GALEN
HEALTHCARE SOLUTIONS

MUCH MORE THAN I.T.

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Analytics Field Additions

March 18, 2015

PRESENTER

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OVERVIEW

- Introduction to the Metalayer Tree

- Types of fields

- Creating expressions in SQL

- SQL to Analytics syntax translation

- Expression fields

- Adding fields to the Metalayer Tree

- Conclusion

- Questions

METALAYER TREE

- Fields for report builds

- Default vs. custom

- Customization options

  - Field options

  - Field additions

- Permissions

TYPES OF FIELDS

- Standard database fields

- SQL expression fields

- Custom database fields

CREATING SQL EXPRESSIONS

- PXPTrace

  - http://wiki.galenhealthcare.com/index.php/Analytics_PXPTrace

- Common SQL functions

  - TOP/ORDER BY

  - CASE statement

  - MAX/MIN

SQL SYNTAX TRANSLATION

- Direct vs. indirect queries

- Search vs. field queries

- Analytics example

  - Most recent encounter

EXPRESSION FIELDS

- Custom fields for regular use

- Existing expression fields

  - PatAgeCat, Patient-Age

- Must link to patient

- CASE statements

ADDING FIELDS TO THE METALAYER TREE

- Expression fields

  - Parse verification

- Existing fields from database

  - Table and column

  - Additional field properties

- New fields in the database

ADDING FIELDS TO THE METALAYER TREE

- Building the tree

- Metalayer permissions

CONCLUSION

- Custom and existing fields

- Modifying the Metalayer Tree

- Improving the Analytics experience

- Performance considerations

- Advanced SQL expressions

QUESTIONS?