# Schema

The data warehouse schema is loaded asynchronously to facilitate reporting. Example tables include:

'drugTable’, ’drugSummary’, ’cd4Table’,’pepfarTable’, 'patientStatusTemp’, dw\_nutrition\_snapshot, dw\_tb\_snapshot

These tables are used to enhance reporting functionality and performance. They are updated and calculated in off-hours so that report requests during peak transaction hours return immediately.

The tables above have been part of the iSanté schema for many years. In contrast, as the indicator interface has matured, a standardized indicator schema has emerged. The indicator schema is a natural complement to the traditional warehouse schema – it includes a standard set of tables for a number of subject areas, currently including:

* malaria
* nutrition
* tuberculosis
* hivstatus
* healthqual (future)
* ob-gyn (future)
* PMTCT (future)
* pediatrics (future)
* data quality (future)

These tables all begin with a dw\_ prefix. Each indicator subject area has a separate set of tables, substituting the subject **key** (tb, nutrition, malaria, etc) in the table names:

dw\_**key**\_snapshot

dw\_**key**ReportLookup

dw\_**key**\_patients

dw\_**key**\_slices

# User Interface

The data warehouse user interface needs to be a stand-alone product. At present, we are considering the product ExpressoLogic (expressologic.com) to meet the following needs:

* Simple interface that automatically joins tables appropriately and displays the indicator hierarchy in a friendly way
* Easily add new views
* Display and modify indicator calculations easily
* Automatically generate snapshot tables based on transaction data