Welcome to the
Crystal Reports: Tips and Tricks

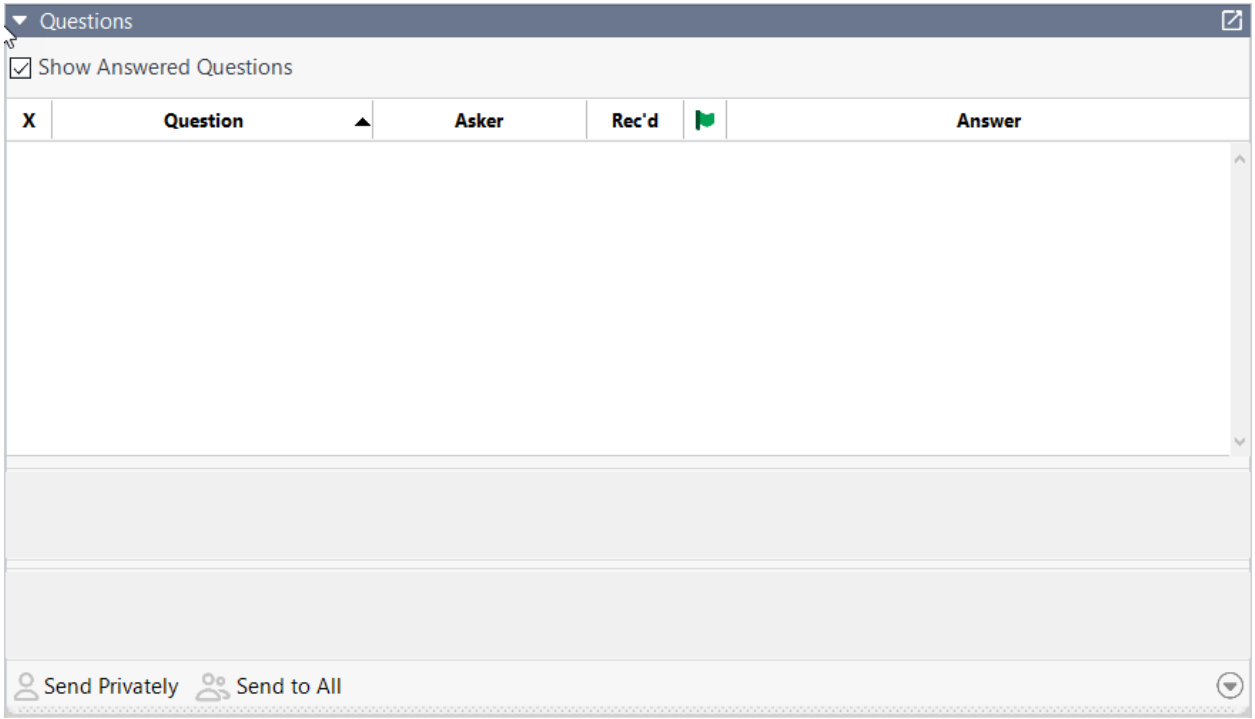
The presentation will begin shortly.

Please note that all attendees are in listen only mode.

A recording of this webinar will be sent out to all attendees.

Presented by: eMedApps™ Smarter. Faster. Easier.

Inquiries may be submitted using the **Questions** window.



About eMedApps

eMedApps is a Healthcare Information Technology Services company providing practices, clinics and hospitals with a full range of services, as well as a suite of products designed to increase efficiency and facilitate communication.

- Founded in 1999
- Working as partner with NextGen since 2001
- Worked as subcontractor for NextGen
- Serving healthcare clients across USA
- Services and Products for NextGen clients

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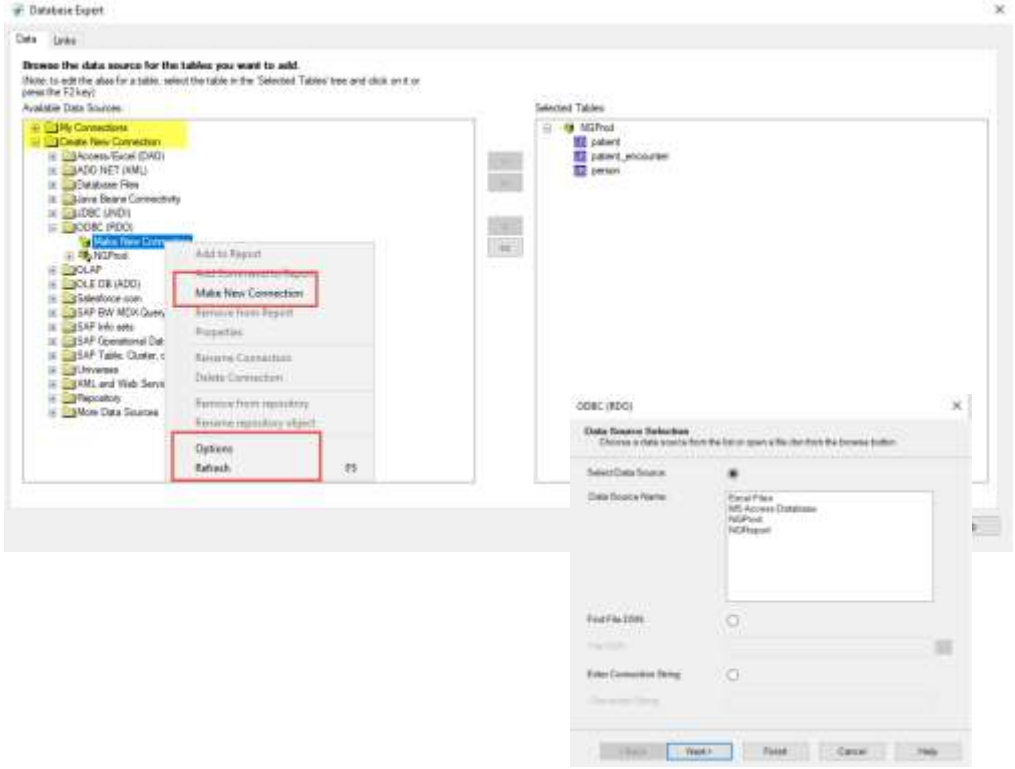
About Our Presenter

Victoria (Vicky) Wieronski has been with eMedApps since 2013. She is a Senior Application Specialist and has over thirty years of experience in healthcare. She loves boating, jet skiing, being outdoors and playing with her English Mastiffs, Norris and Steve.

Preparing the Report

Data Connections

- Identify the data connections
  - Browsing your data source
  - My Connections
  - Create New Connection
- Data source types
  - Tables
  - Views
  - Stored Procedures
  - Commands

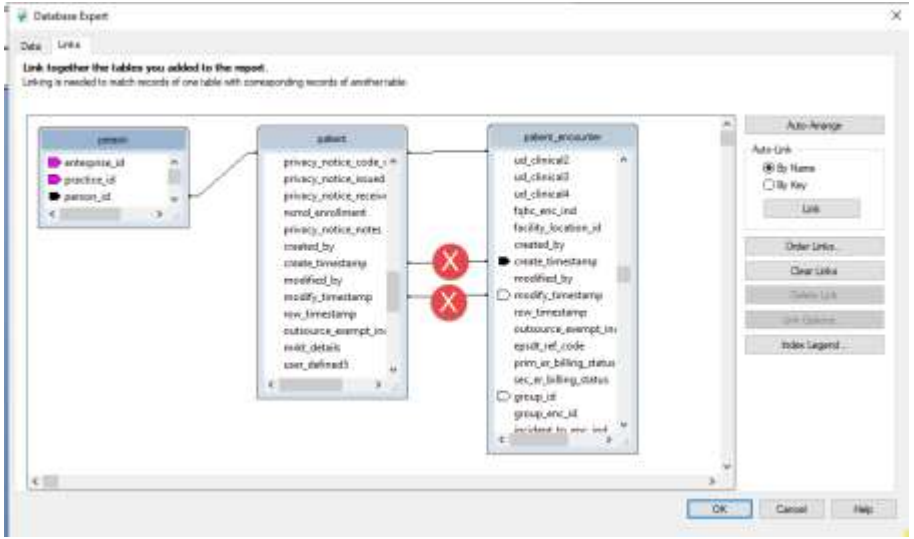


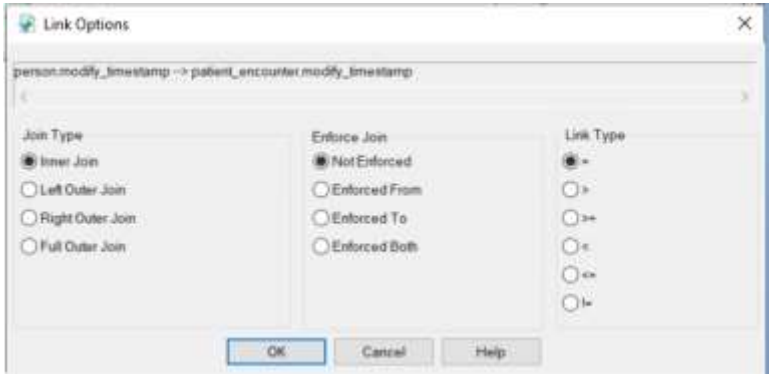
Data Connections, cont.

- Options
  - Data explorer filters
  - Advanced options
    - Automatic smart linking
- Refresh

Link Options

- Smart Linking vs. Manual
- Join Type
- Enforce Join





Link Options, cont.

- Not enforced – default option
  - Link will only apply if explicitly in the "Select " statement
- Enforced From
  - Link is used when the 'to' table is used by the "Select" and join is enforced.
- Enforced To
  - Link is used when the 'from' table is used by the "Select" and join is enforced.
- Enforced Both
  - Link is enforced whether you use the 'to' or 'from' tables

SQLQuery1.sql - EM...PS\wieronskiv (73))*

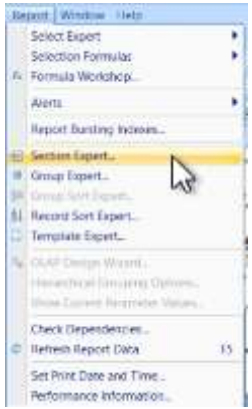
```
--Person - Table A
--Patient_encounter - Table B

Select a.first_name, a.last_name, a.person_nbr from person a
join patient_encounter b on b.person_id = a.person_id
where b.billable_ind = 'Y'

--Without the enforce join you may end up with this:

Select a.first_name, a.last_name, a.person_nbr from person a
```

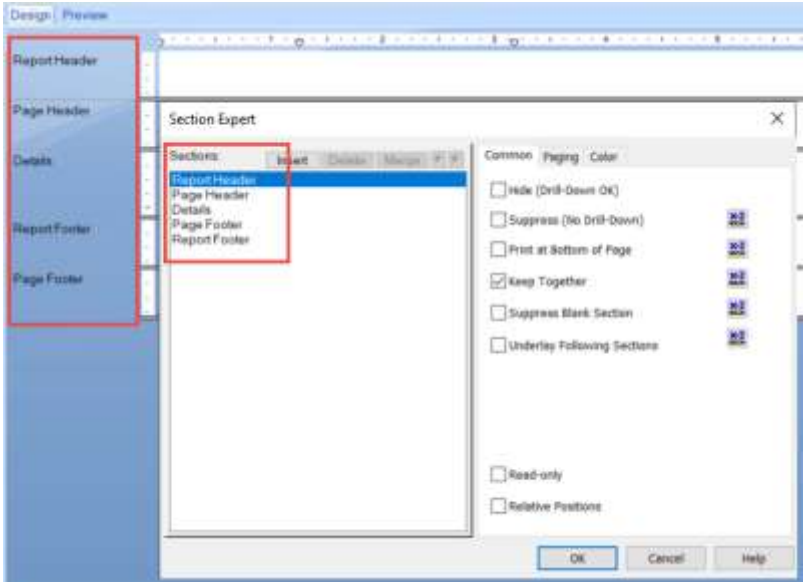
DEMO

Report Body

Defaults and Section Expert

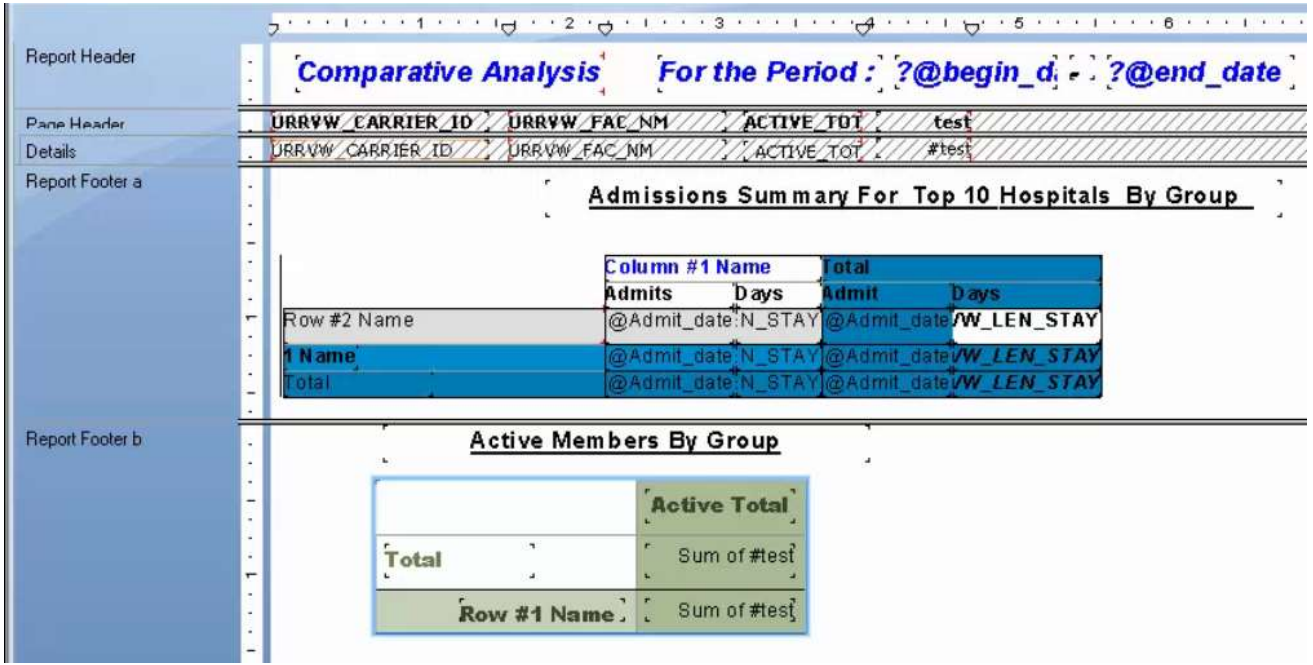
- Report Section Defaults
  - Report Header
  - Page Header
  - Details
  - Report Footer
  - Page Footer
- Forced or Conditional Suppression
- Additional Sections





Defaults and Section Expert, cont.

- Cross tabs



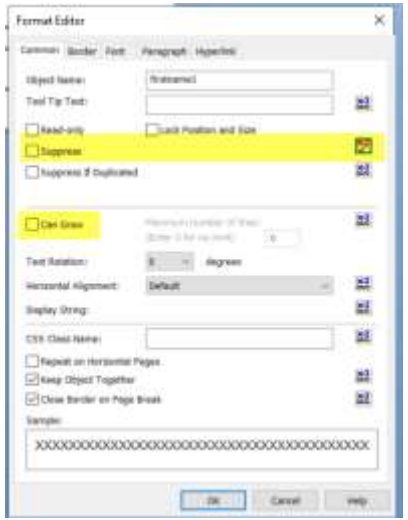
Defaults and Section Expert, cont.

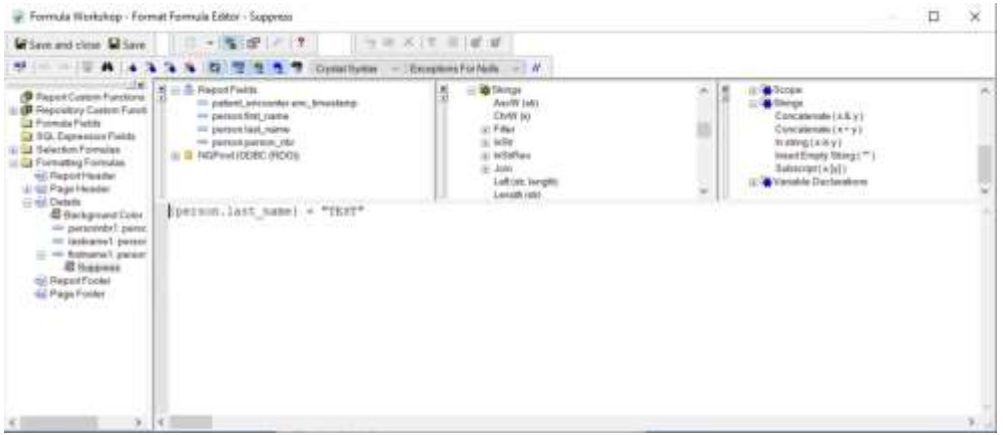
- Paging
  - Breaks and conditions
- Color
  - Formula conditions

```
if {person.last_name} = "TEST" then crRed else if {person.last_name} <> "TEST" then crGreen
```

Defaults and Section Expert, cont.

- Formatting
  Very similar to other application formatting
  - Can Grow
  - Conditional – Section vs. Field

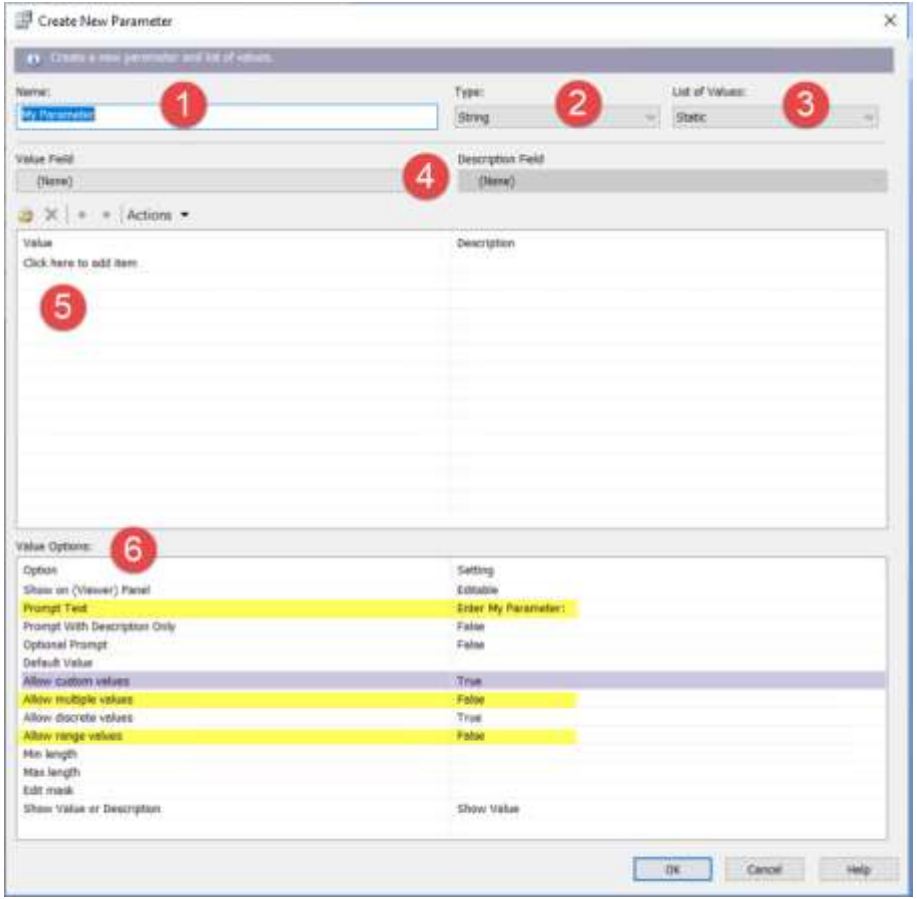




DEMO

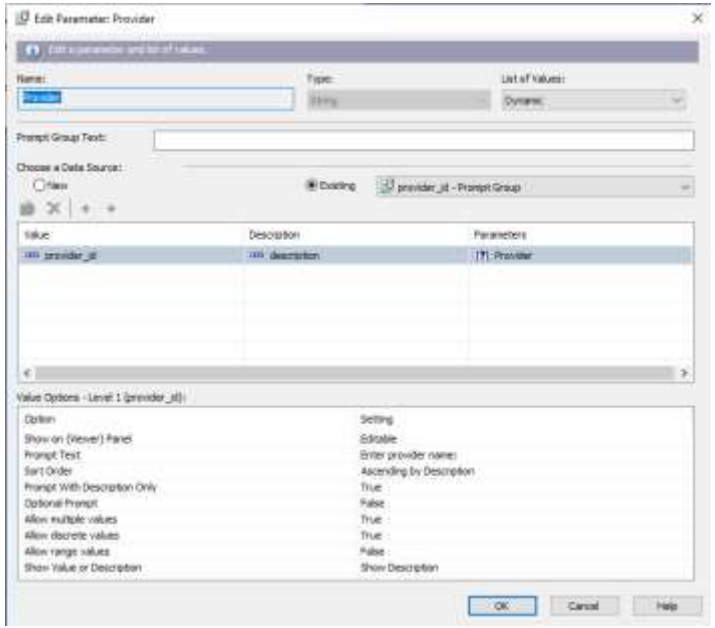
Parameters

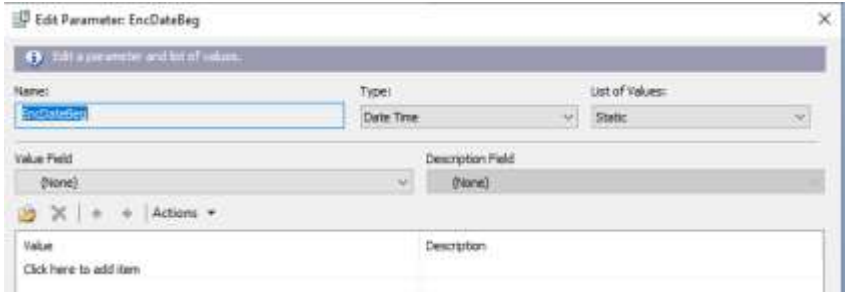
1. Name
2. Type - Define
3. List of Values (Static or Dynamic)
4. Value or Description Field
5. Value
6. Value Options
    a) Prompt text
    b) Multiple values
    c) Range values

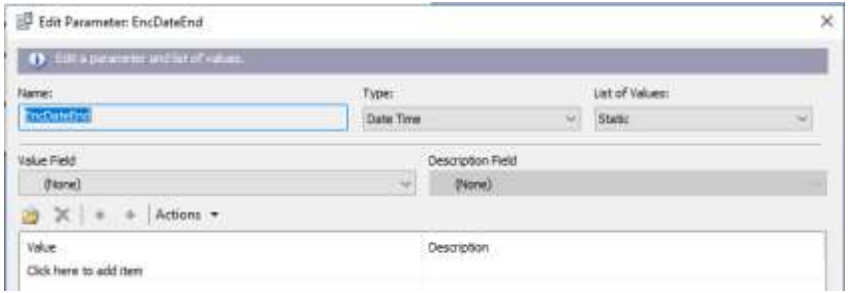


Parameters, cont.

- Static vs. Dynamic - What do I choose?
  - Multiple and Range values



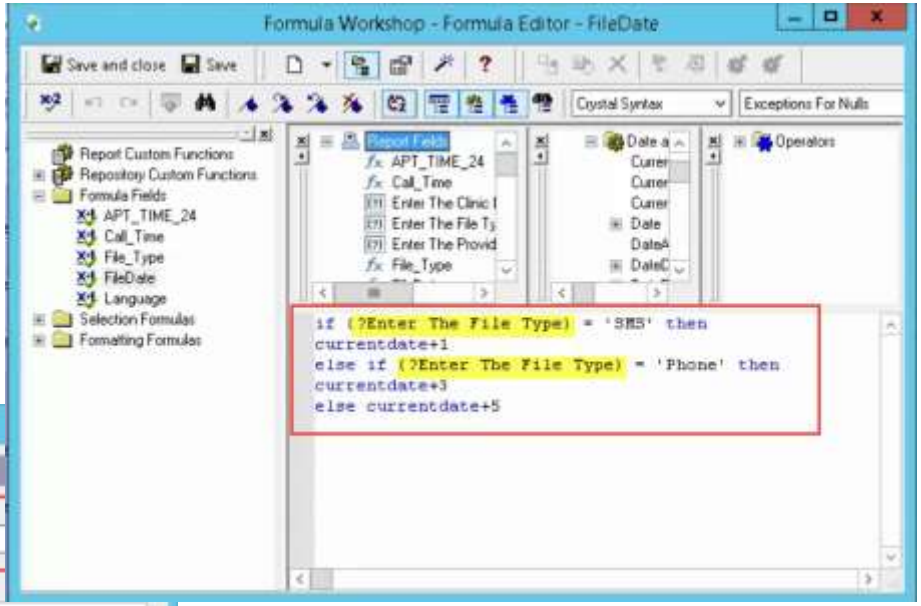


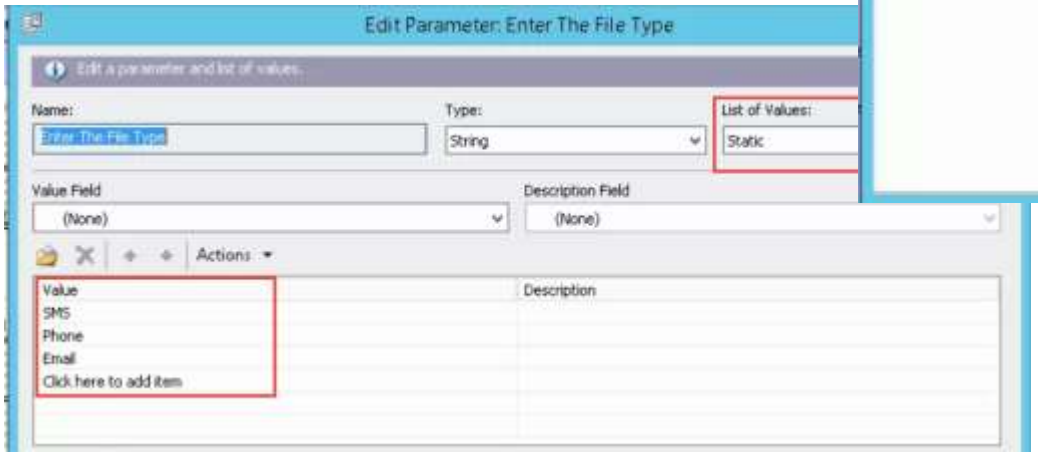



```
{patient_encounter.enc_timestamp} in {?EncDateBeg} to {?EncDateEnd} and
{patient_encounter.rendering_provider_id} = {?Provider}
```

Parameters, cont.

- Embedding a parameter into a formula





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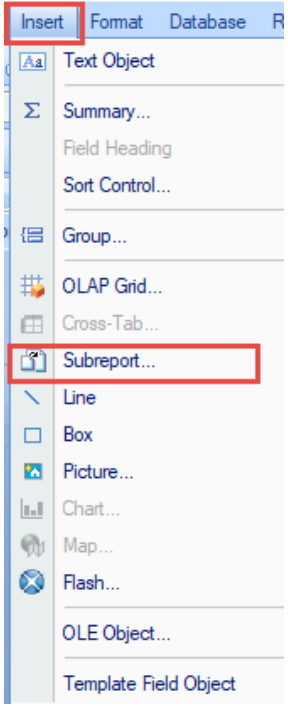
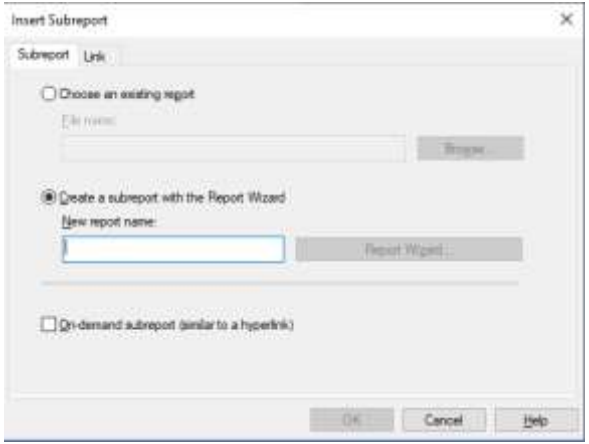
Sub-Reports

Inserting a Sub-Report

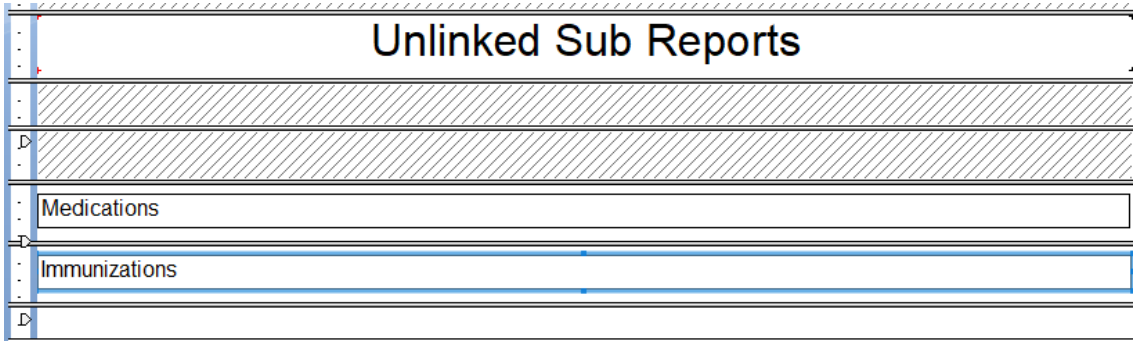
- Unlinked sub-report
  - Report is unrelated to the parent report tables/fields, independent. No tables are even needed on parent report.
  - Great for month end summaries and management reports
- Linked sub-report
  - Report is related and dependent on the parent report tables/field
  - Great for showing related detail in various ways

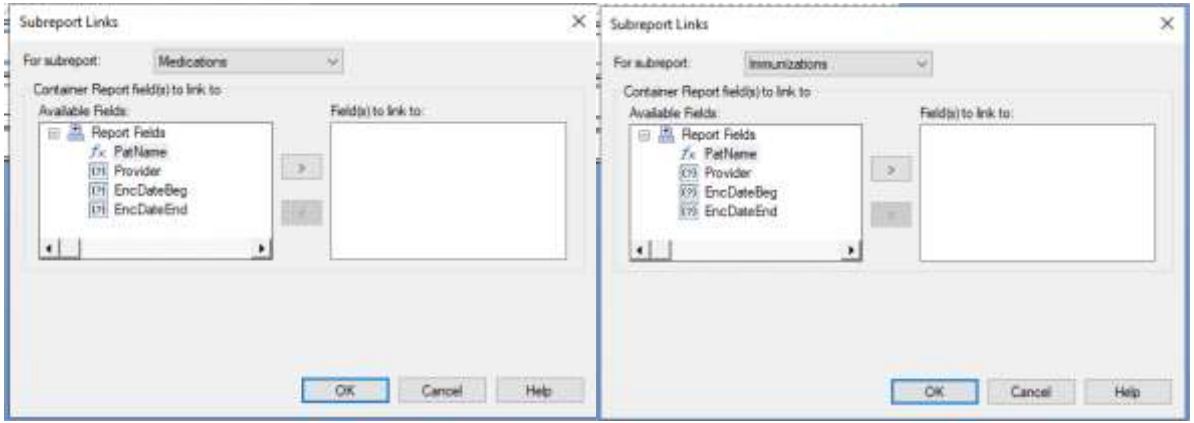




Unlinked sub-report

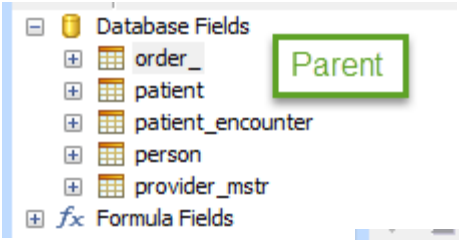
Unrelated objects not linked

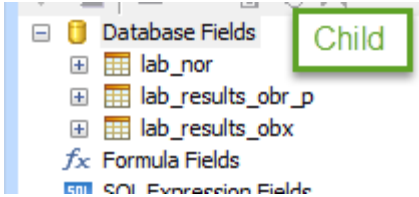


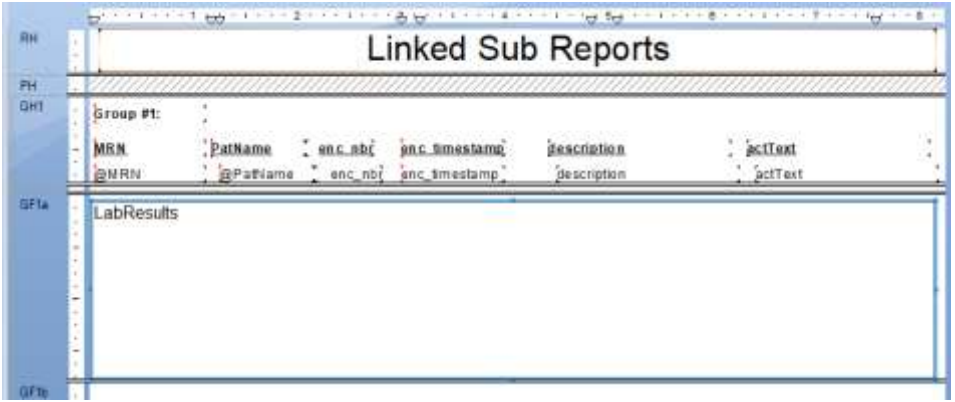


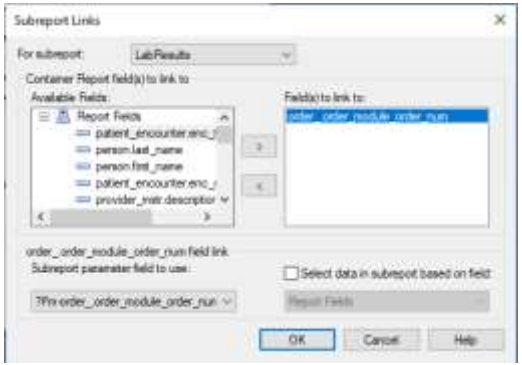
Linked sub-report

Related objects
linked together









DEMO

Tips and Tricks

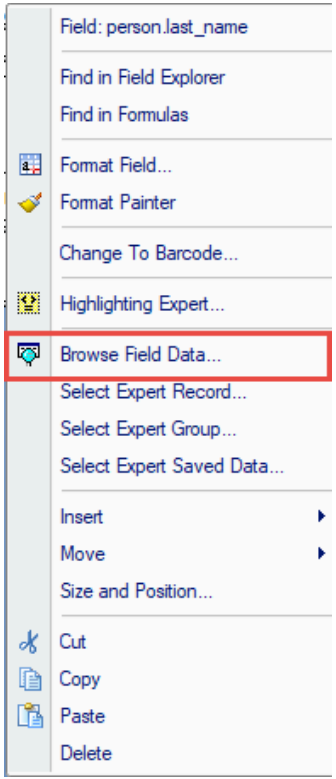
Tips and Tricks

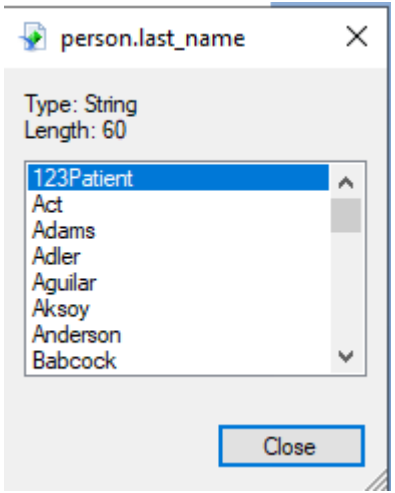
- Browse Data
- Preview and Zoom
  - Magnification Factor
  - Fit One Dimension
  - Fit whole page
- Options and Report Options
- Customized formatting
- Data links up to date
- Data links – Never assume they are valid
- Working with Null or Blank Values
- Formula Values
- Show SQL
- Select Distinct Records

Tips and Tricks

- Browse Data

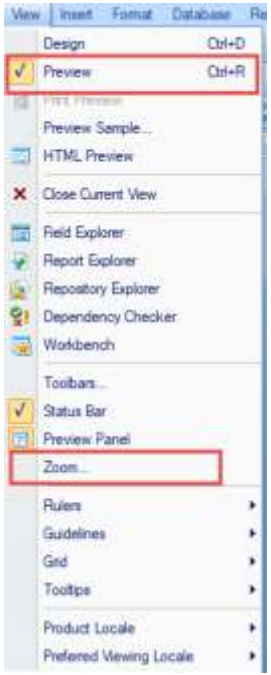
Browsing data is accessible in many places within your report

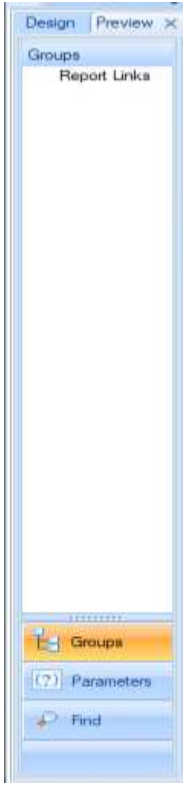


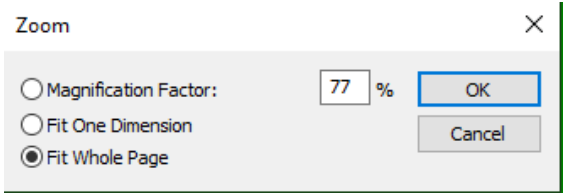


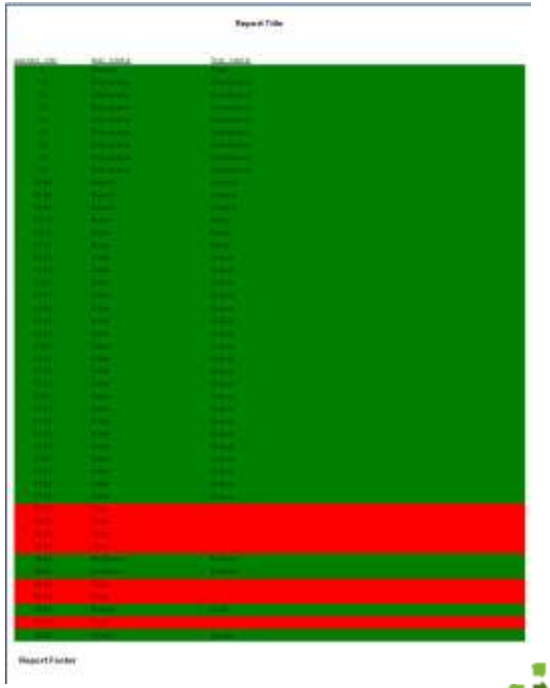
Tips and Tricks

- Preview and Zoom



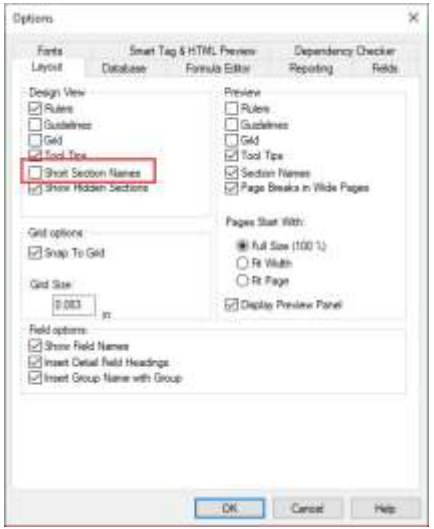






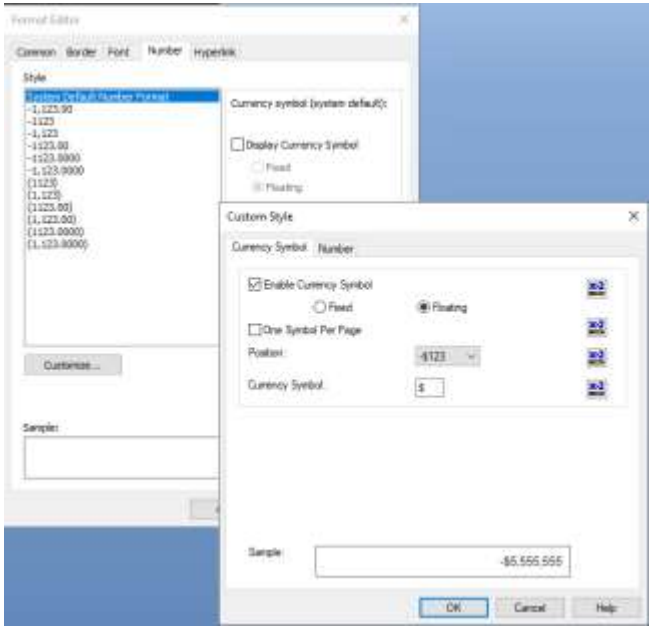
Tips and Tricks

- Options
  - Short Section Names
- Report Options
  - Save Data with Report – Uncheck
  - Use Indexes or Server for Speed - Check



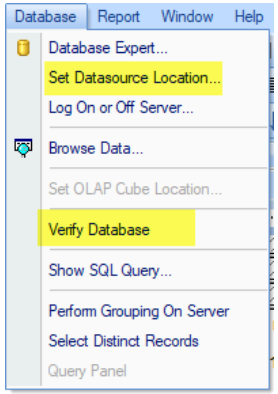
Tips and Tricks

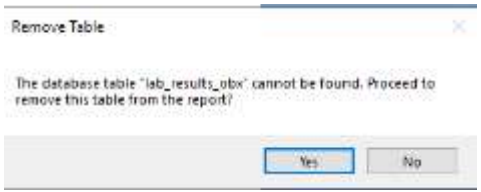
- Customize Formatting
  - Specific symbols
  - Negatives
  - Conditional formatting

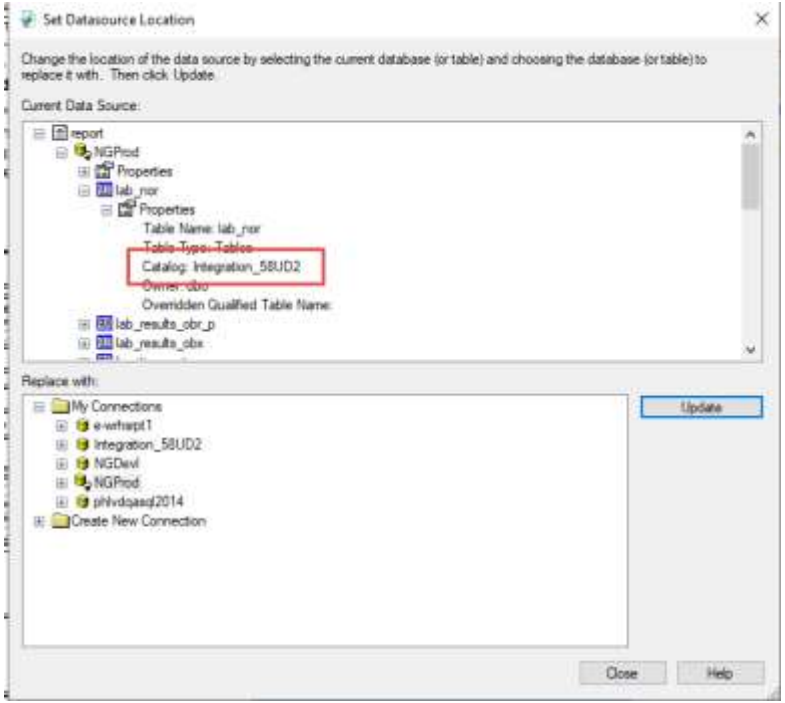


Tips and Tricks

Ensure the crystal report's database data link is up to date

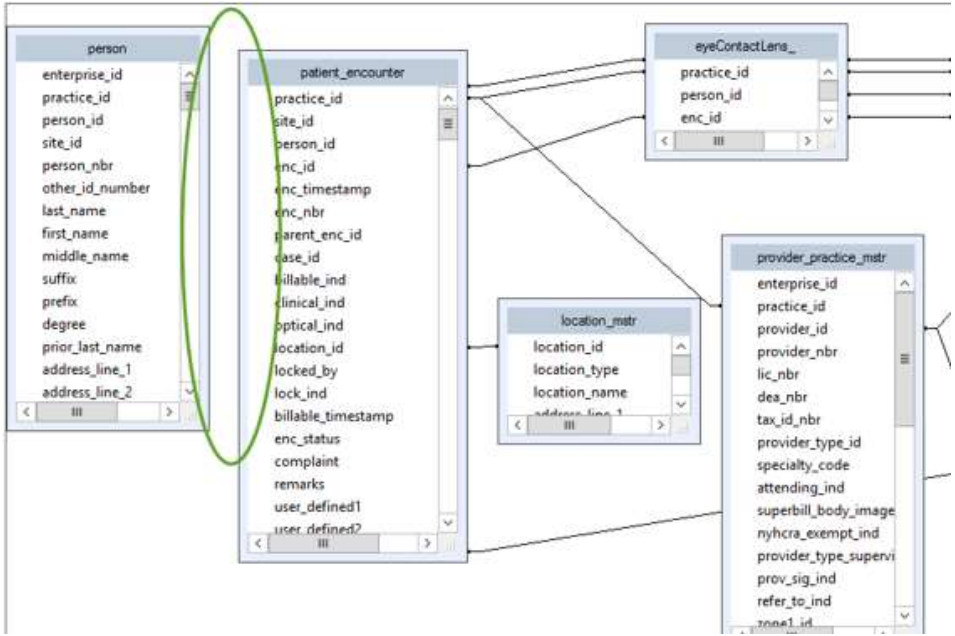






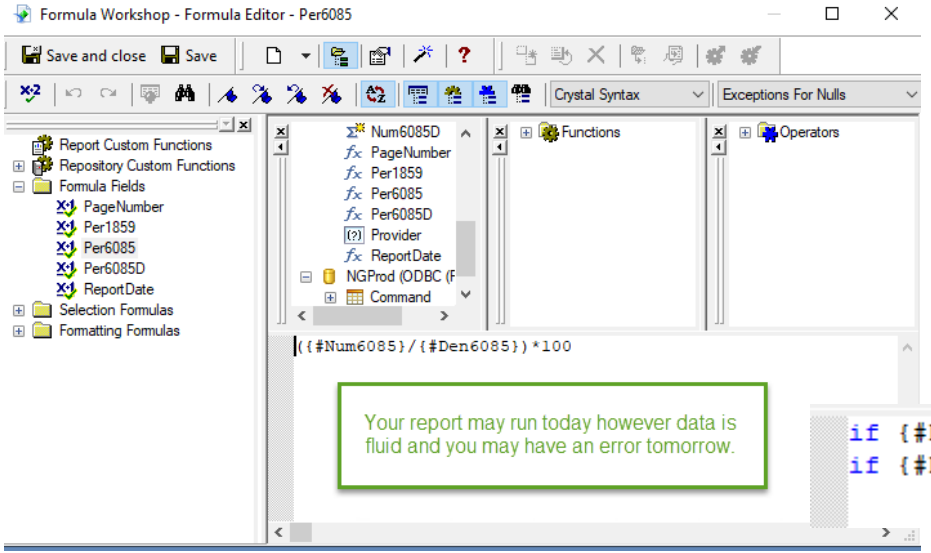
Tips and Tricks

Ensure the table links are valid



Tips and Tricks

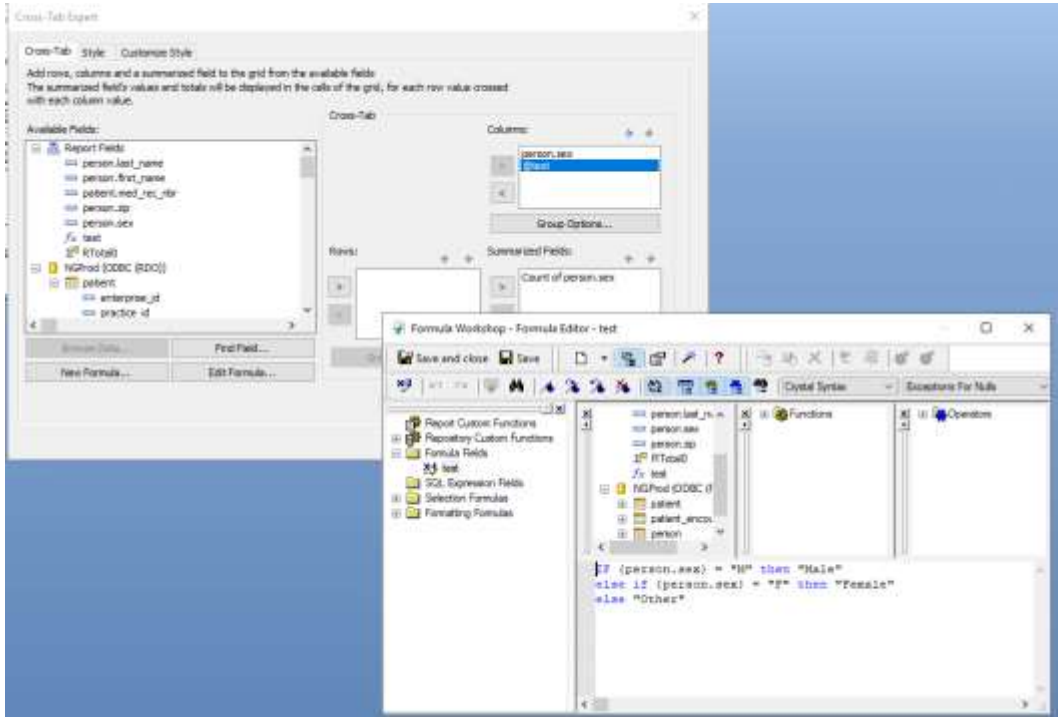
Working with NULL or blank values




```
if {#Den6085} = 0 then 0 else
if {#Den6085} = 1 then({#Num6085}/{#Den6085})*100
```

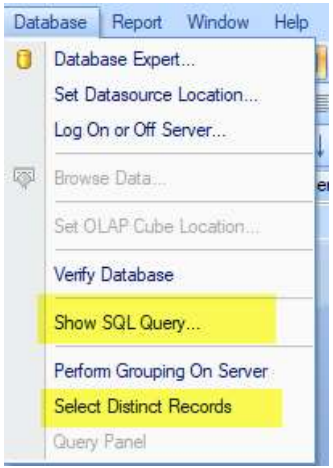
Tips and Tricks

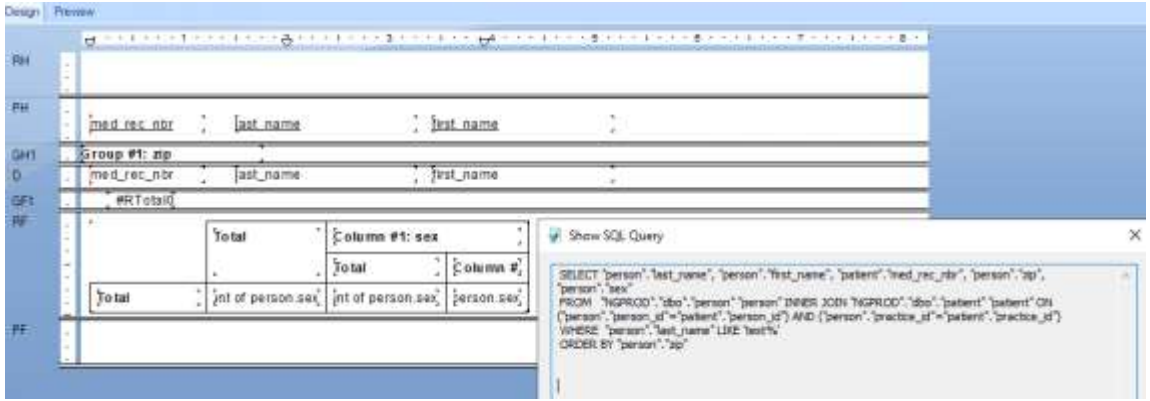
Formula Values



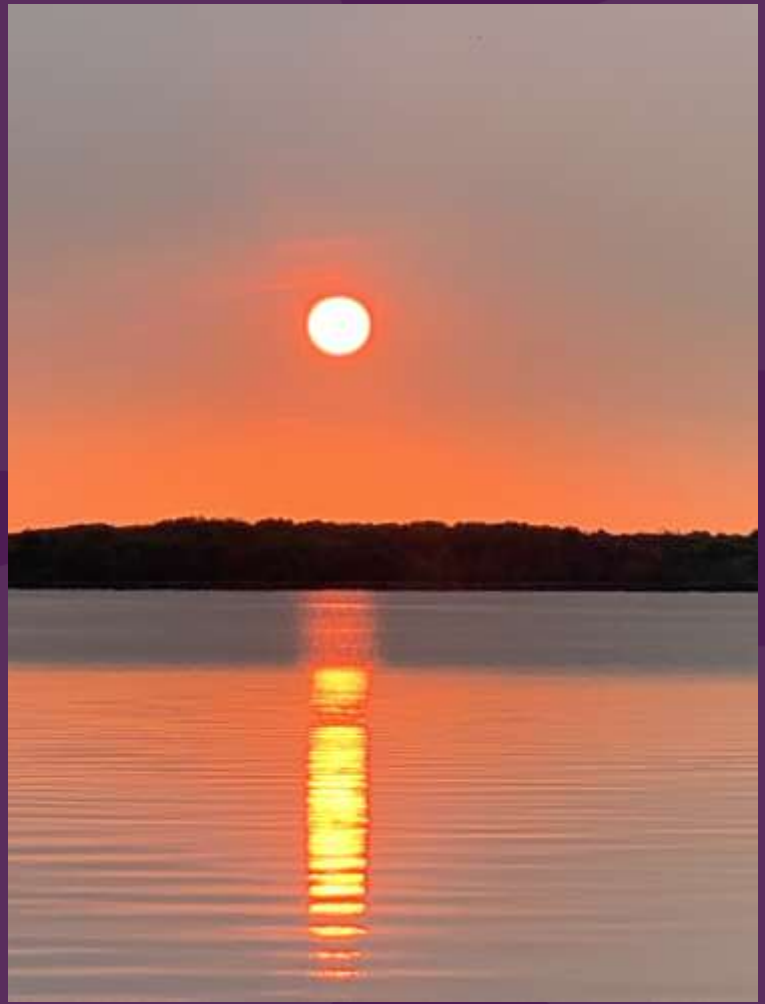
Tips and Tricks

Show SQL
Select Distinct Records





DEMO



Q&A

A recording of this webinar will be sent out to all attendees.

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info@emedapps.com