

Common Data Model for Nonprofits ERD and How-to Guide

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Overview

The Common Data Model for Nonprofits (CDM) is an open source data schema designed to help nonprofits and their technology partners gain the benefits of data and application interoperability. The CDM contains commonly used, industry-specific entities and attributes to help customers and partners unify data across fundraising, constituent management, awards, program delivery, and impact tracking.

This documentation provides an overview of the key entities, attributes, relationships, and metadata included in the CDM.

Entities and Attributes

The CDM contains a number of attribute extensions to existing [Microsoft Common Data Model](#) entities as well as new entities. The prefix “msnfp” is used for all extensions that are unique to the CDM for Nonprofits.

In this document, concepts that are mapped to existing entities, such as Account or Addresses, have the name of the existing entity in the title as well.

Additional metadata on the entities and the attributes can be found by installing the CDM and using the Dynamics 365 metadata browser.

Learn more about:

1. The [Common Data Model for Nonprofits](#).
2. Microsoft's [Common Data Model](#).
3. Microsoft's [Nonprofit Offerings](#)

Entity Relationship Diagrams

The following conceptual entity relationship diagrams provide overviews of key entity relationships and examples in the Common Data Model for Nonprofits.

How to Model a Constituent



How to Model a Constituent

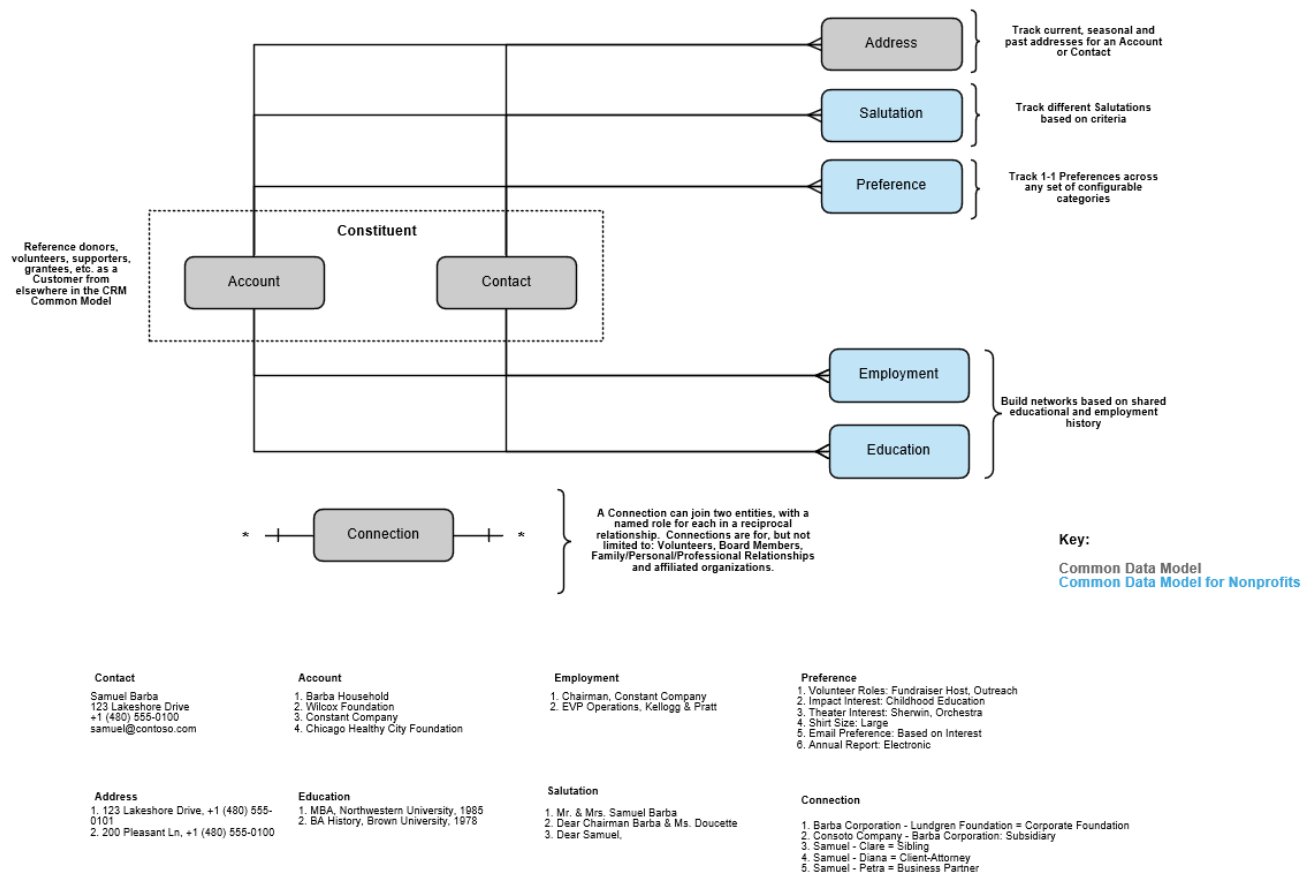


Figure 1: Diagram of How to Model a Constituent

How to Model Awards

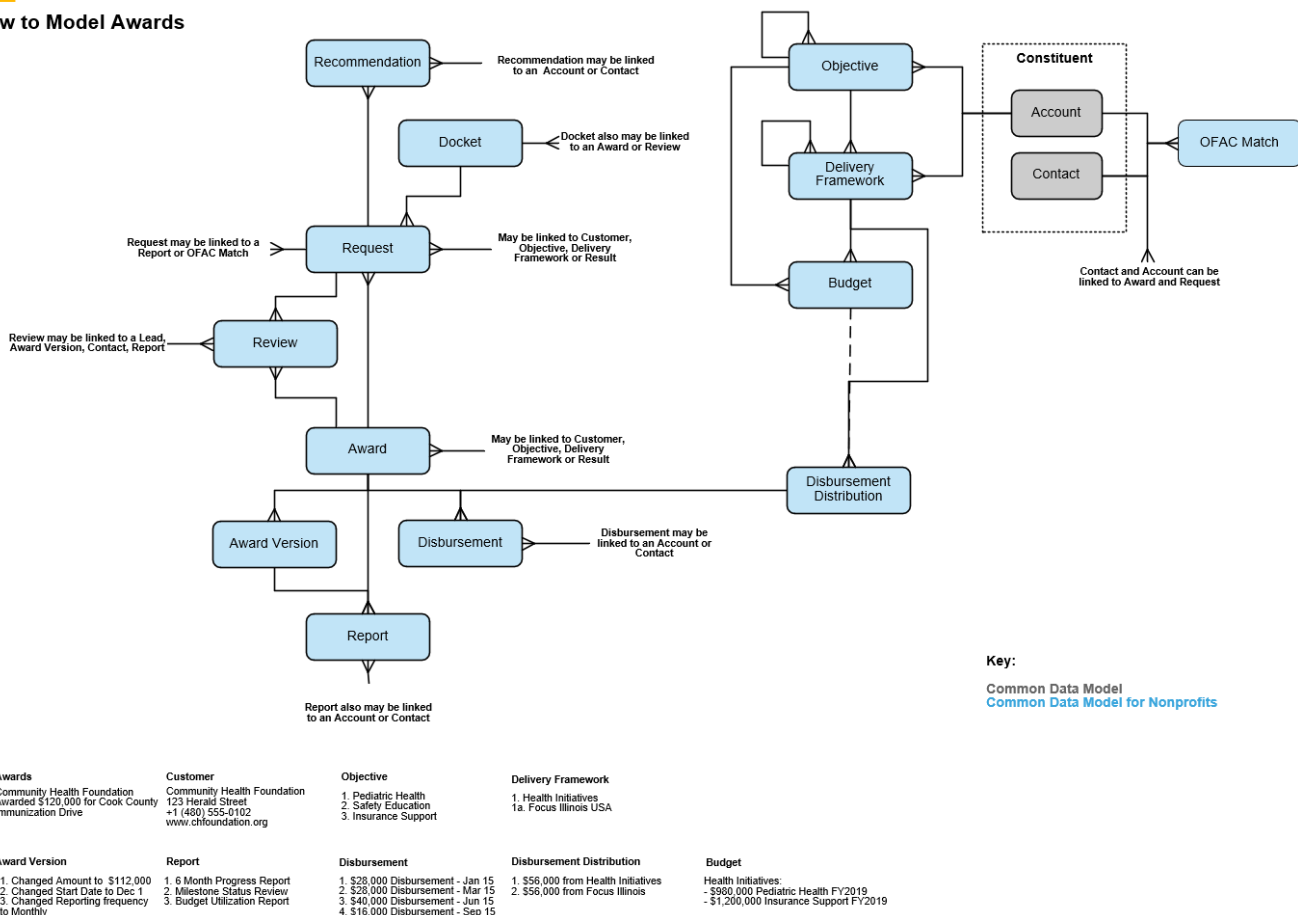
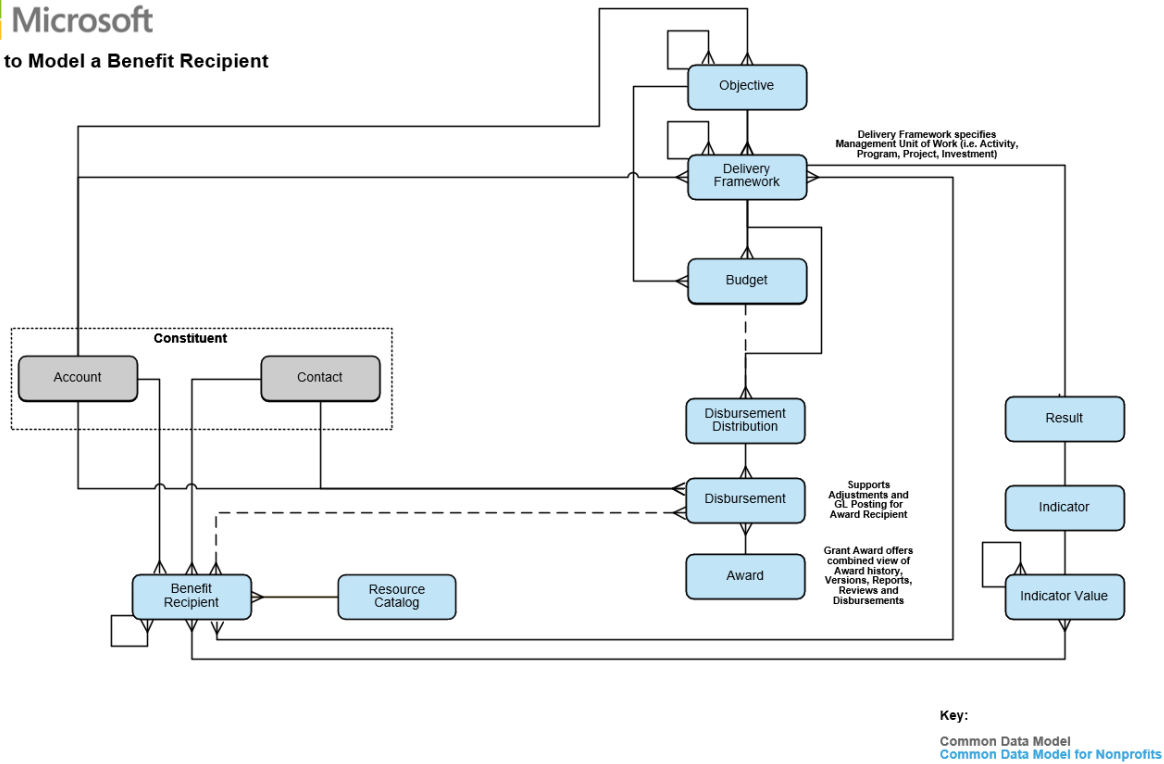


Figure 2: Diagram of How to Model Awards

How to Model a Benefit Recipient



How to Model a Benefit Recipient



Usage Scenario	Delivery Framework	Account	Contact	Disbursement	Indicator	Indicator Value	Benefit Recipient	Resource Catalog
Community Health Foundation	2019 Global Warming Monitoring	Baldwin Museum of Science	NULL	\$145000	Sea Surface Temperature	17C	Reskit Alliance of Anchorage	Delivery Partner
Awarded \$120,000 for Cook County	2019 Barba Family Food Pantry Support	NULL	Samuel Barba	\$11050	People Served	1	Petra Hale	Food Insecure
Immunization Drive	2019 Preservation of Contoso Beach	Friends of Contoso Beach	NULL	\$10000	Pounds of Debris Collected Per Mile (pd/mi)	162.3 pd/mi	Contoso Beach	Long Island Cost

Figure 3: Diagram of How to Model a Benefit Recipient

How to Model a Household



Common Data Model for Nonprofits How to Model a Household

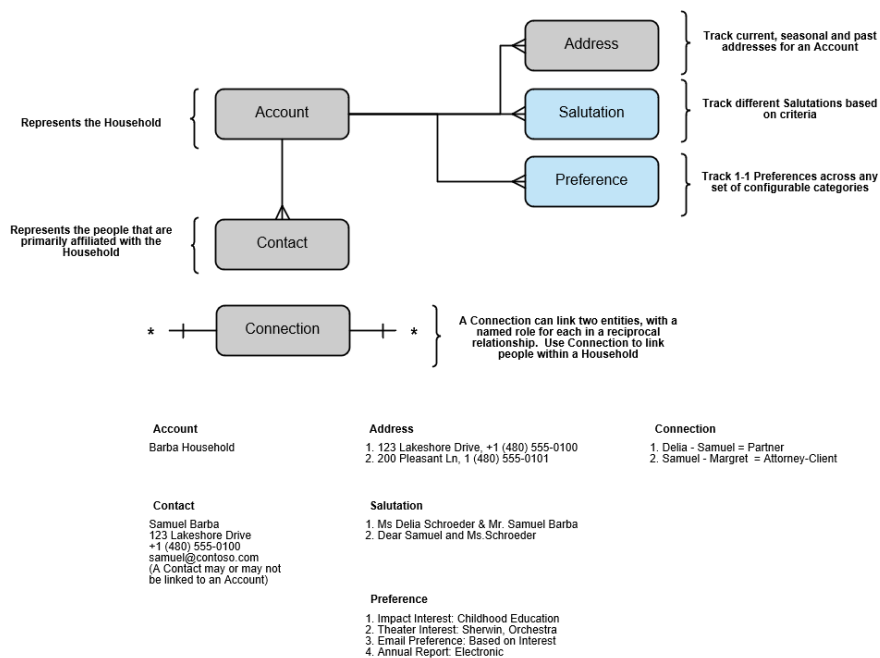


Figure 4: Diagram of How to Model a Household

How to Model an Organization



Common Data Model for Nonprofits How to Model an Organization

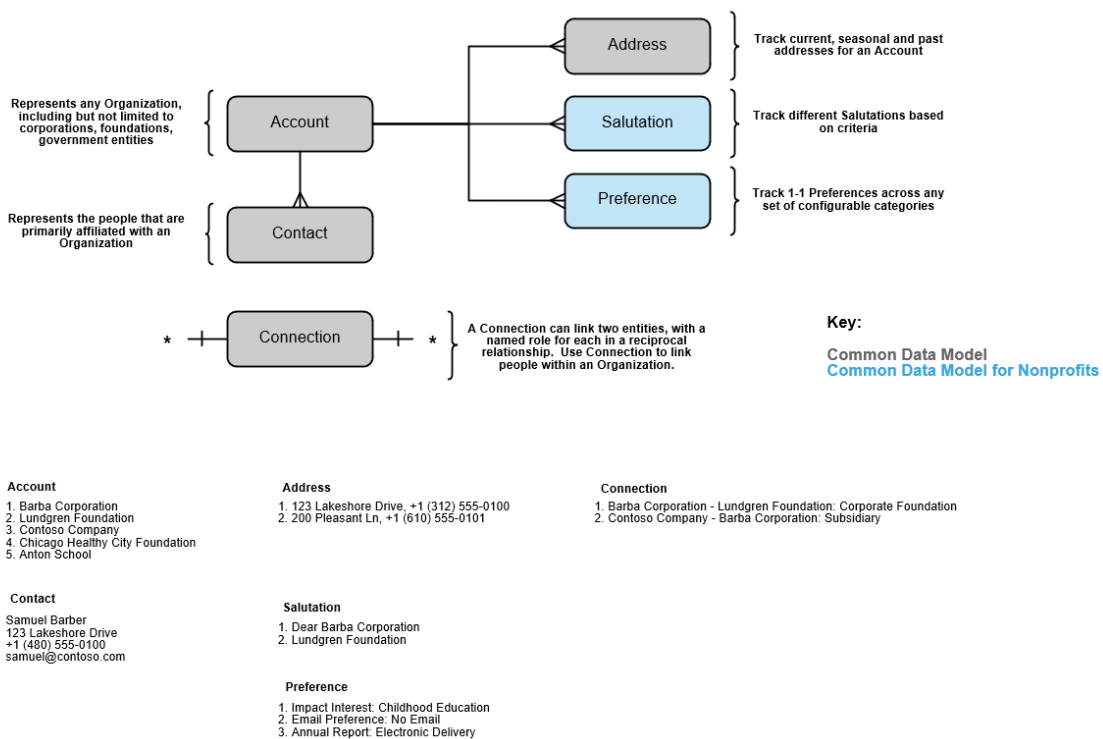


Figure 5: Diagram of How to Model an Organization

How to Model Membership



Common Data Model for Nonprofits How to Model Membership

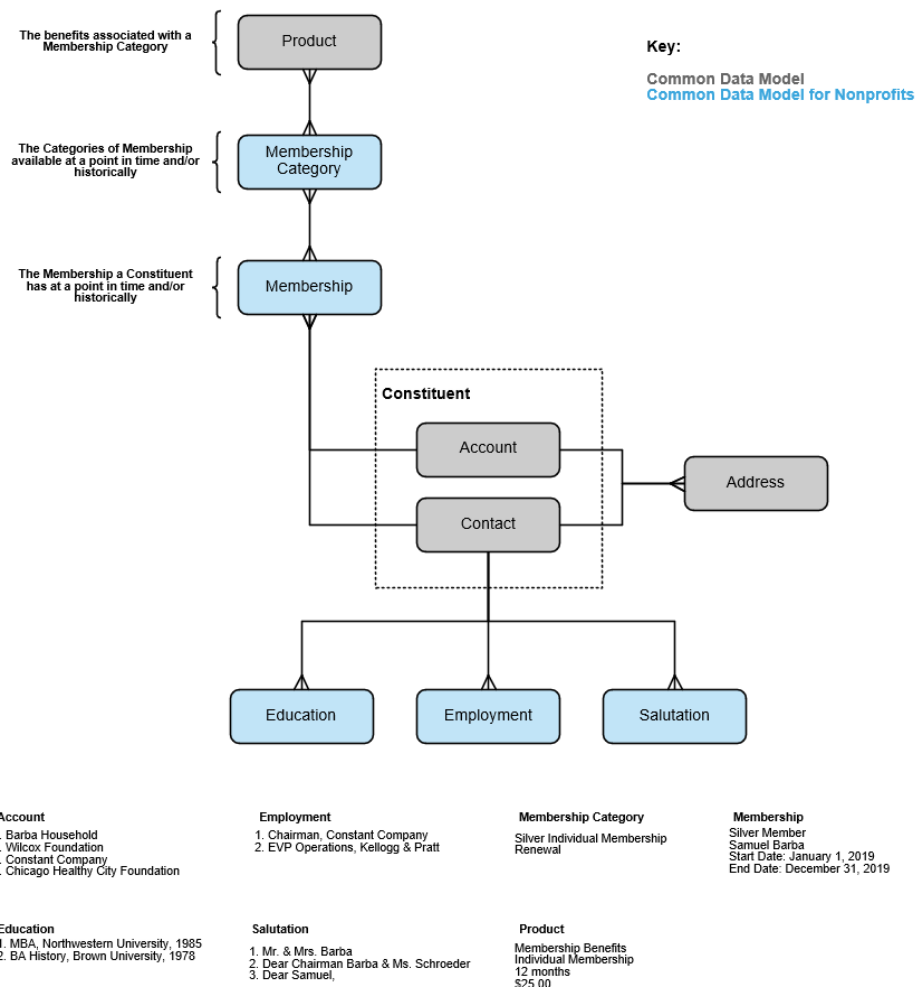


Figure 6: Diagram of How to Model Membership

How to Model Fundraising to Program Delivery



How to Model Fundraising to Program Delivery

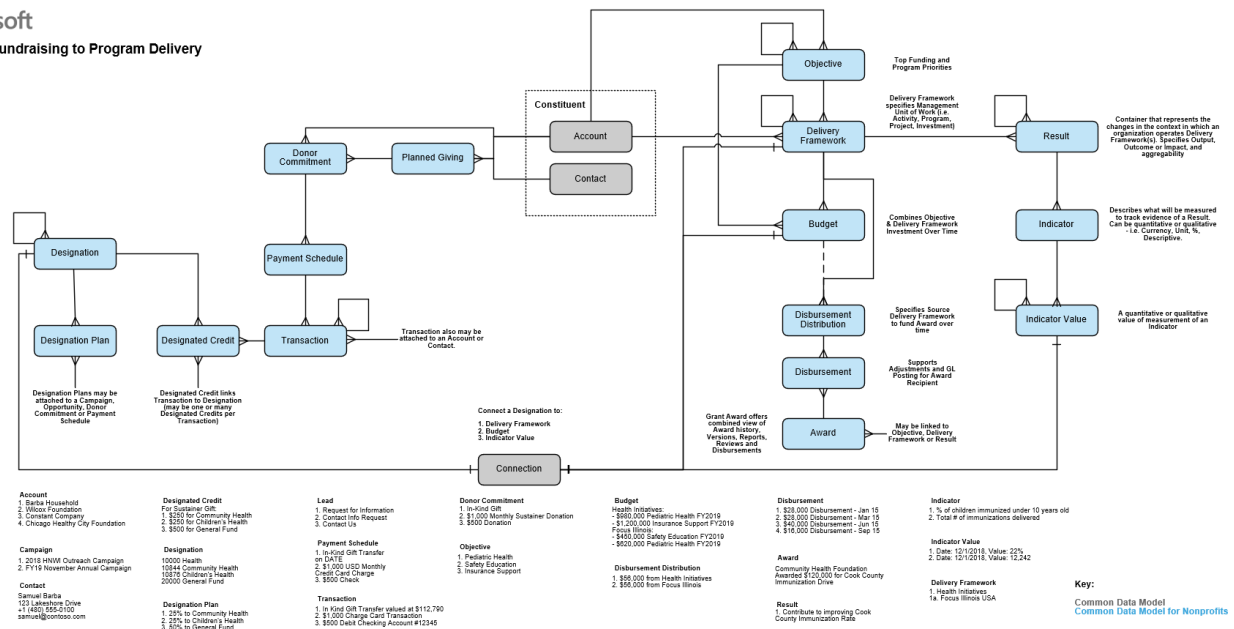


Figure 8: Diagram of How to Model Fundraising to Program Delivery

How to Model Program Delivery & Results



Common Data Model for Nonprofits How to Model Program Delivery & Results

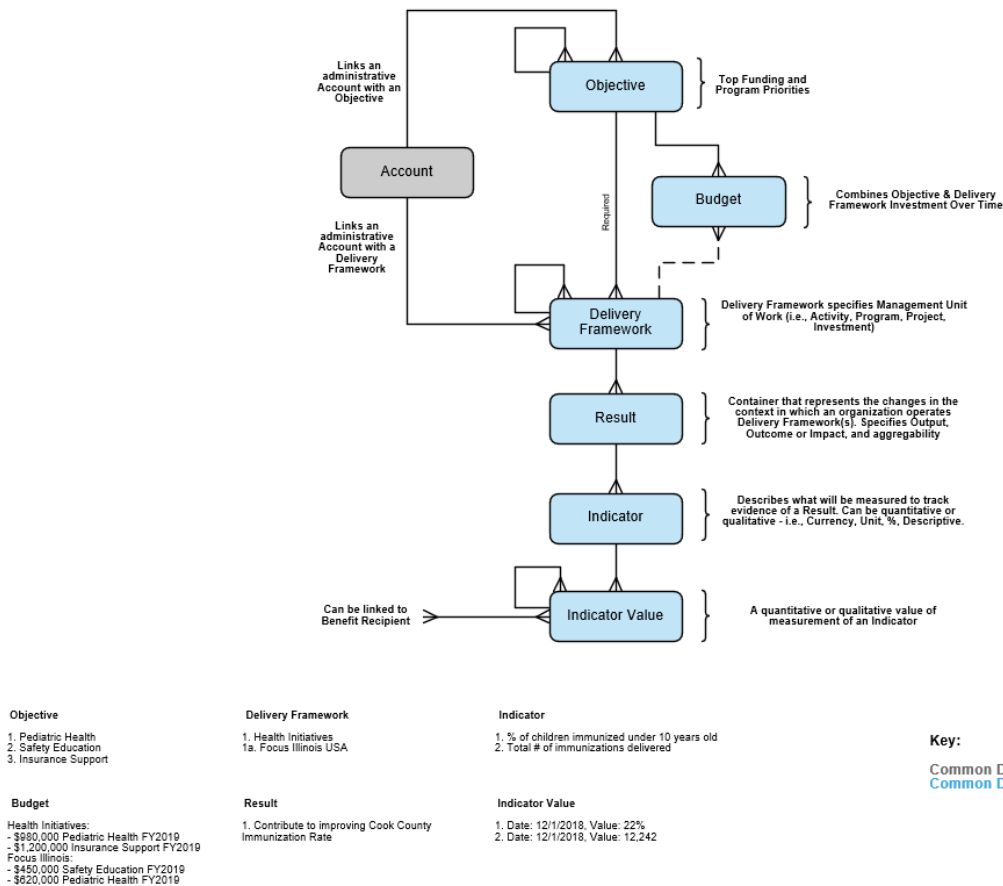


Figure 9: Diagram of How to Model Program Delivery and Results

How to Model Program Delivery to Constituent

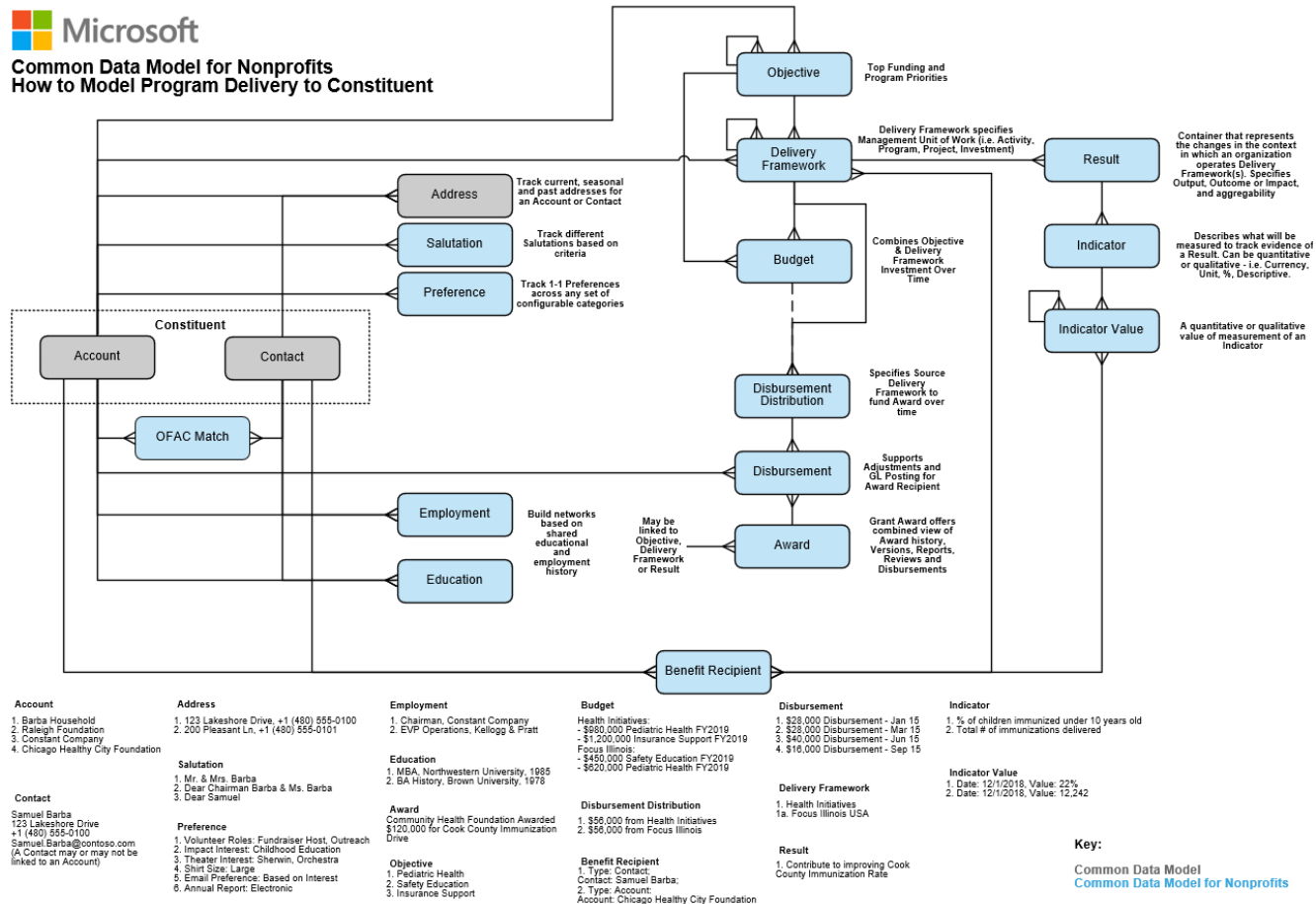


Figure 10: Diagram of How to Model Program Delivery to Constituent

How to Model Case Management



Common Data Model for Nonprofits How to Model Case Management

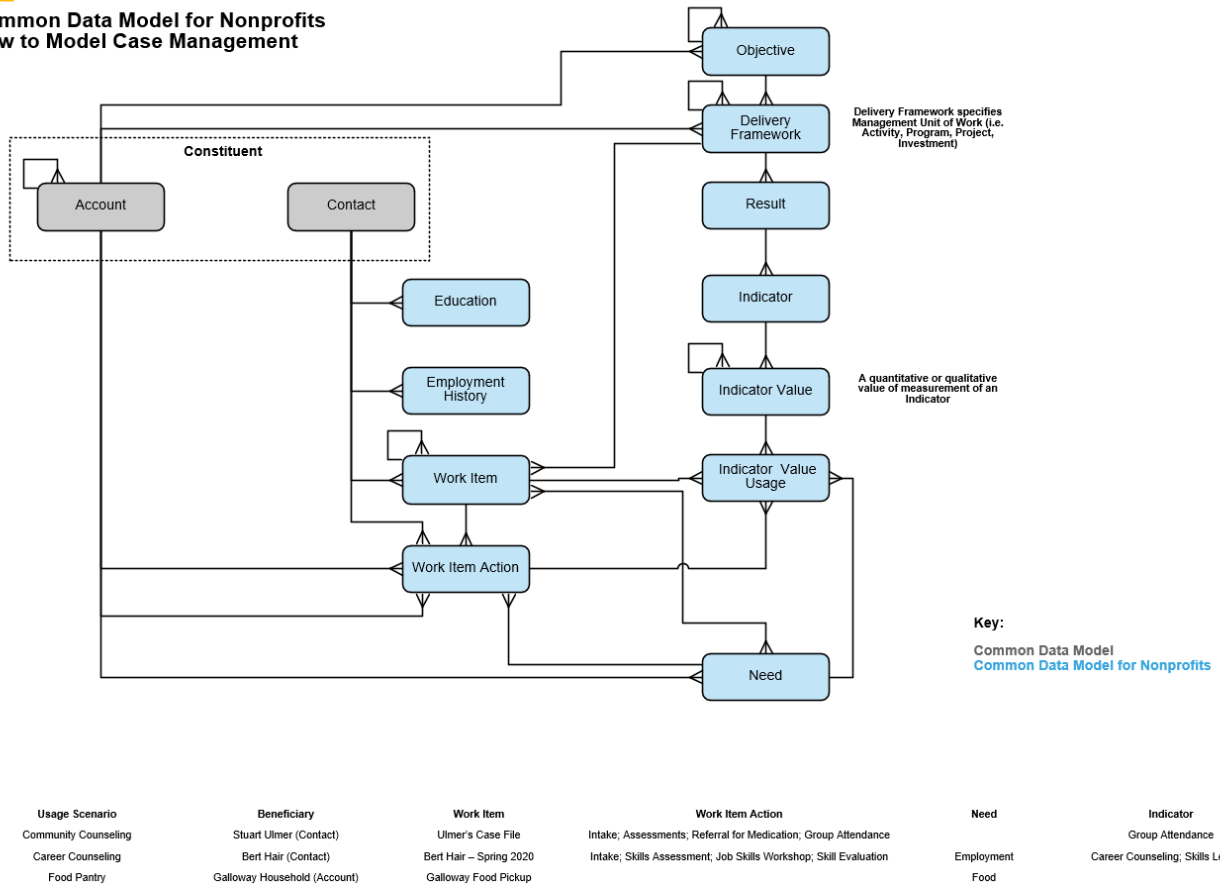


Figure11: Diagram of How to Model Case Management

How to Model Volunteer Management



Common Data Model for Nonprofits How to Model Volunteer Management

Key:

Common Data Model
Common Data Model for Nonprofits

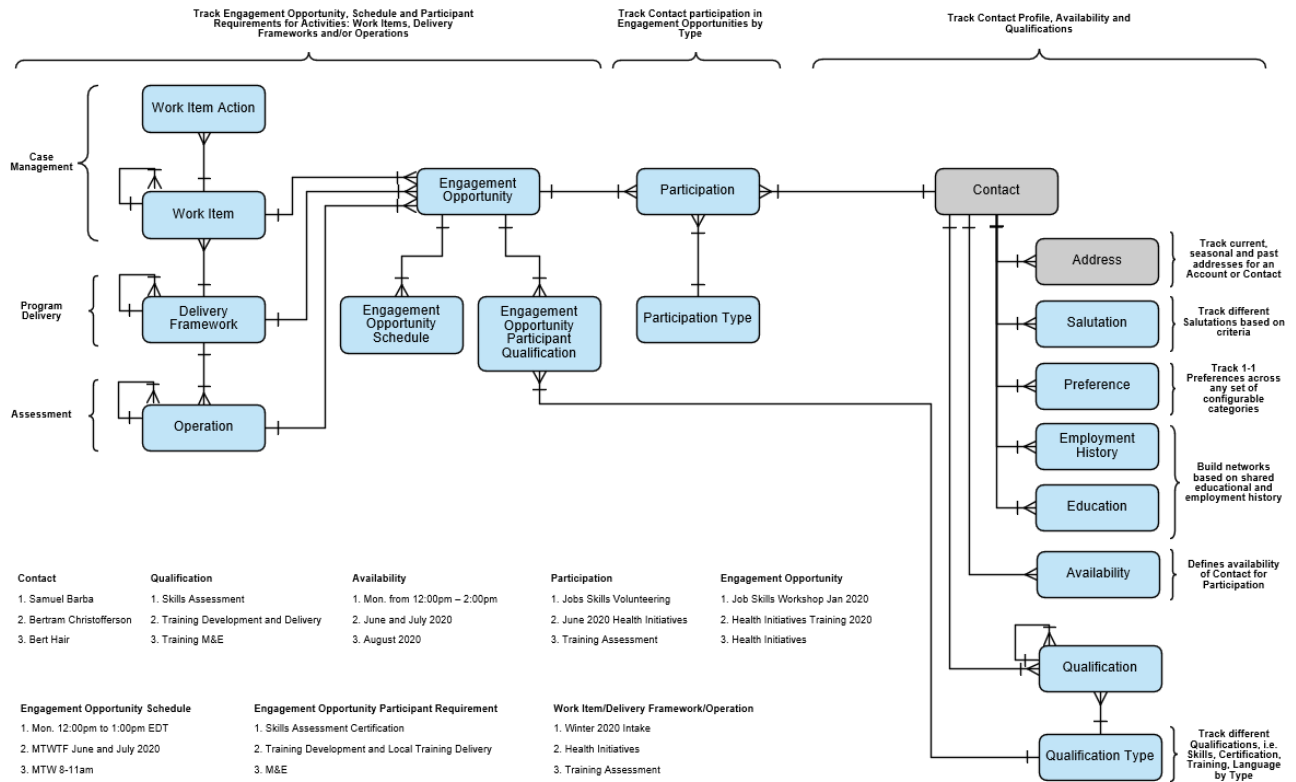


Figure 12: Diagram of How to Model Volunteer Management