



Mapper Quick Reference Card: Derived Variables

The screenshot shows the 'Edit Variables' window for 'INT_AESVsConMeds##1'. It features a table with columns: #, Cascade, Name, New Name, Data Type, Length, CT, and Label. The table lists variables like USUBJID, KeyValue, EventType, AETERM, CMTRT, and CMSTDY. A red box highlights the '+ Add Derived Variable' button. A red arrow points to the 'Click To Add' link in the 'Name' column of the last row. A 'Functions' dialog box is open, showing a list of functions like AddDays, AddTime, etc., and a 'T-SQL Expression' field. At the bottom, a status bar shows 'All Variables: 21, Selected: 9, Derived: 5'.

Derived Variables

You can create a “new” variable that is derived from the existing source data from the Edit Variables window. illuminate supports two different methods for creating these new variables:

- Built-In Functions
- SQL Code

To create a derived variable:

1. Click the next to the **variables** field in the properties. The **Edit Variables** window opens.
2. Click **Add Derived Variable**. A new variable will be added to the bottom of the variable list.
3. Click the **Click to Add** hyperlink to edit the field. You can then use one of the standard **Functions** or access a T-SQL box where you can type the SQL for the derived value manually.

Note: Badges show count of All Variables – Selected - and Derived.

Built-In Functions

When you click the Click to Add button to access the derived variables details, it defaults to the Function tab. A list of available functions and how they work is available in the Online help.

1. Select the function you want to use.
2. Select the field or fields needed for the function, and / or enter the details in the fields that appear on the right.
3. Click the green check to save your selections.

T-SQL Functions

To create a function with SQL:

1. Click the **T-SQL Expression** tab.
2. Enter the T-SQL needed to create the function. You can copy and paste the code from another application if needed. This can be useful to preserve whitespace and make the code easier to read.
3. Click the **green check** to save your selections.