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**Current Sources:**

* MTM -> SQLDW.Compliance.ODSBase.PatientPhoneNumber and ODSBase.PatientDetail/ SQLDW.Utility.dbo.MRMtoMTMPhoneNumbersMapping
* MRM/STARS – P10PRDSDE002.StarsConnect.phones and StarsConnect.patients
* MTM (Parameters) – ETLAutomation.dbo.ClientParameters (Name = MTMAndMRM and Value must be 1 to be used)

SSIS is used as a bridge between the two databases. The package location is here: G:\artifacts\prod\com.pharmmd.com.StarsPhonesToMTM

The biggest “problem” we are dealing with is the two systems have different PMDPatientIDs so we have to use a sort of composite type key to match up patients between the two systems. We use an SSIS merge join on the following fields to make the match

* First name
* Last name
* PMDClientID (which DOES match between systems)
* DOB
* MemberID from STARS to match up to a particular column in the Patient table dependent on client (MatchKeyUniquePatient, Cardholder\_ID, etc.)

Once the data is aggregated and matches found the data is loaded to a table in the Utility databases on SQLDW (MRMtoMTMPhoneNumbersMapping). This is a complete listing of all patient level matches (with the MRM phone number)

Next, some data cleaning happens. We look for valid phone numbers, valid phone numbers, lengths, etc.

Now the fun starts. We take the data from our “Mapping” table above and compare it to what is currently in the MTM Phone Number ODS. Anything that does not exist (and has an actual patient in the MTM ODS), gets a value of 1 attached to the column “NumberNeedsLoading”.

The last step – take all “NumberNeedsLoading” numbers and put them into the ODS. A value of getdate() gets populated into the OtherFirstSeenOn column to semi-identify the original source.

Voila…the next time the process is run the “Mapping” table is truncated and reloaded with fresh data so we have a clean compare slate.

NOTE: There may not always be numbers to add.