HealthCare Information Technology Capability Survey

University of Iowa, Iowa city IA

This is a questionnaire designed to be completed by administrators in an ambulatory setting. The tool includes questions to assess the current state of enterprise systems.

CREATING VALUE WITH INFORMATION SYSTEMS IN IOWA HOSPITALS

A FEASIBILITY AND INFRASTRUCTURE SURVEY

For questions, please contact:

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HealthCare Information Technology Capability Survey

A. General Questions:

Please use a **CHECK** mark or **CIRCLE** to answer the following questions:

1) How many information technology (IT) personnel (FTEs) are employed by your hospital EXCLUDING consultants or sub-contractors? (Please check ONE)

☐ None   ☐ 6-10   ☐ 31-50

☐ 1-2   ☐ 11-20   ☐ Greater than 50

☐ 3-5   ☐ 21-30

2) To what extent does your hospital rely on external consultants or sub-contractors to support use of IT applications? (Please circle ONE number for each area)

	Not at All	→			A Great Deal	Don't Know
a) Business System Applications	1	2	3	4	5	9
b) Clinical System Applications	1	2	3	4	5	9

3) Is your hospital part of a system or network? (Please select ONE)

Part of a network or system? ☐ Yes   ☐ No (If **NO** skip to question 5)

4) If you answered YES to question 3, , to what extent does the system or network influence your hospital's IT Business System and Clinical Systems application purchasing decisions? (Please circle ONE number for each area

Extent Network or System influences purchase decisions:

	Not at All	→			A Great Deal	Don't Know
a) Business System Applications	1	2	3	4	5	9
b) Clinical System Applications	1	2	3	4	5	9

5) Which of the following IT functions used to support your business and clinical processes are either totally or partially OUTSOURCED? (Please check ALL that apply)

☐ None   ☐ Help desk

☐ Web site/Internet (maintenance/development)   ☐ Systems integration

☐ Applications development   ☐ Computing facility

☐ User training outsourcing   ☐ Full IT department

☐ Network operations, monitoring and support   ☐ E-business

☐ System installation   ☐ Asset management

☐ Technical Support   ☐ Interim CIO/Director

☐ PC support   ☐ Project management

☐ Database management   ☐ Don't Know

                                              ☐ Other:_____

6) To what extent does your hospital rely on Application System Providers (ASPs)? (Please circle ONE number for each area)

Definition: ASP is a special form of outsourcing through which a third party entity manages and distributes software-based services and solutions to customers across a wide area network from a central data center. ASP services are different from normal outsourcing in that the ASP company holds the licenses to the software provided.

	Not at All				A Great Deal	Don't Know
a) Business System Applications	1	2	3	4	5	9
b) Clinical System Applications	1	2	3	4	5	9

7) If you answered "not at all" to question 6, why has your hospital not used an ASP? (Please check ALL that apply)

- ☐ An ASP is not financially feasible for our hospital.
- ☐ Our hospital has not found an appropriate ASP.
- ☐ Our hospital has not evaluated an ASP.
- ☐ An ASP would not be appropriate or beneficial for our hospital
- ☐ Don't know
- ☐ Other _____

8) Which of the following technologies does your hospital currently use? (Please check ALL that apply)

- ☐ None
- ☐ High Speed Networks (LANs, WANs)
- ☐ High Speed Internet connection
- ☐ Intranet (linking internal users behind firewall)
- ☐ Extranet (linking external users -secure connection)
  - ☐ Physician Portals (Access)
  - ☐ Patient Portals (Telehealth)
- ☐ Telemedicine
  - ☐ Digital Imaging – Remote interpretation
  - ☐ e-Laboratory
  - ☐ e-Pharmacy
  - ☐ Video Conferencing – consultations
  - ☐ Remote Patient Monitoring
- ☐ Web site with general hospital information

- ☐ Web-enabled business transactions
- ☐ Client-server systems
- ☐ Bedside workstations
- ☐ Thin Client workstations
- ☐ Laptop or tablet PC's
- ☐ Wireless
- ☐ Speech Recognition Systems
- ☐ Imaging Technology; e.g. PACs (Internal)
- ☐ Automated alerts/paging
- ☐ Nursing Call Systems
- ☐ Interface Engine
- ☐ Bar Coding Technology
- ☐ RFID Technology
- ☐ Don't Know
- ☐ Other _____

B. Systems

In the following section, please use a check to indicate your hospital's current and planned systems. Please place a **CHECK** in **BOTH** the "**current systems**" and "**planned systems**" sections for each row. Also, please indicate the vendor that your hospital is planning to use (if known) or if you currently have a system and are not planning to install a new system – the present vendor's name.

Systems	Current Systems			Planned Systems				Vendor/Product name (if applicable)
	None	Presently Operational	Presently Installing	No Plans	Planning – no budget commitments	Budgeted and reviewing vendors	Budgeted and vendor selected	If Planning – selected vendor if known OR Present Vendor if not replacing or new vendor is unknown
1. Administrative Systems								
a) Office Systems (E-mail, Word Processing, spreadsheets)	☐	☐	☐	☐	☐	☐	☐	
b) Financial Systems (G/L, Accounts Payable)	☐	☐	☐	☐	☐	☐	☐	
c) Budgeting	☐	☐	☐	☐	☐	☐	☐	
d) Inventory Control	☐	☐	☐	☐	☐	☐	☐	
e) Human Resources	☐	☐	☐	☐	☐	☐	☐	
f) Time and Attendance	☐	☐	☐	☐	☐	☐	☐	
g) Credentialing and Privileges	☐	☐	☐	☐	☐	☐	☐	
h) Patient Registration	☐	☐	☐	☐	☐	☐	☐	
i) Patient Scheduling	☐	☐	☐	☐	☐	☐	☐	

Systems	Current Systems			Planned Systems				Vendor/Product name (if applicable)
	None	Presently Operational	Presently Installing	No Plans	Planning – no budget commitments	Budgeted and reviewing vendors	Budgeted and vendor selected	If Planning – selected vendor if known OR Present Vendor if not replacing or new vendor is unknown
j) Patient Billing	☐	☐	☐	☐	☐	☐	☐	
k) Coding Systems (3M)	☐	☐	☐	☐	☐	☐	☐	
l) Contract Management	☐	☐	☐	☐	☐	☐	☐	
m) Document Scanning	☐	☐	☐	☐	☐	☐	☐	
n) Referral Tracking	☐	☐	☐	☐	☐	☐	☐	
o) Clinical and Financial Data Repository (retrospective reporting and decision support)	☐	☐	☐	☐	☐	☐	☐	
2. Clinical Systems								
a) Electronic Health Record (EHR or EMR)	☐	☐	☐	☐	☐	☐	☐	
b) Order Entry (Clerk entry)	☐	☐	☐	☐	☐	☐	☐	
c) Computerized Provider Order Entry (CPOE)	☐	☐	☐	☐	☐	☐	☐	
d) ICU System (bedside connection of monitors)	☐	☐	☐	☐	☐	☐	☐	
e) Dictation Systems - Not integrated with EHR	☐	☐	☐	☐	☐	☐	☐	

Systems	Current Systems			Planned Systems				Vendor/Product name (if applicable)
	None	Presently Operational	Presently Installing	No Plans	Planning – no budget commitments	Budgeted and reviewing vendors	Budgeted and vendor selected	If Planning – selected vendor if known OR Present Vendor if not replacing or new vendor is unknown
f) Dictation Systems Integrated with EHR	☐	☐	☐	☐	☐	☐	☐	
g) Electronic Documentation (Point of Care Nursing)	☐	☐	☐	☐	☐	☐	☐	
h) Electronic Documentation (Ancillary Departments)	☐	☐	☐	☐	☐	☐	☐	
i) Clinical Decision Support Systems	☐	☐	☐	☐	☐	☐	☐	
j) Access to Clinical Reference Material	☐	☐	☐	☐	☐	☐	☐	
k) Pharmacy Inpatient	☐	☐	☐	☐	☐	☐	☐	
l) Pharmacy Outpatient	☐	☐	☐	☐	☐	☐	☐	
m) Pharmacy – Medication Dispensing Cabinets (Pyxis)	☐	☐	☐	☐	☐	☐	☐	
n) Electronic Meds Administration	☐	☐	☐	☐	☐	☐	☐	
o) Laboratory – General Chemistry	☐	☐	☐	☐	☐	☐	☐	
p) Laboratory – Pathology	☐	☐	☐	☐	☐	☐	☐	
q) Laboratory – Blood Bank	☐	☐	☐	☐	☐	☐	☐	

Systems	Current Systems			Planned Systems				Vendor/Product name (if applicable)
	None	Presently Operational	Presently Installing	No Plans	Planning – no budget commitments	Budgeted and reviewing vendors	Budgeted and vendor selected	If Planning – selected vendor if known OR Present Vendor if not replacing or new vendor is unknown
r) Radiology Management System (RIS)	☐	☐	☐	☐	☐	☐	☐	
s) PACs – Picture Archival	☐	☐	☐	☐	☐	☐	☐	
t) Emergency Department System	☐	☐	☐	☐	☐	☐	☐	
u) Remote Patient Monitoring Systems								
I. Home	☐	☐	☐	☐	☐	☐	☐	
II. ICU	☐	☐	☐	☐	☐	☐	☐	
v) Disease Registry Systems	☐	☐	☐	☐	☐	☐	☐	
w) Ambulatory Practice System	☐	☐	☐	☐	☐	☐	☐	
x) Quality Outcomes and Utilization Tracking	☐	☐	☐	☐	☐	☐	☐	
y) Bar Coding Applications								
I. Patient Identification	☐	☐	☐	☐	☐	☐	☐	
II. Meds Administration	☐	☐	☐	☐	☐	☐	☐	
III. Lab Specimens	☐	☐	☐	☐	☐	☐	☐	
IV. Supplies	☐	☐	☐	☐	☐	☐	☐	
V. Movable Equipment	☐	☐	☐	☐	☐	☐	☐	
VI. Chart /film Tracking	☐	☐	☐	☐	☐	☐	☐	

C. Conclusion

We may be following-up with selected hospitals in order to understand how various HIT systems are integrated. Therefore, we would appreciate you providing the following contact information to assist us in that analysis.

Which of the following best describes your job title? (Please check ONE)

☐ CEO   ☐ IT Manager

☐ COO   ☐ Director or Manager of Medical Records

☐ CFO   ☐ Other: _____

☐ CIO/Director of Information Systems

Name: _____

Telephone Number: _____

Email: _____

Hospital: _____

City: _____

If you would like to receive the results of the present study, please check the corresponding box: ☐

We would like to thank you for your time. Please return this survey in the self-addressed envelope.