



Updates!

e-Newsletter from Iatric Systems, Inc.

July, 2006

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1. Message from Senior Management

Some Quick Thoughts and Observations

John Danahey, Vice President of Customer Services



It is summer time and vacations are in full swing. I toiled for hours trying to determine the best topic for this message considering the time of year. Rather than dig too deep into any one topic, I decided to simply list some of the thoughts that crossed my mind. Hopefully this makes for some light reading for those of you that are sitting at the beach and still reading your email.

Comments are always welcome.

- All of these RHIOs creating CPI's – If they succeed, will they help their member organizations clean up their MPI's?
- I am trying to write a Crystal Report from our CRM System (SQL). If I could use NPR, this would be so much easier! I guess it's just what you know.
- My favorite compliment from our first VFS User Group Meeting – "It's so nice to work with a company that actually listens to its customers." Congratulations to our VFS Development and Support Teams.
- MEDITECH Client Server 6.0 – Many rumors, no real information. If you have heard anything substantive from MEDITECH, let us know so we can share with the rest of the community.
- Demand for Interfaces continues to grow, fueled by HIEs and Physician Office EMRs.
- Kudos to community hospitals for their creative uses of existing IT investments to meet user needs. The MEDITECH community is full of these types of hospitals. They are getting the job done with limited budgets and over-extended staff.
- Iatric Systems' iTask System went live this year. Phew! Glad we had this in place before The Candid CIO's most recent Blog entry. (<http://www.candidcio.com>)
- I just signed my parents up for DSL for only \$15/month (Verizon). Anyone remember paying \$19/month on AOL with a top speed of 28Kbps?
- Iatric Systems has grown 2,500% since my first day of employment.

- MEDITECH in Australia – I bet the Implementation Consultants are jockeying for assignments.

Have a fun and safe summer!

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2. Ashe Memorial Named Outstanding Rural Health Organization



Iatric Systems would like to congratulate [Ashe Memorial Hospital](#), Jefferson, NC, for receiving the [National Rural Health Association's](#) (NRHA) 2006 Outstanding Rural Health Organization of the Year award!

Each year, NRHA presents awards to groups and individuals to recognize their work in Rural Health Research, Programming, Education, Individual Effort & Organizational Services.

"As I have said many times before, it is not the bricks and mortar which make up Ashe Memorial; but it is the people who serve our community who make our organization the best it can be," said R.D. Williams, CEO.

Ashe Memorial is a QHR managed, private non-profit rural hospital with 27 staffed, acute care beds and a 60-bed long-term skilled nursing facility on the hospital campus. Supported solely by patient revenues, it has served the health care needs of Ashe County for the past 65 years.

Ashe Memorial Hospital provides a wide range of outreach health services in addition to supporting many programs that have assisted in the remarkable improvement in the health status of the county's residents. The hospital demonstrates its compelling vision, exceptional leadership, and excellence by continuing to support, facilitate, and promote collaborative projects that work toward the vision of a healthier Ashe County.

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3. C/S MobiLab LIVE at Satilla



The Client/Server version of [MobiLab](#) went LIVE recently at its first site, [Satilla Regional Medical Center](#). Satilla, a 9-county regional referral center located in Waycross, GA, handles over 7,000 inpatient admissions and 40,000 ED visits annually, and the hospital's staff of 13 phlebotomists collects approximately 9,000 specimens each year.

MobiLab assists Satilla's phlebotomy team by utilizing wireless barcode handheld and printer technology to reduce patient identification and specimen labeling errors. Beth Rogers, Laboratory Manager at Satilla and head of the team that implemented MobiLab, said, "It only took the Satilla staff 4 hours to train on the MobiLab process along with hardware. The staff is thrilled and excited about the MobiLab product. They can't be without it now."

Linda Trask, Iatric Systems MobiLab Product Manager, was on-site for the go-live, and indicated, "Satilla was an excellent group to work with – they thoroughly tested the new C/S version of MobiLab prior to go-live, and they're simply some of the nicest people I've ever had the pleasure of meeting." Linda went on to say, "By the time I left, the entire phlebotomy team was fluent in using the system, and I have to give credit to Beth and her staff. Beth was very supportive, and provided constant problem solving in terms of process revision to ensure MobiLab integrated well with their workflow."

MobiLab is already live at 7 MAGIC sites, and the product is now available in general release to [MAGIC](#) and [Client/Server](#) customers. If you would like to see MobiLab in action, please join us at one of our upcoming MobiLab webcasts. Webcasts are online, real-time interactive sessions that you can attend from the comfort of your own office, and they are provided at no charge. We will be hosting a special series of MobiLab webcast demonstrations in August:

Webcast Date	Day	Time
08/16/2006	Wednesday	2:00 PM Eastern
08/22/2006	Tuesday	2:00 PM Eastern
08/24/2006	Thursday	2:00 PM Eastern
08/30/2006	Wednesday	2:00 PM Eastern

To register, simply click the session date, and please be sure to include your **name, phone number and hospital name**. We'll promptly send you registration confirmation and instructions on how to participate.

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4. MobiLab Achieves KLAS Top Overall Score



Iatric Systems' [MobiLab](#) handheld specimen collection system received "Top Overall Score" in the Specimen Collection Barcoding specialty niche category of KLAS' recently published Top 20 Mid-Year Report Card.

[KLAS](#) is an independently owned and operated organization that interviews hospital personnel and healthcare providers in order to measure healthcare technology vendor performance. The company then produces vendor performance reports based on the rigorous interviews.

The KLAS "Specimen Collection Barcoding" specialty niche category has only recently been added to KLAS' radar. "Iatric Systems is committed to providing innovative solutions backed by outstanding customer service to hospitals operating the Meditech HCIS. Achieving top overall score in this new KLAS category confirms the high level of customer satisfaction we've set out to achieve," commented John Danahey, VP of Customer Services at Iatric Systems. He added, "We work very closely with our customers to ensure MobiLab is seamlessly integrated with Meditech yet at the same time delivers robust features and functionality."

Following are just a few of the positive comments customers reported to KLAS regarding MobiLab:

"Since we began using Iatric MobiLab, we have not had a mislabeled specimen or wrong draw on the wrong patient."

"The audit trail that MobiLab provides me is awesome. At a glance, I know exactly who has been doing what. It used to be so easy for some of my people to work around the system and inaccurately report what they were doing. Those days are now gone with MobiLab. This is a great management tool."

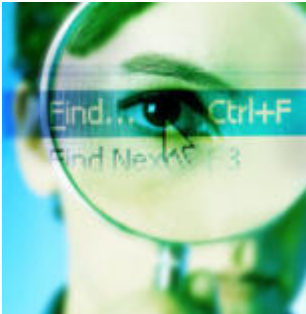
"I like how we can receive stat orders without having to go down to the lab to receive them. By having the wireless network, we can pull down the orders wherever we are in the hospital."

"I like the instructions and reminders MobiLab gives when I am dealing with a draw, like reminding me to keep certain samples on ice, etc."

To find out more about MobiLab, register to attend a MobiLab webcast demonstration by visiting the [Upcoming Webcast Schedule](#) area of our website, or simply [contact us](#) for more information.

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5. Searching the Meditech-L Archives



For all of you Meditech-L users, Iatric Systems has updated the [Meditech-L Archives](#) searching capabilities on our website. You may now search for multi-word phrases and the acronym OR (Operating Room) which was previously always treated as a logical operator.

For those of you not familiar with the [Meditech-L](#), it is an internet mailing list (like a bulletin board) established and maintained by volunteer users for the Meditech user community. It is NOT controlled by any vendor (including Iatric Systems). In order to enable Meditech-L users to more easily locate information, a number of years ago, Iatric Systems created the Meditech-L Archives, which is housed on our website and includes Microsoft Indexing search features.

We recently improved the search capabilities in our Meditech-L Archives. If you haven't searched our Meditech-L Archives in a while, give them a try! Here are some tips you may find useful:

New Capabilities:

- **Phrase searching.** For example, type in "physician orders" (including the quotation marks). The search will render all postings containing the search phrase allowing you to search for multi-word phrases.
- **To search using the acronym for the Operating Room (OR), place quotation marks around it.** For example, type "OR" and you can now search for postings containing the word "OR". **Note** - If you do not include the quotation marks around the word "OR", the search engine will treat it as the logical **OR** operator.

Previous Capabilities:

- **To find all messages related to one thread without a lot of other unrelated messages mixed in, put the original message's subject line in quotes in the query.** For example, copying "[MEDITECH-L] Controlling Top Margin in NPR" into the query will render Gloria Reid's initial question, together with all of the responses to her posting. **NOTE:** Do not use parentheses around MEDITECH-L, use only brackets, e.g. [MEDITECH-L]. Using parentheses will render an error message. Also, be sure to remove any extra RE: or FW: notations from the subject line.
- **Use NEAR between the words in your query.** For example, instead of using Duplicate Medical Records as a query, use duplicate NEAR medical NEAR records, which greatly reduces the number of messages returned. This enables you to narrow down your search, but prevents you from having to use restrictive quotation marks around the phrase.
- **Use AND NOT to get rid of annoying topics you don't want to see.** For example, the query Physician Office Interface Software will render quite a few messages including many job postings you may not care to see. Physician office interface software AND NOT job AND NOT position will eliminate those job postings and bring the total number of messages to review down to something a little more manageable.

You can find a full listing of Meditech-L Archive search tips at <http://www.iatric.com/information/meditech-search-tips.asp>.

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6. NPR Report Writing Tips

Write your code with a program (C/S and Magic)

A common reason to need to code a large number of query mnemonics is when a screen is built to collect fields or related information, using a "set" of queries for each "record", for example the home medication section of an NUR assessment might contain 34 sets of 6 queries to document:

Medication, Dose, Frequency, Schedule, Purpose, and Last Dose.

Because of the lack of a "linked-multiple" feature, you must build 204 queries (34 sets x 6 queries per set) to document up to 34 home medications.

If these 34 set of queries are named "MED1..MED34", "DOSE1..DOSE34", "FREQ1..FREQ34" etc, you can write code that builds the query names in a 1 to 34 loop. If the CDS builders at your hospital follow such nice patterns, read no further as a DO loop and a concatenate command will serve to make your "map" of queries.

It is rare to be so lucky. Recently I had to code a report for a site that used a different numbering scheme for each of 6 queries, x 34 sets, for example one query was named with trailing numbers like this:

10-14, 16-18, 53-57, 62, 58-61, 65-69, 109, 91,93,95,97,99,101,103,105,107

The best way to deal with this is to write an NPR report that can build a table of query mnemonics from the MIS.SCREEN data, so that you can automatically build a structure like this in your NPR Report:

```
/MAP[SET] = Q(mnemonic1,mnemonic2,mnemonic3,mnemonic4,mnemonic5,mnemonic5)
```

You run the MIS.SCREEN report to download, cut and paste the text into a "start" macro, and you can be sure that you have not made any typos which will cause you to omit or mix up data.

Here are the steps to follows:

- 1) Use the LIST CUSTOMER DEFINED SCREEN standard report to print your CDS to paper.
- 2) Find the "sets" of queries and mark the start and end of each set, take careful note of any sets of labels used between the start of the sets of queries and the end of the last set of queries.

For example, if you have 34 sets of 6 queries set up as 17 sets from Query 36-137 then 6 labels from Query # 138-143, then 17 more sets from Query# 144 - 245, what you use in the code generating report is two ranges:

Code Map for Meds

FOR SCREEN

NUR.PD JOE

From FIELD NUMBERS

Thru FIELD NUMBERS

37
144

137
245

Number of Queries Per Set **6**

Working from the paper listing should make getting the ranges to use pretty straightforward.

RUN DATE: 06/24/06
RUN TIME: 0845
RUN USER: IATRIC

MIS *LIVE*
CUSTOMER-DEFINED SCREENS

23	NUR.PD0768	17	50	:		SAME	52
24	NUR.PD0769	18	50	:		SAME	52
25	NUR.PD0770	19	50	:		SAME	52
26	NUR.PD0804	20	35	:	Other:	SAME	42
27	NUR.RECON3	1	1	:	Reconcile Meds Only?	SAME	22
28	NUR.PD0728	2	1	:	Medications Usage:	SAME	23
29	NUR.PD0699	3	1	:	Medications		
30	NUR.PD0669	3	31	:	Dose		
31	NUR.PD0661	3	50	:	Frequency		
32	NUR.PD0189	3	69	:	Last Dose		
33	NUR.PD0729	2	79	:	SCH/		
34	NUR.PD0730	3	79	:	PRN		
35	NUR.RECON	3	84	:	Reconcile		
36	NUR.PD0153	4	1	:	Aspirin?	SAME	18
37	NUR.PD0676	4	27	:		SAME	28
38	NUR.PD0677	4	38	:		SAME	39
39	NUR.PD0771	4	70	:		SAME	71
40	NUR.PD0679	4	79	:		SAME	80
41	NUR.PD0028	4	85	:		SAME	86
42	NUR.PD0154	5	1	:	Ibuprofen?	SAME	18
43	NUR.PD0081	5	27	:		SAME	28
44	NUR.PD0082	5	38	:		SAME	39
45	NUR.PD0772	5	70	:		SAME	71
46	NUR.PD0084	5	79	:		SAME	80
47	NUR.PD0083	5	85	:		SAME	86
48	NUR.PD0155	6	1	:	Tylenol?	SAME	18
49	NUR.PD0096	6	27	:		SAME	28
50	NUR.PD0087	6	38	:		SAME	39
51	NUR.PD0773	6	70	:		SAME	71
52	NUR.PD0089	6	79	:		SAME	80
53	NUR.PD0098	6	85	:		SAME	86

START (circled 37)
LABEL START (circled 144)
Set 1 (handwritten)
2 (handwritten)
3 (handwritten)

RUN DATE: 06/24/06
RUN TIME: 0845
RUN USER: IATRIC

MIS *LIVE*
CUSTOMER-DEFINED SCREENS

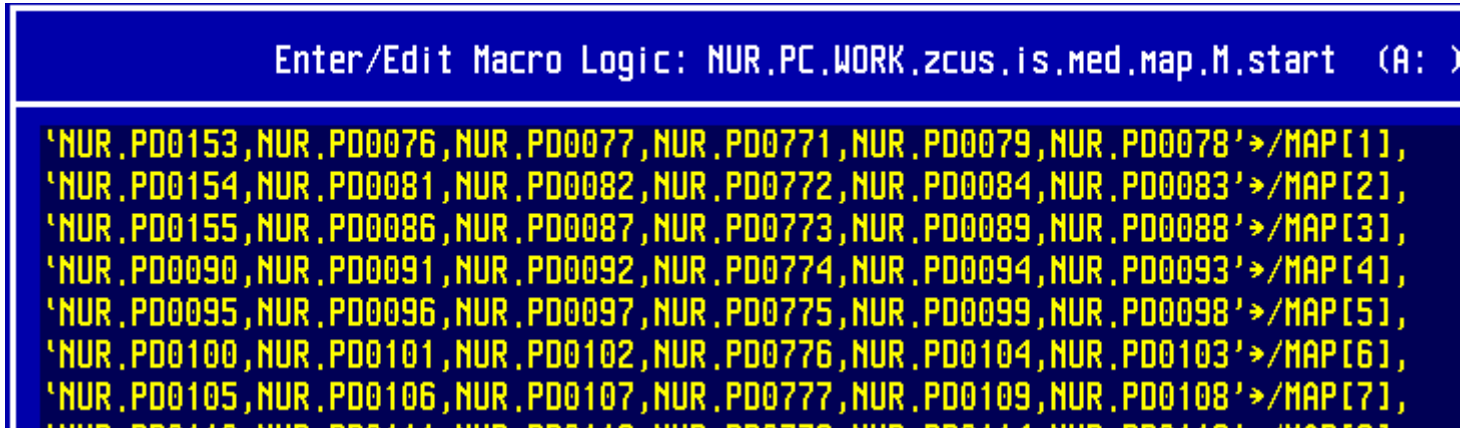
137	NUR.PD0178	20	85	:		SAME	86
138	NUR.PD0140	1	2	:	Medication:		
139	NUR.PD0141	1	31	:	Dose:		
140	NUR.PD0142	1	50	:	Frequency:		
141	NUR.PD0668	1	69	:	Last Dose		
142	NUR.PD0807	1	79	:	SCH/		
143	NUR.RECON1	1	84	:	Reconcile		
144	NUR.PD0180	2	1	:		SAME	2
145	NUR.PD0181	2	27	:		SAME	28
146	NUR.PD0182	2	38	:		SAME	39
147	NUR.PD0788	2	70	:		SAME	71
148	NUR.PD0184	2	79	:		SAME	80
149	NUR.PD0183	2	85	:		SAME	86
150	NUR.PD0538	3	1	:		SAME	2
151	NUR.PD0539	3	27	:		SAME	28
152	NUR.PD0540	3	38	:		SAME	39
153	NUR.PD0789	3	70	:		SAME	71
154	NUR.PD0542	3	79	:		SAME	80
155	NUR.PD0541	3	85	:		SAME	86
156	NUR.PD0543	4	1	:		SAME	2
157	NUR.PD0544	4	27	:		SAME	28
158	NUR.PD0545	4	38	:		SAME	39
159	NUR.PD0790	4	70	:		SAME	71
160	NUR.PD0547	4	79	:		SAME	80
161	NUR.PD0548	4	85	:		SAME	86

END (circled 137)
17 (handwritten)
LABELS (handwritten)
NEXT RANGE (handwritten)
2 (handwritten)
3 (handwritten)

The report that will provide the magic code to queue each set of query mnemonics into temporary array built as follows:

```
/MED[Set Number] = Q(Query1, Query2,Query3,Query4,Query5,Query6)
```

Run the MIS.SCREEN report to download, then open the file with Wordpad, Notepad, or Word and copy the text into the clipboard, then paste into your NPR Report macro.



You may not be familiar with the left apostrophe, right apostrophe syntax in magic. This automatically quotes and queues a set of strings. It is easier to generate this code, than to build the quotes into the strings send in the download file.

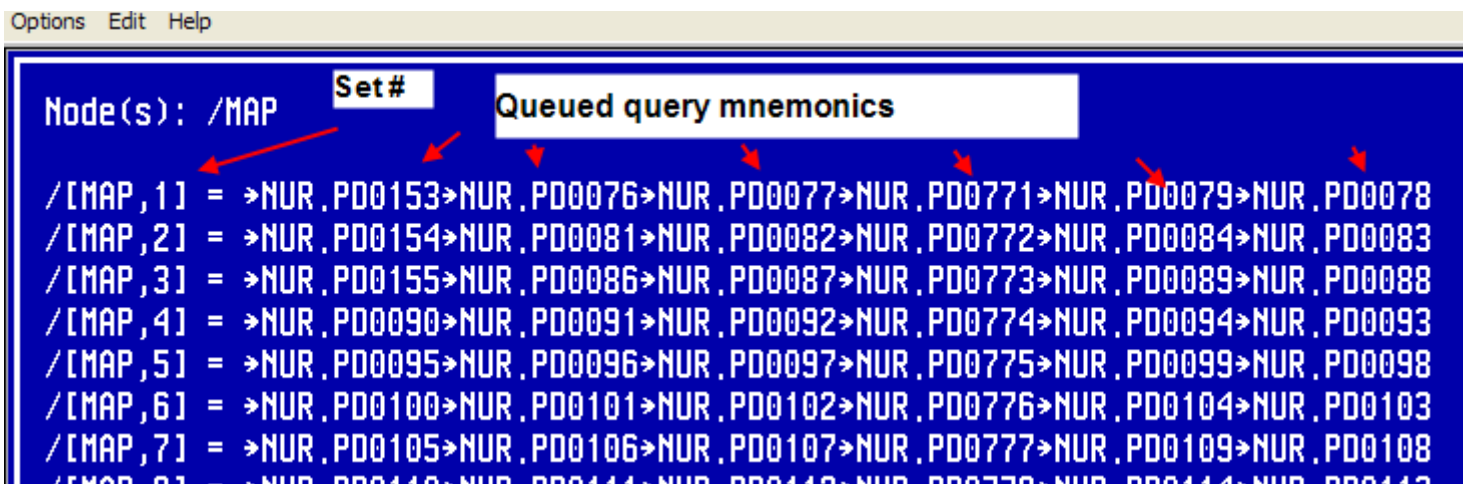
All of the following lines of code do the same thing:

```
{"QUERY1","QUERY2","QUERY3"} ^/MAP[1],
```

```
Q("QUERY1","QUERY2","QUERY3") ^/MAP[1],
```

and

```
'QUERY1,QUERY2,QUERY3' ^/MAP[1],
```



This technique is more often useful for Magic sites with NUR, but the utility report for both C/S and Magic have been uploaded to our report library: MIS.SCREEN.zcus.is.make.code.from.queries

If you are curious about the code in the MIS.SCREEN report, the trick is to loop thru a range list of ee.query.no, and send the appropriate text to the download file:

Enter/Edit Macro Logic: MIS.SCREEN.zcus.is.make.code.from.queries.M.d

```
set these values so you do not get a "no records found message",
1>/R.FOUND>/R.PAGE.NUM,
">SET,
-(c.ee.field.no[""],BOT),
;start first line with the left apostrophe,
"'">!,
DO{+(c.ee.field.no[START],END)>START @CHECK.RANGE,@PROCESS}

CHECK.RANGE
IF{END-START+1\c.xx.skip=0;
  @W.err("Range "_START_" "_END_" Not evenly divisible by "_c.xx.skip")}

PROCESS
">CNT,
START>ee.field.no,
@Prev(ee.field.no),
DO{@Next(ee.field.no)'>END 1+CNT>CNT,
  @ee.query_IF{CNT'=c.xx.skip ","}>!,
  IF{CNT=c.xx.skip @FLUSH}}

FLUSH
SET+1>SET,"">CNT,
"'>/MAP["_SET_"]_IF{ee.field.no'=BOT ","}_D(13,10)>!,
;add starting left apostrophe unless done (at BOT),
IF{ee.field.no'=BOT "'>!}
```

For extra credit, we use the "modulus" (remainder on division) operator to check to see that the user's ranges match the "number of queries per set" value they provided.

You can find additional NPR Tips on our website at <http://www.iatric.com/information/npr-tips.asp>, as well as information about our [on-site NPR Report Writer Training](#) and [NPR Report Writing Services](#).

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7. Newsletter Sign-Up/Contacting Us

[Sign up for our Updates! newsletter](#), or do so by visiting the lower right section of our website's [homepage](#).

You may also request to discontinue receiving our newsletter by sending an e-mail at info@iatric.com.

If you've received this newsletter via e-mail, you may give us feedback by simply replying to the e-mail. However, if you would like to reach someone directly, please feel free to contact one of the individuals listed below.

Joel Berman, President, 978-805-4101, JoelB@iatric.com

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