

## INNOVATIONS FOR GENERATIONS

# 261H CPRS Graphing – not just for the Dow Jones and Stock Market

Harnessing the Power of Graphs

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#### **Course Objectives**

- By the end of this course, get ready to:
  - View your patient's entire history within a few minutes using graphs, to improve patient care
  - Create your own personal graphs to improve retrieval of pertinent disease related data
  - Request Pre-set Graphs on Reports tab from your CACs, so new docs can utilize graphs immediately



#### Course overview

- Introduction
- Graphing
  - Old graph function
  - New graphs On the fly:
    - CTRL button; shift button; right click mouse
- Views, Settings, Sources
  - Creating Personal pre-defined graphs
  - Setting your defaults
  - Use of on the fly graph functions to hone view



#### Course Overview-continued

- Sneak Peak at v. 27 coming out this month
- Considerations for Report Tab Graphs
  - Perfecting Public Graphs
  - Fileman stuff



## Ctrl G

-Control G will get you into the graphing function from any tab in the CPRS chart -



#### Considerations

- Naming of templates
  - Easy to rename!
- Completeness e.g. Antibiotics
  - Easy to add anything missing!
- Scale Y-axis
  - E.g. creatinine
  - E.g. if comparing trigl vs. CRP!



## **Clinical Examples**

- Create a view for Lipid labs
  - LDL, Trigl, HDL, Chol, SGOT, SGPT
- Create a view for Lipid meds
  - Niacin, fish oil, lipid 'drug class'
- Changing a 'Public' view
  - Rx: HTN (find what is missing)



#### Lets Graph! SIGN ON TO CPRS

Find your student number ## by your computer

Click this Icon:

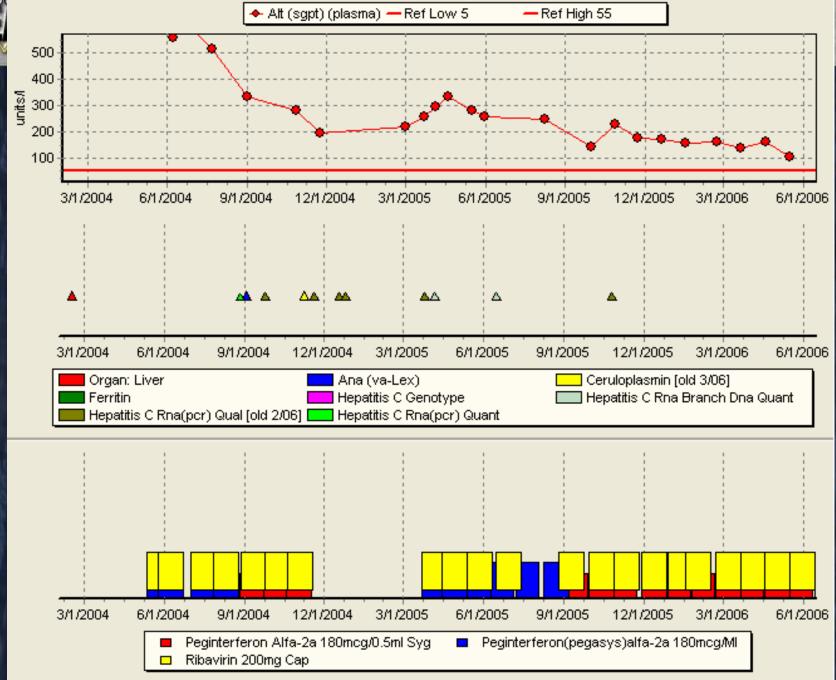


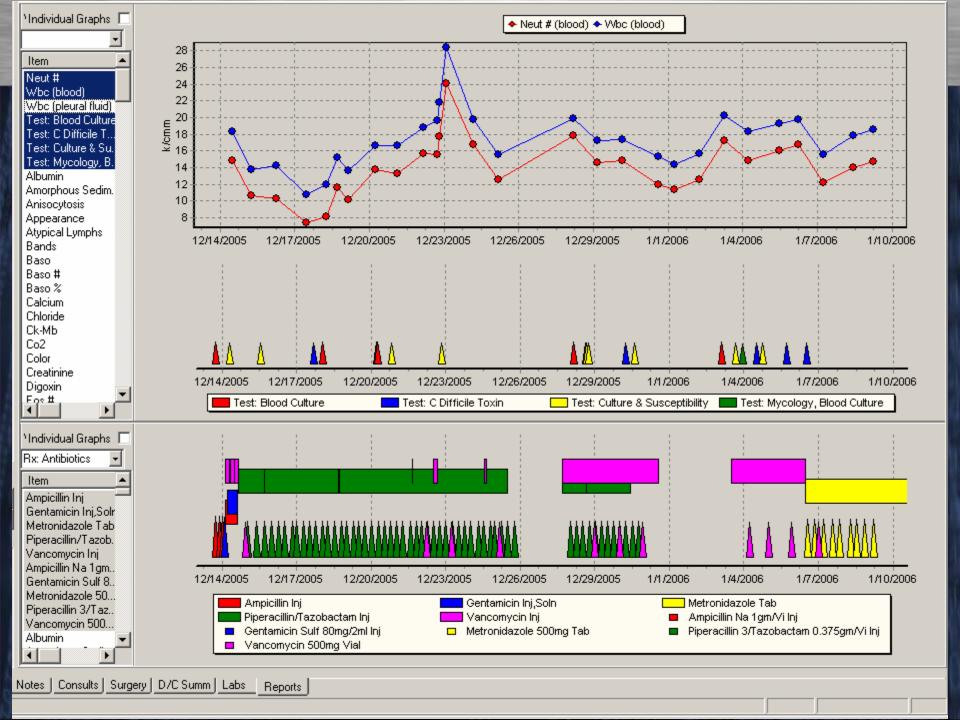
- Access Code: ##VEHU
- Verify Code: VEHU##

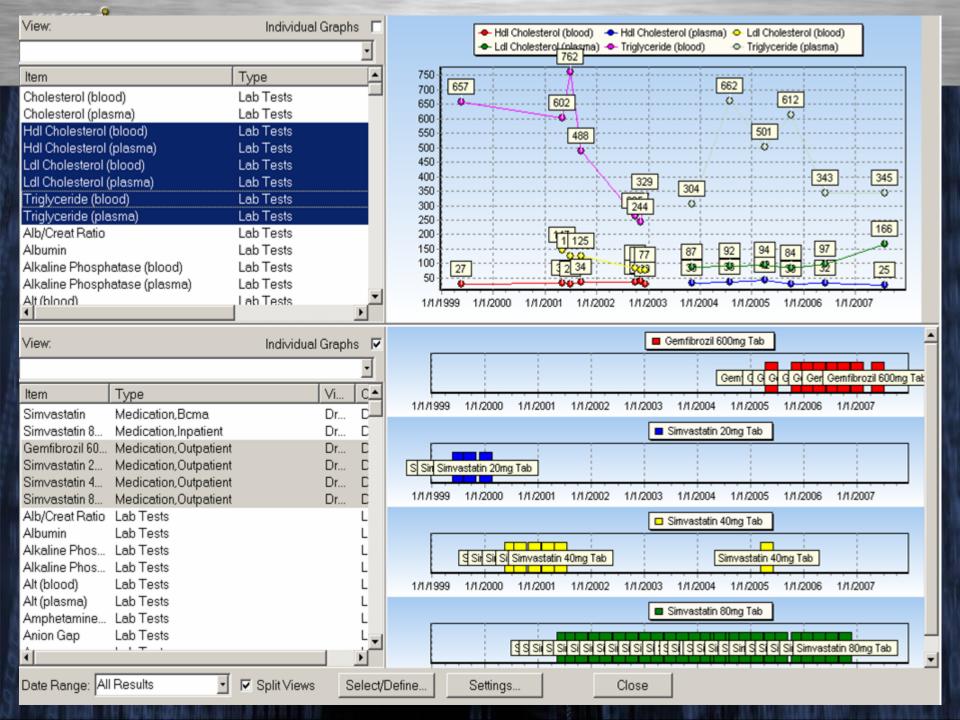
```
example 1: eleven, patient (P11)
```

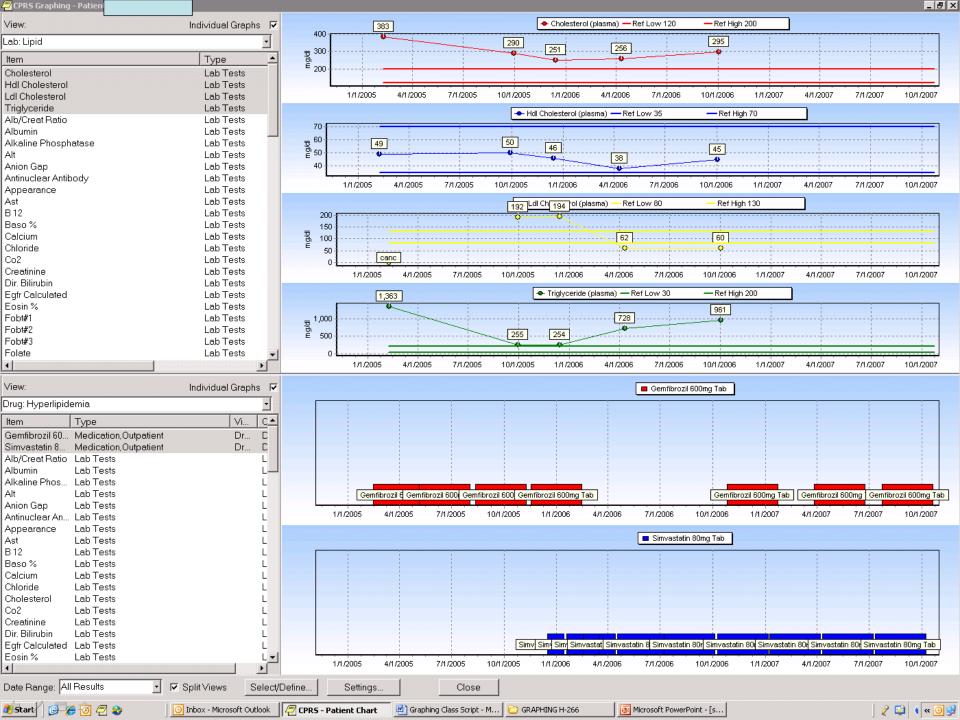
example 2: fifteen, patient (P15)

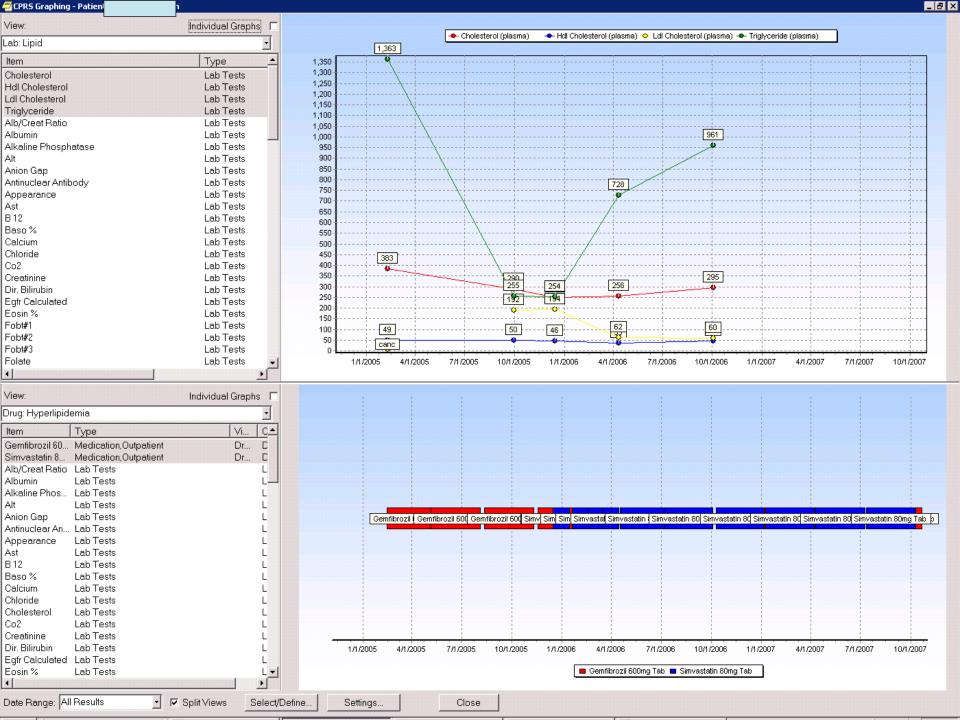






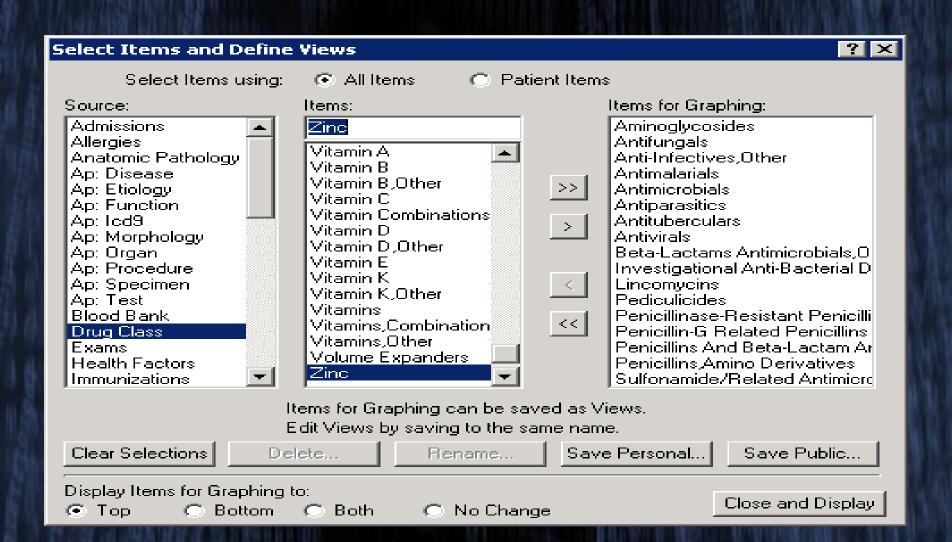








#### Making a list of Antimicrobials



#### Graphs (Pre-defined)

-- BP and HTN Meds

LDL and Lipid Meds

LDL & TG with Meds

- Diabetes & HbA1c

Infection: WBC & Abx

Hep C: ALT & Rx

·Vitals: BP & Wt.

ESRD/Dialysis

-K+/Creat/ACE-ARB

--- HIV: CD4 & Meds

Chemotherapy, WBC, Hb

Anemia



## INNOVATIONS FOR GENERATIONS

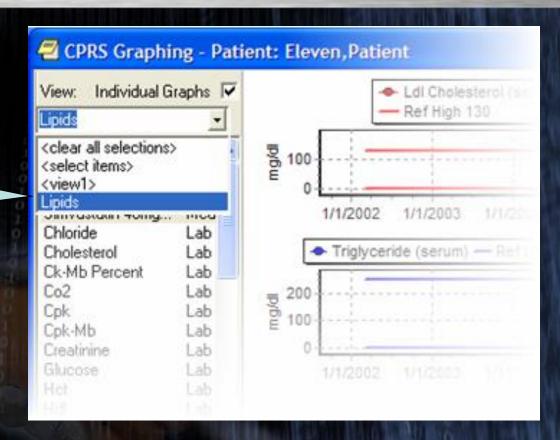
## **Graphing: Technical Detour**

Kevin Meldrum
CPRS Developer



#### Personal & Public Views

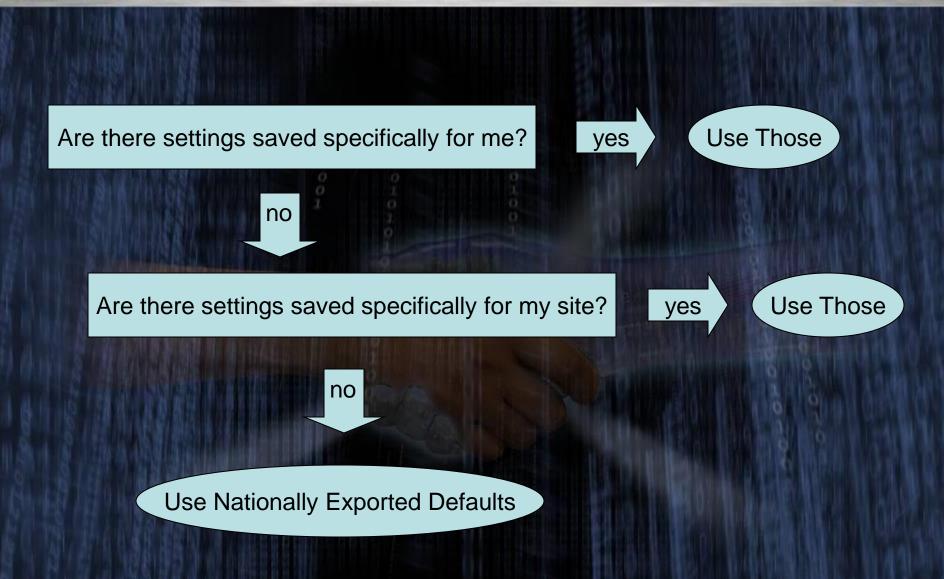
Views that have been saved show in this drop-down list.



- A View has items (tests, drug classes, etc.).
- A Saved View has a <u>Name</u>.



#### Technical Detour: Which Settings?



#### Technical Detour: Namespace

Namespaces organize the system.

Cprspatient, One

Family Name

Given Name

#### ORWG GRAPH PUBLIC EDITOR CLASS

**Family Name** 

Given Name



#### Graphs on the Reports Tab

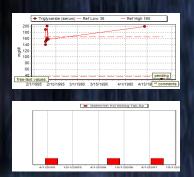
#### OE/RR REPORT file

Available Reports: ORWRP REPORT LIST

Graph Report Menu: ORZ GRAPHS

Graph Report: ORZ LIPIDS

#### **Public Views**



- Graph Report turns a view into a report.
  - 1 or two view may be in a single report.
- Graph Report Menu allows multiple graph reports.
- Available Reports contains the full list of reports shown on the reports tab.



#### Going Public

- Choose an appropriate User Class
  - Clinical Coordinators, for example
- Use the Parameter Editor to assign the User Class to the parameter:
  - ORWG GRAPH PUBLIC EDITOR CLASS
- This set of users will now have the "Save Public" button



#### Graphing "Cheat": Personal to Public

- Edit the Parameter file (8989.5)
- Select the user of the personal graph
  - Select Parameters Entity: USR.PROVIDER,ABC
- Find the ORWG GRAPH VIEW parameter with the correct name and choose it
  - (You may have a lot of scrolling)
- Change the entity of that entry to your domain name
  - ENTITY: PROVIDER, ABC// SYS.LOCALDOMAIN.MED.VA.GOV

(...or wait for version 27 – much easier...)



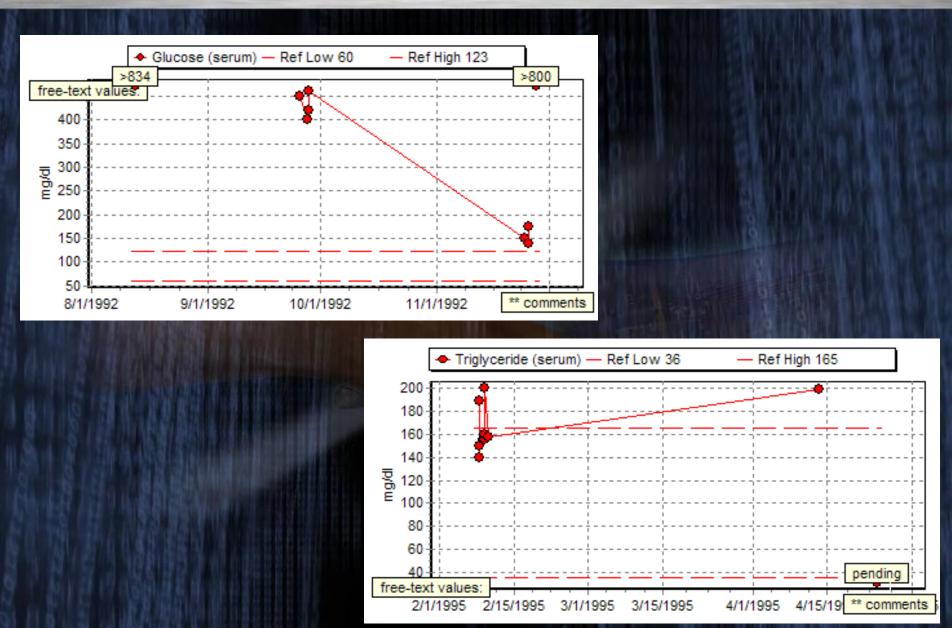
#### **Future Enhancements**

- Performance Improvements (v27)
- Usability Improvements (v27)
- Merge Treat Multiple Items as One
- Remote Data



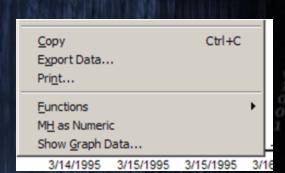


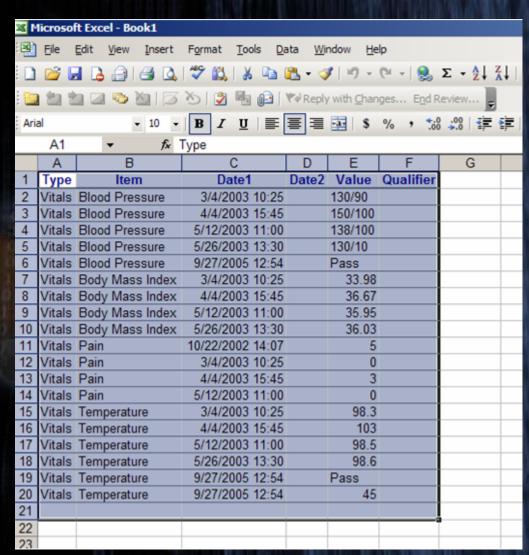
#### **Display of Free Text Comments**





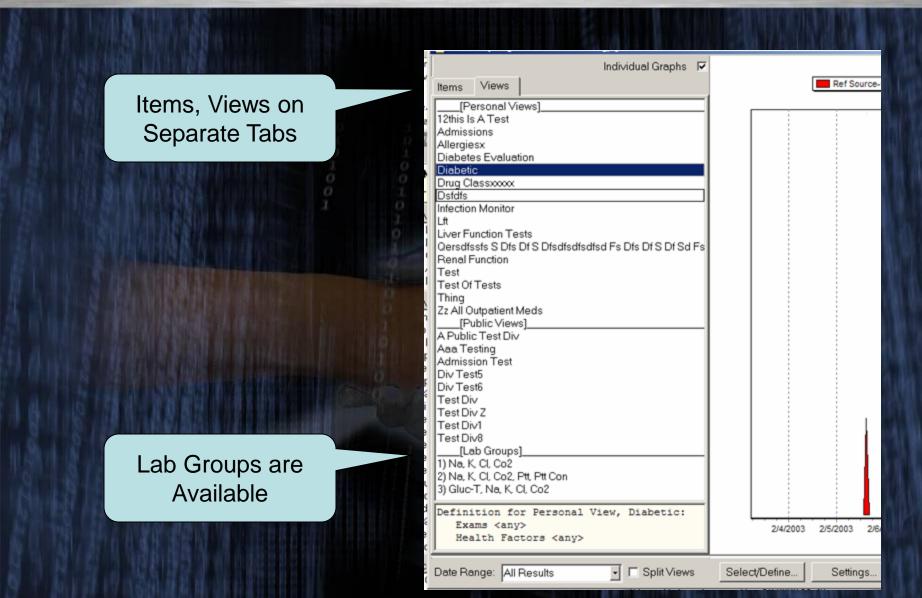
#### Export to a Spreadsheet







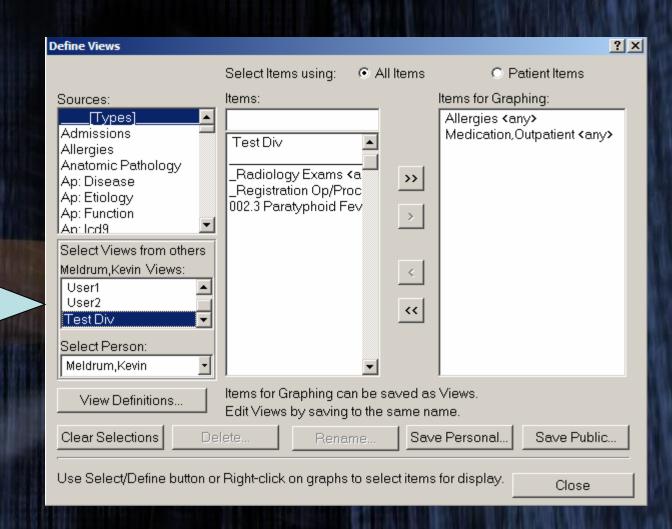
#### Items, Views & Lab Groups





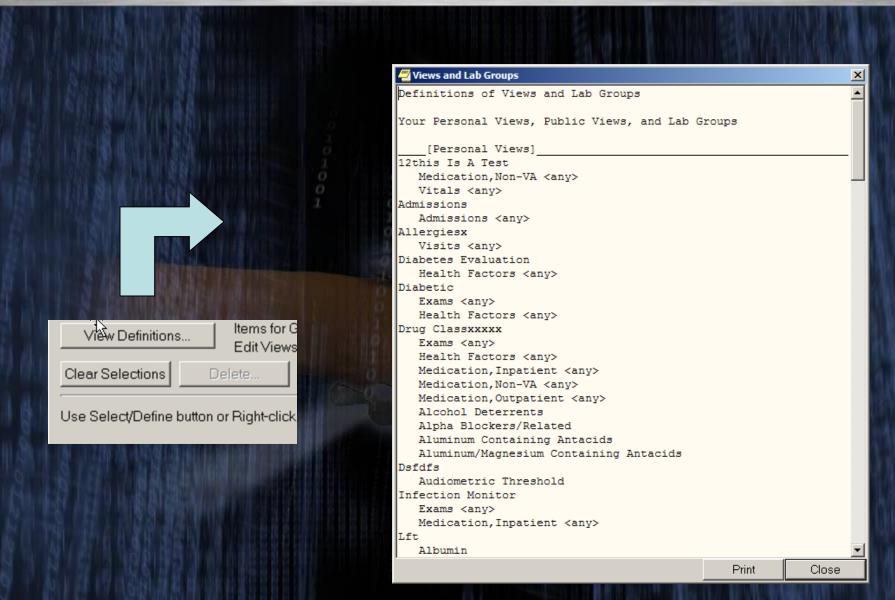
#### **Exchange Personal Views**

Personal
Views & Lab
Groups
Available to
Others



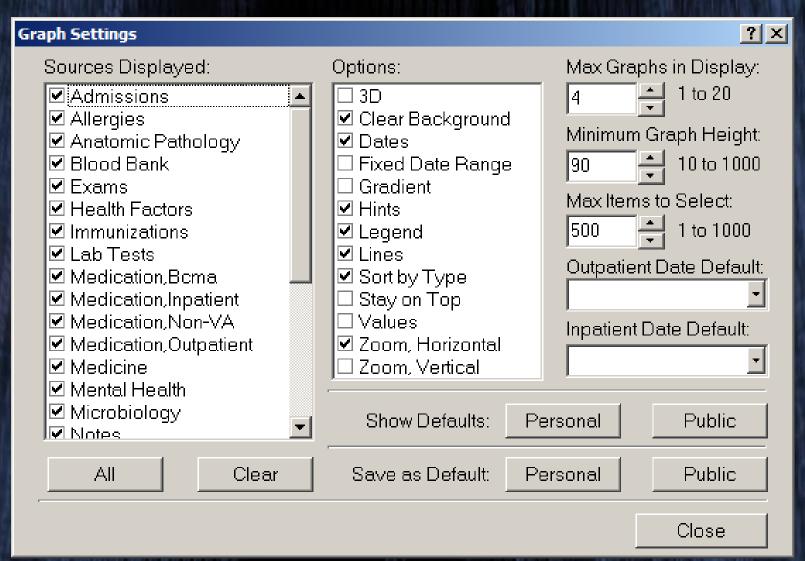


#### Display Definition of a View





#### **Default Date Ranges**





Dr. Schrader's family



## **QUESTIONS?**

