



# Department of Clinical Research Informatics CIO Newsletter

August, 2012 - 71st Edition

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## CRIS HELPFUL TIPS

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- Search for Patient Using Quick ID Field
- Repeat Orders

## DCRI Website

[www.cc.nih.gov/dcric](http://www.cc.nih.gov/dcric)

## CRIS Website

<http://cris.cc.nih.gov>

## CRIS Training

<http://cris.cc.nih.gov/cristraining/plans.html>

## CIO Remarks

Clinical information systems such as our CRIS Sunrise are extremely complex with intricate interconnections and data exchanges between so many systems that at times we long for the days of paper and pencil! The maintenance and updating required is a significant effort and DCRI takes pride in the infrequency of data loss and inaccessibility. Each time we run into an unintended consequence or a system interruption of some kind we learn, and the system learns. One really can't compare the actual and potential gains from today's electronic system to those of our past. The many benefits realized with an electronic record are sometimes taken for granted. When we really think about it, it's pretty amazing how far we've come – but still realize how far we have to go. It's an exciting time to be in and while the journey can sometimes be rough, we applaud our end users who are instrumental in helping us understand how we need to continue to enhance and improve our system to support the exceptional clinical and research care delivered here at the Clinical Center. As I think of the many benefits of our system (listed below), it replaces what can at times be frustrating with a sense of accomplishment and desire to make CRIS a system that is world class.

**CRIS Sunrise** provides integrated management of the NIH Clinical Center's patient care, research, and resource unitization data.

## CRIS Sunrise:

- Improves the quality and efficiency of patient care, clinical research, planning, and hospital operations.
- Provides a standard format for data collection for patient care and research. Includes integrated protocol-based scheduling, order entry, data collection, and charting systems.
- Supplies the information infrastructure to support the intramural clinical research program, patient care services, and efficient hospital management.
- Provides the foundation for an electronic medical record.
- Incorporates security protocols to protect patient confidentiality.
- Provides a standards-based interface which allows for appropriate data retrieval for independent information systems.

Remember CRIS/SCM is your system, so please use your voice to identify improvement opportunities.

It is important to understand that:

- Training (in class or online training) is just the beginning.
- The more time you invest in learning CRIS, the better it will serve you.

Remember CRIS Sunrise is **Your** system, so please use **Your** voice to identify improvement opportunities. Please feel free to email me at [CInewsletter@cc.nih.gov](mailto:CInewsletter@cc.nih.gov) with any suggestions or comments.

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## Drug Cost Coming to CRIS

In order to make it easier for prescribers to be knowledgeable about the costs of medications they are prescribing, a collaborative effort between Pharmacy and DCRI is bringing drug cost information to the forefront of Order Entry for prescribers. Medications account for approximately 10 percent of the overall Clinical Center budget, yet most prescribers are unaware of the costs of individual agents. To arm prescribers with this important information, drug-cost information will be added to CRIS throughout the month of August.

The goal of this initiative is to aid prescribers in identifying the most cost-effective therapeutic agent at the time of order entry. All of us need to be mindful of cost-cutting opportunities in these very challenging economic times. The decision as to which therapeutic agent(s) to use lies with the prescriber and must be based on the clinical setting and the clinician's judgment; however, in many instances less expensive therapeutic agents may be equally as effective as more expensive alternatives. Having this information immediately accessible will help prescribers identify cost-effective therapeutic alternatives where feasible, while not delaying the order entry process.

### How were costs calculated?

The drug cost is based on the average daily doses that are used at the Clinical Center, thus allowing comparisons within therapeutic groups. The calculated common dosage was reviewed by the Clinical Pharmacy Specialists and then corrected to the nearest available dosage form/size.

### Key Points:

- Prescribers don't have to do anything different
- Cost will be available for commercial formulary items and is derived from actual government cost
- For inexpensive medicines, the minimum cost represented will be \$1 / day
- The cost of multiple dose items such as tubes of ointment or inhalers for example were divided by 30 to represent the average daily cost

Example of CRIS Order Entry Worksheet showing Antilipidemic medications and associated costs.

The screenshot displays the CRIS Order Entry Worksheet for the category 'Pharmacy' and sub-category 'Antilipidemics'. The interface includes a tree view on the left, a central table of medications with their costs, and a right-hand panel with various action buttons.

Order	Cost
Atorvastatin 10 mg tablet	\$1.70/day
Atorvastatin 20 mg tablet	\$1.70/day
Atorvastatin 40 mg tablet	\$1.70/day
Atorvastatin 80 mg tablet	\$1.70/day
Cholestyramine Powder for Oral Susp 4 grams per 9 grams	\$4.24/day
Colestipol Micronized 1 gm tablet	\$3.41/day
Colestipol Powder for Oral Suspension 5 gm	\$4.83/day
Ezetimibe 10 mg tablet	\$2.50/day
Gemfibrozil 600 mg tablet	\$1.00/day
Omega-3-Acid Ethyl Esters Inpatient: 2 grams, bid	\$3.32/day
Omega-3-Acid Ethyl Esters Inpatient: 4 grams, qd	\$3.32/day
Omega-3-Acid Ethyl Esters Take Home: 2 grams, bid	\$3.32/day
Omega-3-Acid Ethyl Esters Take Home: 4 grams, qd	\$3.32/day
Pravastatin Sodium 10 mg tablet	\$1.00/day
Pravastatin Sodium 20 mg tablet	\$1.00/day
Simvastatin 20 mg tablet	\$1.00/day
Simvastatin 5 mg tablet	\$1.00/day

If the cost information is wrapping, expand the column by adjusting the width on the cost label.

Order	Cost
Atorvastatin 10 mg tablet	\$1.70/day
Atorvastatin 20 mg tablet	\$1.70/day

For more information, please contact Robert DeChristoforo at [rdechris@nih.gov](mailto:rdechris@nih.gov)

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## Clinical Search: Bedside Information Tool in CRIS

Hospitals provide a multitude of clinical information resources that can overwhelm users who are looking for quick answers at the bedside. The NIH has over 40 resources (e.g., Formulary, UpToDate, Micromedex, Chemical MSDS). The NIH Library and Department of Clinical Research Informatics worked together to combine the resources from the library and hospital into an easy-to-use tool called **Clinical Search** that allows users to quickly find needed information via CRIS. The user can enter terms into the search box or go directly to a resource on the interface. The tool retrieves the hit counts from searchable resources.



### Clinical Search

A bedside care information tool available in CRIS. Search over 20 hospital, clinical and library tools.

- UpToDate
- Micromedex
- NIH Formulary
- NIH Lab Tests
- And lots more.....

### Just Search, Click and GO....

- Focus on patient care
- Patient education
- Evidence-based medicine
- Nursing Information
- Drug resources
- Available on the CRIS Toolbar



For more information, contact Bradley Otterson or Brian Brown at the NIH Library at (301) 496-1080.

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## Reminder About PIV Card Certificate Renewals

- If you receive an email from HHSIdentity <donotreply@hhs.gov>, These emails are not phishing attempts. The digital certificate associated with your PIV cards expires after one year for contractors and two years for government staff. HHS sends an email to all users 42 days prior to the certificate's date of expiration. The subject line of the email is **ACTION REQUIRED: The certificates on your HHS ID Badge must be renewed.** Please read the directions provided for renewing your card's digital certificate and contact a Lifecycle Workstation Operator to set up an appointment right away.
- Certificates can be renewed In Bldg 10, South Lobby Badge Station, Room 1C52. Hours of Operation are 8:00am – 4:30pm.

To schedule an appointment:

- DPSAC contact phone number: 301-496-0051
- DPSAC contact e-mail: [orspersonnelsecurity@mail.nih.gov](mailto:orspersonnelsecurity@mail.nih.gov)

Additional LWS Operators and LWS units, organized by IC and by Site and Building can be found at <http://www.ors.od.nih.gov/ser/dpsac/badge/Pages/lifecycle.aspx>

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## Reminder to take Annual Privacy Refresher training!

**Completion Date: September 1, 2012** for CC staff.

- This course is mandatory
- Visit <http://irtsectraining.nih.gov> (go thru [NIH Login](#))
- Enter the Personal Identifier from the back of your ID badge (ex. 012-3456-789)
- Login to take the 2012 Annual Privacy Awareness Refresher



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## Prevent Privacy Incidents

The HHS Privacy Incident Response Team (PIRT) has recommended efforts be improved for real-time training of employees after a privacy incident.

**What is a privacy incident?** The loss of control, compromise, unauthorized disclosure, acquisition, access or potential access to physical or electronic information that can personally identify an individual (i.e., contact information, date/place of birth, race, gender, financial data).



**Big Breach at MD Anderson Cancer Center:**

A laptop stolen from a physician’s home in April 2012 contained data for approx. 30,000 patients. One third of the records included names, SSNs, medical record numbers, and treatment and/or research information.

**Is there a risk to mishandling NIH data?** Yes, both to the affected individuals and our agency. The 2011 Annual HHS PIRT Report analyzed 176 incidents and reported internal actors are the largest cause of privacy incidents. The number is expected to increase due to misuse and abuse of resources and privileges such as the loss and theft of portable devices and e-mails containing PII sent outside of the agency without encryption.

**What can you do?** Encrypt files that contain personal identifiers. Do not store personal data on your home work station or laptop. Use VPN to access data from a remote location.

Immediately upon discovery of a privacy incident, contact the [NIH IT Service Desk](#)

Phone (301) 496-4357 | Toll Free (866) 319-4357 | TTY (301) 496-8294

**Privacy Questions? Contact the Office of the Senior Official for Privacy (OSOP)**  
at [privacy@mail.nih.gov](mailto:privacy@mail.nih.gov) or (301) 451-3426.

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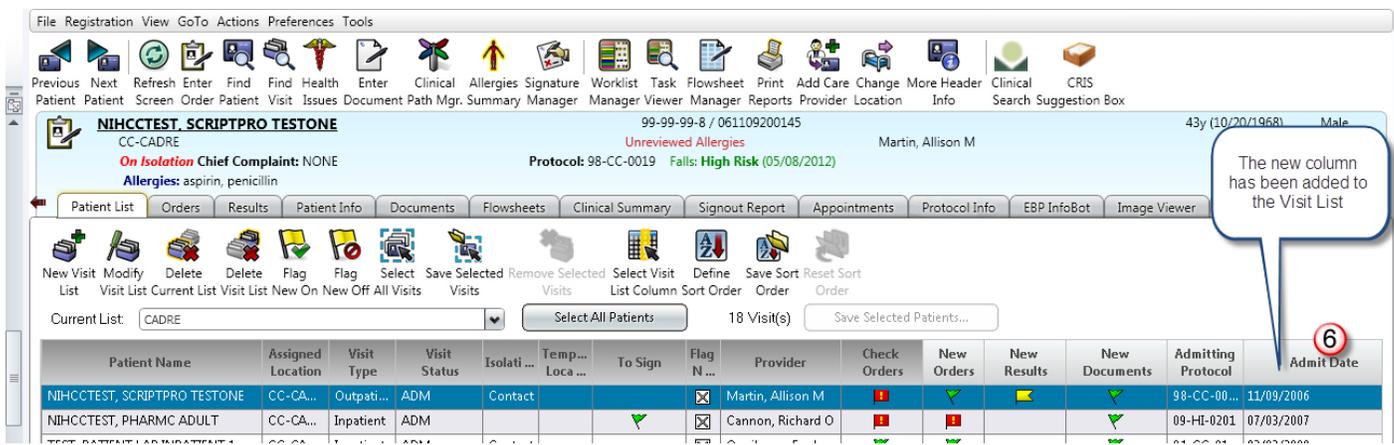
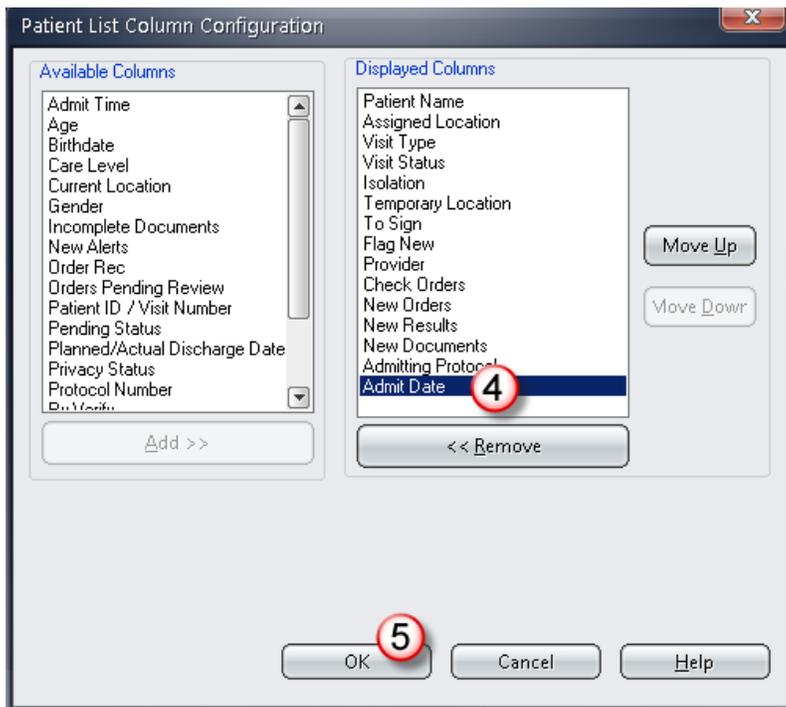
## CRIS Helpful Tips

### Adding a Column to the Patient List Tab

A column can be added to the Patient List tab when you have selected a Special/Personal patient list or a Criteria Based list. You also have the ability to adjust the order of the columns as well as remove columns.

A criteria based patient list – the columns on this tab can be customized. See below.

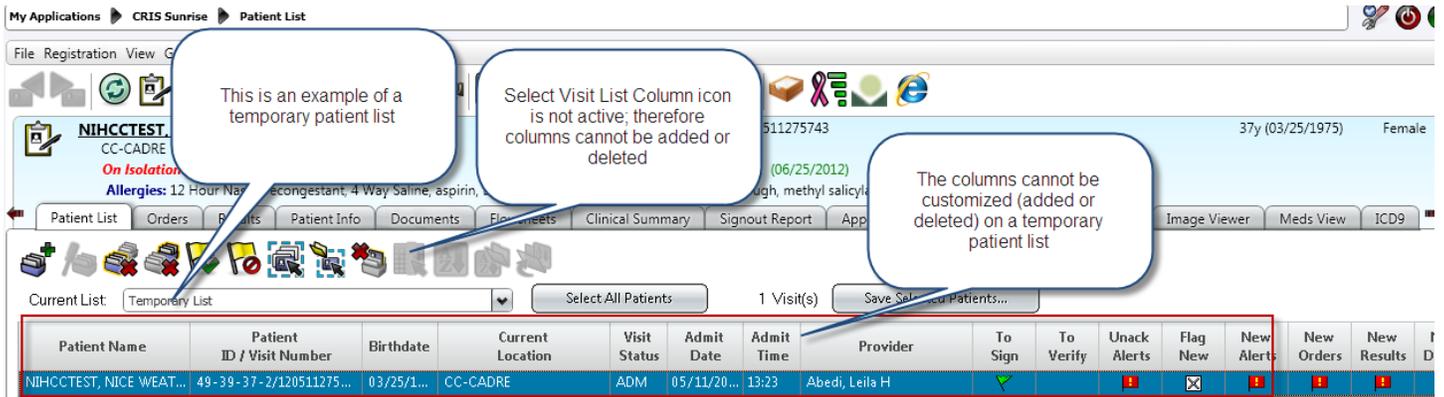




(Full Size Image)

Note: Columns on the **Patient List** tab **cannot** be customized when you have selected a **Temporary List**.

A temporary patient list – the columns on this tab cannot be customized. See below.



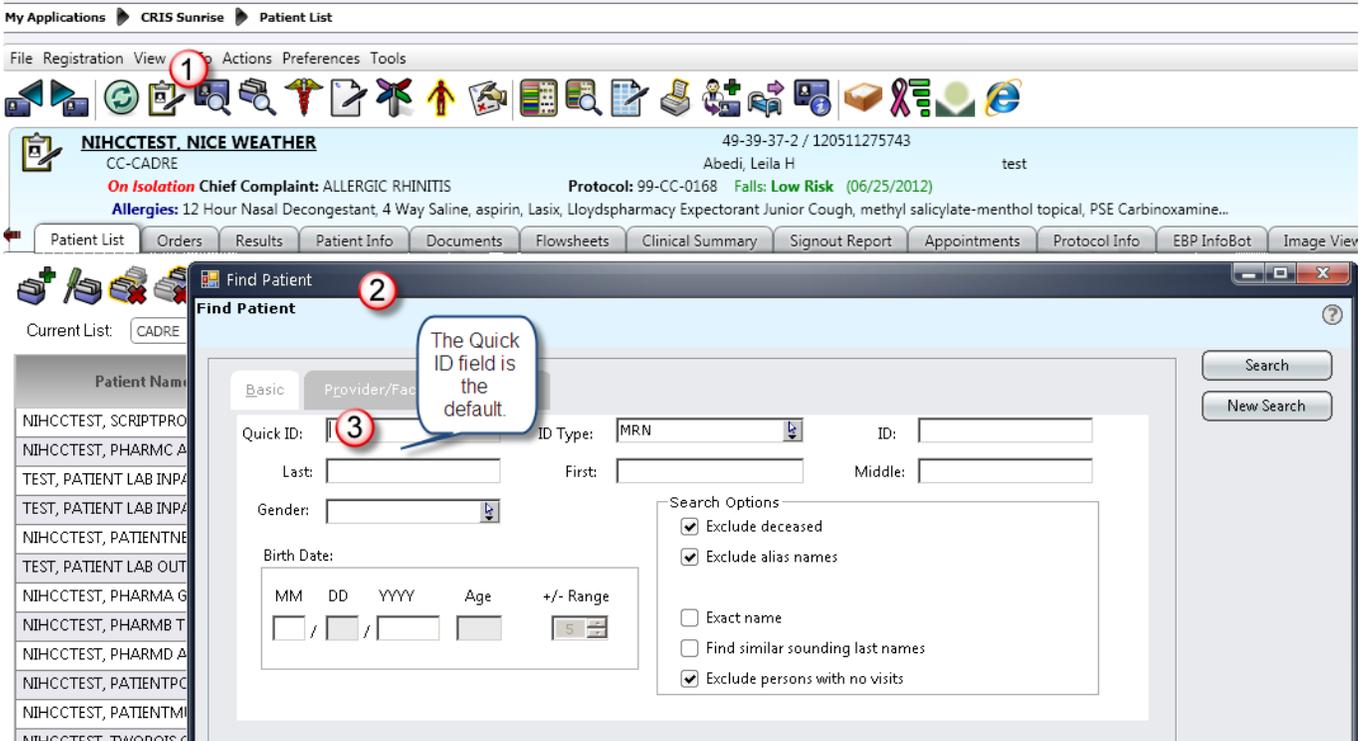
(Full Size Image)

[See Also: Adding the Isolation Status Column \(June 2012 CIO Newsletter\)](#)

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## Search for Patient Using Quick ID Field

The Find Patient icon on the toolbar is used to search for a patient. In the Find Patient window, the default tab is Quick ID.



(Full Size Image)

**Find Patient**

Enter the letter "m" followed by a hyphen "-". Then type the MRN number without hyphens

Quick ID:  ID Type:  ID:

Last:  First:  Middle:

Gender:

Birth Date:

MM DD YYYY Age +/- Range

/  /

Search Options

- Exclude deceased
- Exclude alias names
- Exact name
- Find similar sounding last names
- Exclude persons with no visits

Search **5**

New Search

Show Visits

Create Visit

OK Cancel

(Full Size Image)

**Find Patient**

Quick ID:  ID Type:  ID:

Last:  First:  Middle:

Gender:

Birth Date:

MM DD YYYY Age +/- Range

/  /

Search Options

- Exclude deceased
- Exclude alias names
- Exact name
- Find similar sounding last names
- Exclude persons with no visits

Search

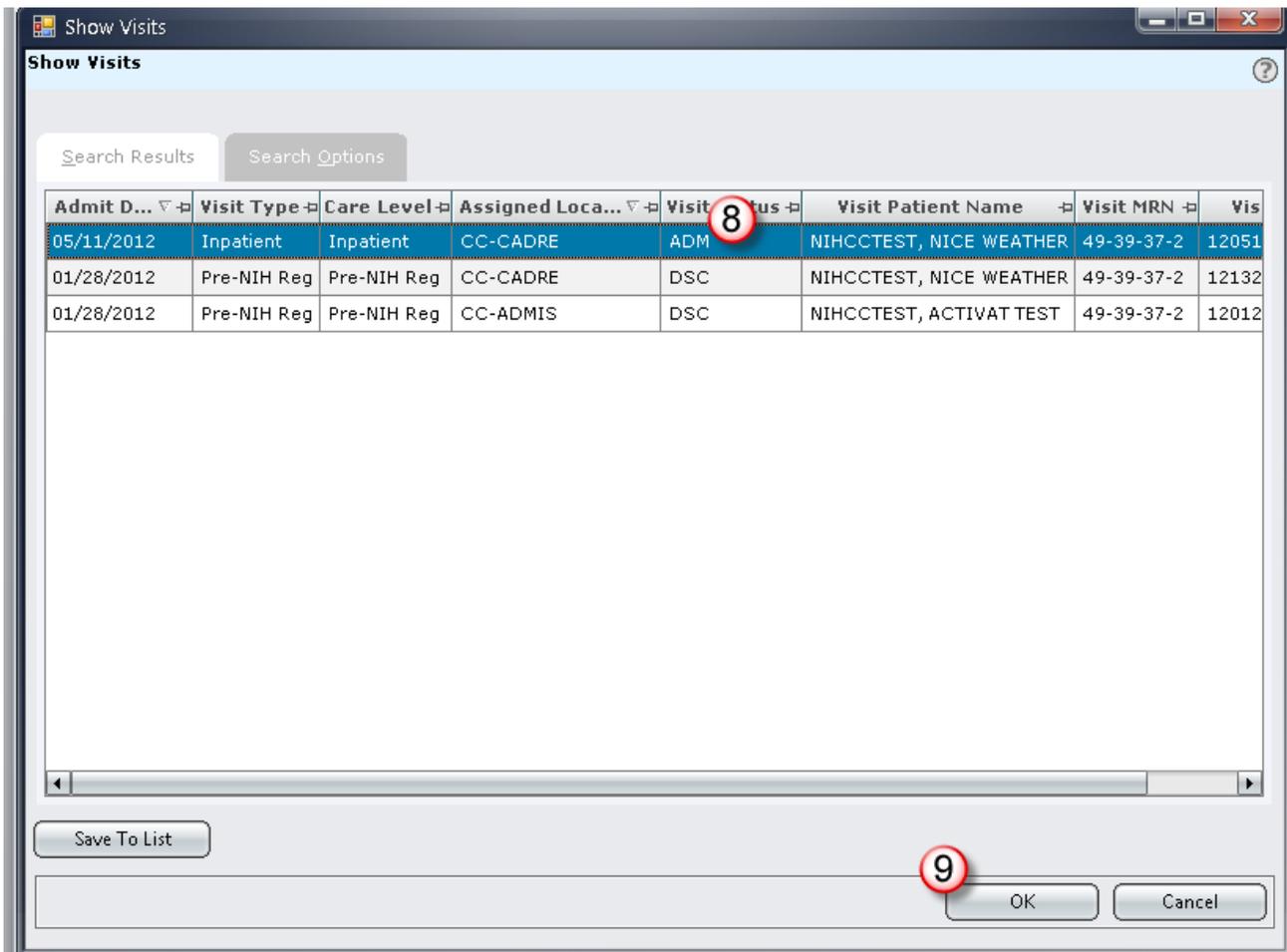
New Search

Name	Gender	Birth Date	Deceased Date	Medical Record Number
NIHCCTEST, NICE WEATHER	Female	03/25/1975	NA	4939372 <b>6</b>

Show Visits **7**

Create Visit

(Full Size Image)



(Full Size Image)

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## Repeat Orders

Repeat orders are those orders that are placed in CRIS with a defined repetition pattern. For example, labs may be ordered hourly, daily, or weekly for a number of instances.

Repeat orders may be ordered with a **Priority** of either (1) **Routine** **OR** (2) **Non-STAT Time Sensitive**.

- **For Routine** (This is generally for 6am bloodwork. **Routine** is the default **Priority** for all lab orders at this time)
  1. On the desired order form, confirm that the **Priority of Routine** is selected.
  2. Complete all order fields on form as appropriate.
  3. Select the **Repeat** button. The **Repeat Order** dialogue window displays.

NIHTESTONE WASHINGTON NMN 85-08-64-1 / 102018206067 90y (02/02/1922) Female  
 CRC-1NW Adelstein, Robert S Prot: 87-CC-0091 DOB:1922Feb02  
 Allergies: codeine

Order: CBC Order ID: 002BBC848  
 Requested By: Briguglio, Claudia Template Name:  
 Messages: This test does not include a Differential.

Allocate Order to Protocol:  
 Conditional Order  Max # of activations:   
 Priority: Routine Reason for STAT or Priority Request:  
 Collect Specimen On: 07/16/2012  
 Alternate Printing Note: Specimen collection and label printing will occur at the patient's registered clinic/unit location at the time the specimen is due to be drawn. If you want specimen collection and label printing to occur elsewhere, indicate location in the field below.  
 Specimen Collection/Label Printing Site:  
 Blinded:   
 Special Instructions:

Item Info Repeat View Document OK Cancel

(Full Size Image)

4. Select the desired **Repetition Pattern** and **Every** frequency.
5. Confirm that **Routine** displays in the **Scheduled Times** field.
6. Set the desired number in the **End After** field.
7. Click **OK**. You will return to the order entry form.
8. Click **OK**.
9. Click **Submit**.

Repeat Order - NIHTESTONE, WASHINGTON NMN

Repetition Pattern  
 Hourly Every: 1 Day(s)  
 Daily  
 Weekly  
 Monthly  
 Irregular

Scheduled Times (00:00-23:59)  
 Routine  
 Add to list:

Range of repetition  
 Start: 07/16/2012 13:25  
 End After 2 occurrences. (2-99)  
 End by:  
 07/17/2012 6:00

OK Cancel Help

- **For Non-Stat Time Sensitive** (used to define multiple times on a given day):

1. On the desired order form, confirm that the **Priority** field is blank (you will need to delete choice already in field).
2. Fill out the remaining fields as indicated.
3. Click the **Repeat** button.

(Full Size Image)

4. Select the desired **Repetition Pattern** and **Every** frequency.
5. In the **Add to list** field, select **Non-STAT Time Sensitive**.
6. Select the desired time(s).
7. Click **Add**.
8. Set the desired number in the **End After** field.
9. Click **OK**.
10. You will return to the order entry form. Click **OK**.
11. Click **Submit**.

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