

*Integrating WHODrug and
WHOArt with Oracle's
Thesaurus Management System
(TMS)*



Introduction

- Sunil G. Singh and Anoop Nair of DBMS Consulting, Inc
- Specialize in Oracle Clinical and TMS implementations
- Provide off-site and on-site consulting for a variety of Oracle Clinical and TMS services

Acknowledgements

- Many thanks to the Uppsala Monitoring Centre
- Drug Information Association (DIA)

Audience Questions:

- How many organizations using TMS are present today?
- How many organizations are using WHOArt ?
- How many organizations are using WHODrug ?
- How many organizations are using MedDRA ?
- How many organizations have already loaded their TMS dictionaries ?

TMS Dictionary loading process

- Base install of TMS required
- Can be a very long and error-prone process
- Each dictionary has to be manually created via the TMS interface very carefully
- Loading scripts for staging tables need to be developed

TMS Dictionary loading process(2)

- Loading Scripts for populating PREDICT tables need to be developed
- Activation of Dictionaries with simultaneous Database statistic generation needs to occur, can be a very long process
- Dictionary has to be tested and checked for any loading errors
- Repeat this process for each site where TMS with Replication is being used

TMS Dictionary loading issues

- How does an organization **develop the scripts required** for Dictionary loads ?
- How does an organization **test these load scripts**?
- How can an organization **test and validate that a set of dictionaries was loaded correctly** ?
- How can an organization **streamline and make more consistent** the dictionary loading process ?
- No Support for the Loading process from Oracle:
 - TMS Manual 7-8

The UMC/WHO and DBMS Consulting Partnership

- Providing “Official” Dictionary Loading Scripts for **standard** WHODrug and WHOArt in TMS
- Providing Initial Pre-Loaded TMS databases with WHOArt, WHODrug and other dictionaries. No dictionary loading required!
- Developing External Search Objects for TMS

Solutions to TMS Dictionary loading issues and Benefits

- Support for loading of the WHODrug and WHOArt dictionaries
- Tested and validated dictionary loading scripts! Scripts are updated if the dictionary structure is updated
- Tested and validated system for **the loaded** WHODrug and WHOArt dictionaries if using the initial Pre-Loaded database
- External Search Objects will provided more advanced term matching in WHOArt

Future Services

- Update scripts for partial dictionary loads when this functionality is available in TMS 4.0/4i
- Virtual dictionary mappings when available in TMS 4.0/4i
- Dictionary to Dictionary Mappings (MedDRA) if there is user demand

User Feedback is required !

- What additional services or tools are users interested in seeing for TMS ?
- Is there an incredible demand for MedDRA to WHO dictionary mappings ?
- Is there interest in other Search Objects for TMS, such as
 - Matching Verbatim Terms during autoclassification
 - Find Candidate Terms during Manual Classification
 - Find repository terms using Extended Search

Pricing/Costing Models

- Costs for official WHODrug and WHOArt loading scripts based on current dictionary subscription pricing
- Initial Pre-Loaded dictionary solution based on number of dictionaries and support required for implementing
- Fixed costs for External Search Objects in TMS
- Non-Standard dictionary loading and customized Search Objects loading has to be on-site consulting rates on an individual basis

Conclusions:

- There is help for TMS dictionary loading for WHODrug and WHOArt
- There is an advantage for testing/validating WHODrug and WHOArt dictionaries if official test scripts are used
- Many Search extensions for WHODrug/WHOArt can be developed if there is user demand
- We are actively seeking pilot customers and users to assist with development of all of these services