

Analytic Data Solutions, LLC

A common theme in a business setting is addressing "speed to market" as a way to react to consumer demands and avoid any miss-opportunities. Analytic

Data Solutions believe the same attention should be given to analytics as business communities require timely and accessible data to better understand and predict business trends. The premise is businesses are looking for robust analytic tool choices that allow them to achieve a level of self-service as a way to evolve their business capabilities. This may be at a time that they are waiting for an EDW to be built and sometimes 80% is good enough.

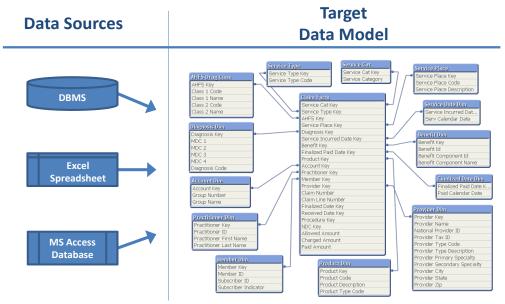
Quick Start Analytics (QSA) Demo Applications

QSA demo applications are a way to quicken the process of empowering the business by turning data into actionable information. For example, if your environment is transitioning to an integrated data platform (e.g., Enterprise Data Warehouse) and you are waiting for an analytic reporting application to be made available, QSA provides a means to build a prototype analytic application with an accelerated three-step process:

- 1. Create a dimensional data model reflecting the necessary measurements and descriptors
- 2. Identify the data source(s) and determine best method to populate the target data model
- 3. Using the QSA report templates and QlikView, customize each dashboard and analytic report

This diagram depicts the first two steps of the process. Once the dimensional model is set with both the measurements and descriptors, it is important to identify reliable data sources that will feed into the QSA

data engine. The advantage of this prototype approach is that the business will be able to immediate reflect and actual results back into the prototype. This becomes а true accelerator for the business in the evolving state of the enterprise analytic environment.



Using QlikView, the third step is to create and customize the analytic report templates based on the data model created in the previous step. Before beginning to develop reports, it is important to have a complete and well-thought-out reporting design. For example, QSA for

Healthcare provide a reference architecture,

providing the overall	Analytic	Convice Vear Service Qtr Service Month
· •	Analysis: Claim Costs by Provider	2009 2010 2011 1 2 3 4 Jan Feb Mar Apr May Jun Jul Aug Sep Occ Hor Foc
design as well as a	Current Selections -	Finalized Year Finalized Qtr Finalized Month 2009 2010 2011 1 2 3 4 Jan Feb Mar Apr May Jun Jul Aug Sep Oct: Nov Dec
demo application with	Serv Four Digt2 - 2010, 2011 Year	Top 5 Providers Paid Amount
full report application	Service Category Provider $P = \Box$	T UKI MINUMA
structure	Inpatient Good Care Hospital	Provider Name \$21,270.00 Northwest Hospital \$20,880.00
	Professional Northwest Hospital	East Central Hospital
	Sunny Hospital	Metro Hospital \$10,940.00 Sunny Hospital \$9,500.00
	Place of Service	Good Care Hospital
	Comprehensive Inpatient Rehabilitation Facility Custodial Care Facility	0 5,000 10,000 15,000 20,000 25,000
Analytic	Emergency Room - Hospital	Groups by Hospital
Data Solutions	Inpatient Hospital Outpatient Hospital	Paid Percent across Hospitals
Summary Analysis: Claim Costs by Service	Rural Health Clinic Skilled Nursing Facility	Provider Name Group Name Provider Name 26% Large Packaged Foods
Current Selections	Ambulance - Air or Water Ambulance - Land	East Central Hospital 25% Mid-size Lumber Yard Motor Linearital 25% Midwest Windows Mfg
Serv Four Digt 2 🗸 🖕 2009, 2010, 2011	Ambulatory Surgical Center Birthing Center Birthing Center	Sunny Hospital 13% Pizza Criain
	Community Mental Health Center Comprehensive Outpatient Rehabilitation Fadility End Stage Renal Disease Treatment Fadility	Good Care Hospital 11% Clothing Retail Store Large Retail Store
	End Stage Rena Docas - Federaly Qualified Health Center Historice	
Service Category Inpatient Place of Service	Independent Laboratory	
Outpatient Professional	Inpatient Psychologic Teachy/Mentally Retarded Intermediate Care Facility/Mentally Retarded Milliary Treatment Facility	or Nov Dec
Drug	member Months 100	w \$\$203.50 \$126,020.00 \$\$2500.66 Finalized Month Jan Feb Mar Apr May Jun Jul Aug Sep Oxt Nov Dec Ban Feb Mar Apr May Jun Jul Aug Sep Oxt Nov Dec
Charge Comparison by Services	Claim Volume 240	Paid Amount
Charges & Payments by Dates of a		
Service Category	Claims)	B X 図 - ロ \$21,270.00
Drug 6.4	Cost Trends	
Inpatient 30	1%	Charge Amount
		- Paid Amount
	20,000	Second Second Second
	10,000	
	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	And and Paid Year Otr
	Involution Hospita Outpatient Hospita Rural Health Clinic Rural Health Clinic	40.0
	skiled Nursing Annual Ar or Water	200-39.9 60-39.9 0.15.9 0.15.9
	Ambulance Surgical Center	0.1-5-9 No Surgeons
	Birthing Community Mental Health Center Community Mental Health Center Learcive Outpatient: Rehabilitation Facility	TO NOT THE DATE OF THE OF THE OF THE DATE OF THE
A key premise is to	Community Mental Insolution Comprehensive Outpatient Relabilitation - Good End Sage Renal Disease Treatment Facility Federally Qualified Health Center Federally Qualified Health Center	E Loss
provide a prototype	Hospice Hospice Independent Laboratory Independent Caboratory	
environment	Indisano Indisendenk Laboratory Inpotenti Psychiatric Raciity Intermediate Care Facility Netratily Retarded Intermediate Care Facility Netratily Retarded	
	Mills and Two service	
allowing the business		

to more quickly develop and refine their analytical capabilities in healthcare. Other industries are under construction, such as retail and manufacturing. Once the basic design outline is completed and the data models configured, the business analysts may begin their building process. This provides an ideal setting for developing and evolving an Enterprise Analytic Environment.

For more information: Contact Gary Hanson at 651-485-2312 or ghanson@analyticdatasolutions.net