Advanced SmarTrack

This session covers advanced SmarTrack Indicator and Profile reporting features. Learn how to define unique Indicator qualifying criteria and how to make the most out of the Crosstab and Provider reference functions. Discover special report settings and features used to improve the presentation of multi-facility data. A demonstration will also be provided on the use of Days at Risk Indicators to total the number of days that patients met qualifying conditions as well as how to use these Indicators in a rate.

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Post-Symposium Availability

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The presentations will be available online in PDF format. Copies of presentations in native PowerPoint format are not generally available.

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Agenda

- Using Non-Data Entry SmarTrack Variables
  - Variables that Traverse into a Dictionary
  - Variables that Calculate Elapsed Days Between Existing Date Fields
  - Other Background Variables
- Adding or Subtracting Indicators in a Rate
  - Simple Addition or Subtraction within the Numerator
  - Complex Addition or Subtraction within a Rate
- Creating Variables with Complex Qualifying Conditions
  - Using “Does Not Have Value”
  - Complex Record Exclusion
Using Non-Data Entry SmarTrack Variables

SmarTrack can access data that is not directly entered into the system by users or interfaces. These fields (such as ENCOUNTER: Days Since Last Encounter) allow users to analyze hospital processes using information beyond that which is displayable in the data entry forms.

**Goal:** A count of all Encounters in which the patient’s discharge date was more than twenty-four hours after the Hospital Case Management Discharge Planning Discharge Date. To facilitate a root cause analysis, the count should be broken down by Discharge Physician and by HCM Discharge Planning Case Worker. (See Appendix A for a list of Crosstabs available in Midas+ Care Management 7.0 and a partial list of Crosstabs that will be available in Midas+ Care Management 7.1.)

![Indicator Definition - Count](image)

See Appendix B for a partial list of Non-Data Entry SmarTrack Variables.
Adding or Subtracting Indicator Values

If you would like to add or subtract the values of two or more previously defined Indicators without computing a ratio, complete the **Numerator** field on the Indicator Definition - Rate form, and leave the **Denominator** field blank.

- In the **Numerator** field, enter the Indicators that you want to include in the calculation. Indicators default with a + in the column left of the Numerator field.
- To subtract an Indicator, select the + in the column left of it, and type over it with a -.
- Note: when you are adding or subtracting Indicators in the **Numerator**, the Per Value does not affect the final results.

**Goal:** A Count of all concurrent reviews for which the patient did not meet criteria and the percentage of concurrent reviews in which the patient did not meet criteria. The patient may not have met Severity of Illness, Intensity of Service, or both. A single SmarTrack Indicator cannot count all three populations, so three individual counts must be added together in order to find the total number of concurrent reviews for which the patient did not meet criteria.

**Indicator One: Reviews with Severity of Illness met, but Intensity of Service not met.**
**Indicator Two:** Reviews with Severity of Illness not met, but Intensity of Service met.

**Indicator Three:** Reviews with Severity of Illness not met, and Intensity of Service not met.
**Indicator Four:** A “fake rate” in which the three individual Counts are added together.

**SmarTrack Indicator Graph:** The resulting graph with all four indicators displayed.
**Indicator Five: Count of all Reviews.**

![Indicator Definition - Count](image)

**Indicator Six: Rate calculating the percentage of all reviews that did not meet Severity of Illness and/or Intensity of Service.**

![Indicator Definition - Rate](image)
**SmarTrack Indicator Graph:** The percentage of reviews that did not meet Severity of Illness and/or Intensity of Service.

**SmarTrack Crosstab Graph:** A breakout by Payer of the percentage of reviews that did not meet Severity of Illness and/or Intensity of Service.
Creating Variables with Complex Qualifying Conditions

SmarTrack can include and exclude various populations within an Indicator in order to focus on exactly the Encounters or patients you want to assess.

Example One: Total Hip Replacement Returns to Surgery

**Goal:** A Count of Total Hip Replacement post-operative dislocations or complications that required a return to surgery. The facility does not use Midas+ Care Management’s Surgery Module.

![Indicator Definition - Count](image-url)
Example Two: Building Indicators for a Sepsis Profile

**Goal:** SmarTrack Profile that includes counts of patients with a diagnosis of simple sepsis, patients with a diagnosis of severe sepsis, and patients with a diagnosis of septic shock. The Indicators should report distinct populations of patients: those Encounters that contain diagnoses of both simple and severe sepsis should be counted only in the severe sepsis Indicator.

**Indicator One:** Simple sepsis excluding those patient Encounters with diagnoses of severe sepsis or septic shock.
**Indicator Two: Severe sepsis excluding those patient Encounters with a diagnosis of septic shock.**

**Indicator Three: Septic shock.**
SmarTrack Crosstab Variables

BLOOD BANK:Comp
CLAIMS MANAGEMENT:Claim Type
CLAIMS MANAGEMENT:Closure Method
CLAIMS MANAGEMENT:Injury Type
CLAIMS MANAGEMENT:Legal Type
CLAIMS MANAGEMENT:Status
COMMUNITY CASE MANAGEMENT PROBLEM:Addressed By
COMMUNITY CASE MANAGEMENT:Case Manager
COMMUNITY CASE MANAGEMENT:Episode Type
COMMUNITY CASE MANAGEMENT:Living Status
COMMUNITY CASE MANAGEMENT:Living Setting
CRITICAL CARE:Location
EMPLOYEE HEALTH:Employee:Department
ENCOUNTER:APC
ENCOUNTER:APR-DRG
ENCOUNTER:APR-DRG Risk of Mortality
ENCOUNTER:APR-DRG Severity
ENCOUNTER:Adm Status
ENCOUNTER:DRG
ENCOUNTER:DRG:MDC
ENCOUNTER:Diagnosis Present On Admission
ENCOUNTER:Disposition
ENCOUNTER:Encounter Type
ENCOUNTER:Encounter Type:Type
ENCOUNTER:Facility
ENCOUNTER:Location
ENCOUNTER:Location History Location Transferred To
ENCOUNTER:Medical Group
ENCOUNTER:State DRG
HCM AVOID/DENED:Attribution:Cause
HCM AVOID/DENIED:Attribution:Department
HCM AVOID/DENIED:Location
HCM AVOID/DENIED:Payer
HCM AVOID/DENIED:Payer:Type
HCM AVOID/DENIED:Type of Days
HCM AVOID/DENIED:Type of Days Recovered
HCM CERTIFICATION:Principal Payer
HCM CERTIFICATION:Principal Payer:Type
HCM CERTIFICATION:Secondary Payer
HCM CERTIFICATION:Secondary Payer:Type
HCM CONCURRENT:Diagnostic Category
HCM CONCURRENT:MCAP Criteria
HCM CONCURRENT:MCAP Criteria Type
HCM CONCURRENT:MCAP Decision
HCM CONCURRENT:MCAP Delay
HCM CONCURRENT:MCAP Delay:Category
HCM CONCURRENT:MCAP Level of Care
HCM CONCURRENT:MCAP Module
HCM CONCURRENT:MCAP Quality
REHAB:Impairment Group
REHAB:Principal Diagnosis
RISK MANAGEMENT:Attributed Employee
RISK MANAGEMENT:Attribution Department
RISK MANAGEMENT:Entered by
RISK MANAGEMENT:Location
RISK MANAGEMENT:Risk Parameter
RISK MANAGEMENT:Shift
RISK MANAGEMENT:Significance
RISK MANAGEMENT:Status
RISK MANAGEMENT:Type
RISK MANAGEMENT:Type:Class
RISK MANAGEMENT:Type:Group
SURGERY:Anes Risk
SURGERY:Anes Type
SURGERY:Procedure:Group
SURGERY:Procedure:Risk Group
SURGERY:Surg Class
WORKER'S COMP:Type of Expense
Examples of Non-Data Entry SmarTrack Variables

Variables that Traverse into a Dictionary
- ENCOUNTER: Discharge Physician: Group
- ENCOUNTER: Discharge Physician: Service
- ENCOUNTER: DRG Outlier Days
- ENCOUNTER: DRG Relative Weight
- ENCOUNTER: DRG: MDC
- PATIENT RELATIONS: Employee: Cost Center
- PATIENT RELATIONS: Employee: Department
- PATIENT RELATIONS: Department: Cost Center
- QUALITY MANAGEMENT: Physician: Group
- RISK MANAGEMENT: Attr Physician: Group
- RISK MANAGEMENT: Type: Class
- RISK MANAGEMENT: Type: Group

Variables that Calculate Elapsed Days Between Existing Date Fields
- HCM DISCH PLANNING: Non-Acute Days
  - From: HCM DISCH PLANNING: Discharge Date
  - To: ENCOUNTER: End Date
- OBSTETRICS: Days from Delivery to Discharge
  - From: OBSTETRICS: Delivery Date
  - To: ENCOUNTER: End Date
- INFECTION CONTROL: Predisposition Days
  - From: INFECTION CONTROL: Predisposition Start Date
  - To: INFECTION CONTROL: Predisposition End Date

Other Background Variables
- ENCOUNTER: Type: Type (Days Since Last)
- ENCOUNTER: Days Since Last Encounter
- ENCOUNTER: Active?
- ENCOUNTER: Age at Encounter (Days)
- ENCOUNTER: Age at Encounter (Years)
- ENCOUNTER: DRG: Code Range
- ENCOUNTER: Procedure: Code Range
- ENCOUNTER: Principal Procedure: Code Range
- ENCOUNTER: Diagnosis: Code Range
- ENCOUNTER: Principal Diagnosis: Code Range