parent Location	Memorial Hospital East
347,378	BJC Home Care Services	
12,169	BJC Behavioral Health	

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### B. **Types of data** currently available in the MDClone data lake:

Event Name	Description
<b>Medications ordered</b>	Medication ordered during inpatient stay (since 2000)
<b>Medications administered</b>	From Epic from Aug 2017 onwards. Available only as flag in the medications ordered if the medication was administered.  (Additional details such as time of administration is not available)
<b>Demographics static</b>	Patient details that do not change over time, such as date of birth, race, ethnicity, gender. Filter - Patients with a date of birth that is not null or not equal to '1900-01-01'
<b>Demographics event</b>	Patient details that can change over time such as, home(zipcode), marital status, employment status, religion, language. Filter - Patients with a date of birth that is not null or not equal to '1900-01-01'
<b>Death</b>	
<b>Visits</b>	Admission - occurred inpatient and observation visits  ED - occurred emergency visits  Visits (ambulatory) - occurred non admission and ED  All encounters – encounters of all types including scheduled (excluding cancelled)
<b>Conditions</b>	All coded conditions (back to 2000)  Physician-documented problems and coded diagnoses. Diagnoses are of 4 types, Final (and Final diagnosis) – these are the final billing diagnoses post discharge, admitting (inpatient) and reason for visit (outpatient) – based on what the patient presented with  Interim –patients admitted for > 30 days and interim claims are needed  Condition records without recorded date are set to 01/01/1900
<b>Procedures</b>	All billed procedures (back to 2000)
<b>Surgical details</b>	2017 - present (from Epic)
<b>Allergies</b>	Allergies data back to 2000  Allergy records without recorded date are set to 01/01/1900
<b>Social history</b>	Smoking and alcohol usage data (back to 2007)

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<b>Lab results</b>	Lab results data (back to 2000)
<b>Micro lab results</b>	Microbiology (culture) results (back to 2000)
<b>Measurements</b>	Clinical measurements (numeric or textual) such as vital signs, respiratory functional measurements, etc. Each measurement has a timestamp (back to 2000)
<b>Measurement – BP</b>	Groups together the systolic, diastolic, mean arterial pressure (as entered in source or calculated) and heart rate, measured within a 2 minutes time range.
<b>Measurement – BMI, Height, Weight -</b>	Max, min, avg of BMI, height, weight per patient grouped by visit date or measurement date (if no visit) (back to 2000)
<b>Lab Results - Microbiology Organism Susceptibility</b>	Information about the specimens and susceptibility (has data back to June 2018)
<b>Lab Results - Microbiology cultures</b>	Information about microbiology cultures (has data from June 2018 to Present)

### C. Null/Not Specified Values

In hierarchies and in the output file users may see one of three names related to empty fields or ‘not specified’ values:

- Null: means that the source data field is empty
- Not Specified (No Value): means that a categorical term in the hierarchy could not be specified because the source data field is empty.
- Not Specified: means that a categorical term in a hierarchy could not be specified even though the
- Pending review indicates new values to the data lake that have not been mapped – please report these to the I<sup>2</sup> helpdesk

### D. Known Data Limitations

- Administered, discharge and dispensed medications are not available
- Non- Billed procedures
- No pediatric procedures from Kiddos (through 2018)