# 2009 AHA Annual Survey Information Technology Supplement Health Forum, L.L.C.

Please return to: AHA Annual Survey Information Technology Supplement 155 N. Wacker Drive Chicago, IL 60606

**Please Note:** Where specified, this year's survey includes new questions designed to capture your current level of adoption and future plans in the context of meaningful use. This information will help inform government on the state of health IT in hospitals as relating specifically to meaningful use proposed standards.

GENERAL INSTRUCTIONS: Please respond to each of the following questions as of the day the survey is completed.

## 1a. Does your hospital have a computerized system which allows for:

	Functiona	lities we cont	inue to meas	ure		
(Fully implemented means it has completely replaced paper record for the function.)	(1) Fully Implemented Across <u>ALL</u> Units	(2) Fully Implemented in <u>at least</u> <u>one</u> Unit	(3) Beginning to Implement in <u>at least one</u> Unit	(4) Have Resources to Implement in the next year	(5) Do Not have Resources but Considering Implementing	(6) Not in Place and Not Considering Implementing
Electronic Clinical Documentation						
a. Patient Demographics						
b. Physician notes						
c. Nursing notes						
d. Problem lists						
e. Medication lists						
f. Discharge summaries						
g. Advanced directives (e.g. DNR)						
Results Viewing						
a. Laboratory reports						
b. Radiology reports						
c. Radiology images						
<ul> <li>d. Diagnostic test results (e.g. EKG report, Echo report)</li> <li>e. Diagnostic test images (e.g. EKG tracing)</li> </ul>						
f. Consultant reports						
<b>Computerized Provider Order Entry</b> (Provider (e.g., MD, APN, NP) directly enters own orders that are transmitted <b>electronically</b> )						
a. Laboratory tests						
b. Radiology tests						
c. Medications						
d. Consultation requests						
e. Nursing Orders						
Decision Support						
<ul> <li>a. Clinical guidelines (e.g. Beta blockers post-MI, ASA in CAD)</li> <li>b. Clinical reminders (e.g. pneumovax)</li> </ul>						
c. Drug allergy alerts						
d. Drug-drug interaction alerts						
e. Drug-lab interaction alerts f. Drug dosing support (e.g. renal dose guidance)						

	(1) Fully Implemented Across <u>ALL</u> Units	(2) Fully Implemented in <u>at least</u> <u>one</u> Unit	(3) Beginning to Implement in <u>at least one</u> Unit	(4) Have Resources to Implement in the next year	(5) Do Not have Resources but Considering Implementing	(6) Not in Place and Not Considering Implementing
Bar Coding						
a. Laboratory specimens						
b. Tracking pharmaceuticals						
c. Pharmaceutical administration						
d. Patient ID						
Other Functionalities						
a. Telemedicine						
b. Radio Frequency ID						
c. Physician use of personal data assistant (PDA)						

# New functionalities we are measuring this year...

1b. Does your hospital have a computerized system which allows for: (Fully implemented means it has completely replaced paper record for the function.)

(Fully implemented means it has completely replaced paper record for the function.)	(1) Fully Implemented Across <u>ALL</u> Units	(2) Fully Implemented in <u>at least one</u> Unit	(3) Beginning to Implement in <u>at least one</u> Unit	(4) Have Resources to Implement in the next year	(5) Do Not have Resources but Considering Implementing	(6) Not in Place and not Considering Implementing
Electronic Clinical Documentation Do the functionalities of your computerized system include patients':				,		
a. Name, address, contact information						
b. Gender and date of birth						
c. Race and ethnicity						
d. Insurance type						
e. Preferred language for communication with providers of care						
f. Vital signs						
<ul> <li>g. Height and weight and BMI displayed</li> </ul>						
h. Smoking status						
<ul> <li>Comprehensive list of allergies (including medication allergies)</li> </ul>						
j. Summary care record for relevant transitions in care						
Results Viewing a. Generation of a table or graph displaying patient specific lab results over time						
Decision Support	_	_	_	_	_	_
a. Advice on diagnosis		3				

#### 2. Does your electronic system allow you to do the following?

		Yes	No	Do not know
a.	Develop a list of a patient's current medications			
b.	Compare a patient's inpatient and preadmission medication lists			
c.	Provide an updated medication list at time of discharge			
d.	Automatically generate HQA (Hospital Quality Alliance) measures by extracting data from an electronic record for a Medicare inpatient prospective payment system update without additional manual processes.			
e.	Automatically generate PQRI (Physician Quality Reporting Initiative) measures calculated directly from the EHR without additional manual processes			

3. Do any arrangements exist in your area to share electronic patient-level clinical data through an electronic health information exchange (HIE) or a regional health information organization (RHIO)?

Arrangement(s) exist(s)	(select any participation level in 3a)
Arrangement(s) do not exist(s)	(select only second or third participation level in 3a)

3a. Please indicate your level of participation in a regional health information exchange (HIE) or regional health information organization (RHIO).

Participating and actively exchanging data in at least one HIE/RHIO

Have the electronic framework to participate but not participating in any HIE/RHIO at this time

Do not have the electronic framework to participate and not participating in any HIE/RHIO at this time

4. Does your hospital electronically exchange any of the following patient data with any of the providers listed below? (Check all that apply.)

		With Hospitals In Your System	With Hospitals Outside of Your System	With Ambulatory Providers Inside of Your System	With Ambulatory Providers Outside of Your System
a.	Patient demographics				
b.	Clinical care record (clinical history, exam)				
c.	Laboratory results				
d.	Medication history				
e.	Radiology reports				

**Please Note:** The remaining questions are new and designed to capture your current level of adoption and future plans in the context of meaningful use. Again, this information will help inform government on the state of health IT in hospitals as relating specifically to meaningful use proposed standards.

#### 5. In what year did you first deploy an EMR/EHR? \_

Deployed is defined as "going live with at least one major component of the EMR/EHR." EMR/EHR is defined as "Electronically originated and maintained clinical health information derived from multiple sources, about an individual's health status and healthcare. An EHR replaces the paper medical record as the primary source of patient information."

6. Does your electronic system allow you to do the following?

a.	Check insurance eligibility	Yes	No □	Do not know
b.	Submit claims electronically to both public and private payers			
c.	Send reminders to patients for pre-admission and/or follow-up care			
d.	Capture patient consents or authorizations electronically			

7. Is your current system <u>capable of</u> providing patients with an electronic copy of their health information that <u>includes all of the following functionalities:</u> diagnostic test results, problem lists, medication lists, and allergies?

Yes	Proceed to question 7a
No	Proceed to question 8
Do not know	Proceed question 8

7a. Through what mechanism(s) <u>are you currently providing</u> this electronic information? (Please check *all* that apply)

Patient portal	
Secure message	
USB drive or other physical device	
Other (Please List	)
□ None	

8. Do you intend to apply for Medicare or Medicaid incentive payments for meaningful use of health IT?

Yes, Medicare	Proceed to question 8a
Yes, Medicaid	Proceed to question 8a
Both Medicare and Medicaid	Proceed to question 8a
Neither	Proceed to question 8b
Undecided	Proceed to question 8b
Do not know	Proceed to question 8b

8a. In what federal fiscal year (Oct 1- Sept 30) do you plan to make your first application? Please proceed to question 9 after completing answer.

	011			_	2015						
	012	2016-Medicaid only									
	013	After 2016-Medicaid only									
20	014				Do not k	now					
		ou not pursuing payments? (	g or unsu Please ch				e Medica	re/Medica	aid mean	ingful us	e
	1.	Cost - includin	g acquisiti	on and ma	aintenanc	e					
	2.	Lack of access	s to capital								
	3.	Resistance to	implement	ation (e.g	. from phy	ysicians a	and/or oth	er provid	ers)		
	4.	Concerns abo	ut security	or liability	for priva	cy breacl	hes				
	5.	Uncertainty about certification process									
	6.	Lack of vendo	r capacity								
	7.	Lack of adequate IT personnel in the hospital to support implementation/maintenance									
	8.	Challenge of n	neeting all	meaningf	ul use cri	teria with	in implem	entation t	imeline		
	9.	Other (specify)	)								
8c. Of those selected from 8b, please indicate the <u>single largest barrier</u> to reaching meaningful use. (Please select option number appearing in question 8b above.)											
(Piea	ase se	lect option nur									
•		lect option nur nly one)	1	2	3	4	5	6	7	8	9
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10. Does your IT Department currently support an infrastructure for two factor authentication (e.g. tokens or biometrics)?

Yes
No
Do not know

### 11. On the whole, how would you describe your EMR/EHR system?

A mix of products from different vendors

Primarily one vendor

Self-developed

Not Applicable (go to question 13)

**12a. Who provides your primary inpatient EHR/EMR system? (Please check only one)** "Primary" is defined as the system that handles the largest number of patients or the system in which you have made the single largest investment.

	Allscripts	Cerner	eClinical Works	Eclipsys	
	Epic	GE GE	McKesson	<b>MED3000</b>	
	Meditech	NextGen	QuadraMed	Sage	
	Siemens	Self-develop	ed		
	Other (please	ner (please specify)			
	Would prefer	not to disclose			
12b. Who provides your primary outpatient EHR/EMR system? (Please check only one) "Primary" is defined as the system that handles the largest number of patients or the system in which you have made the single largest investment.					
	Allscripts	Cerner	eClinical Works	Eclipsys	
	Epic	🗖 ge	McKesson	MED3000	
	Meditech	NextGen	QuadraMed	Sage	
	Siemens	emens 🗖 Self-developed			
	Other (please specify)				
Would prefer not to disclose					
13. What changes, if any, are you planning for your EMR/EHR system within the next 18 months? (Check <i>all</i> that apply)					
Initial deployment					
	Major change in vendor				
	Major change in architecture				
	"Architecture" is defined as change from enterprise architecture to best of breed or vice versa				

Significant additional functionalities

Do not know

No major changes planned

Thank you for your cooperation in completing this survey. If you are not the CIO or person responsible for information technology, has he or she reviewed your answers to this survey?

Yes No

Respondent Name (please print) Circle CIO or Print Title if other (

(Area Code) Telephone #

\_\_\_\_/\_\_\_/\_\_\_ Date of Completion

Name of CIO (if other than respondent)

NOTE: PLEASE PHOTOCOPY THE INFORMATION FOR YOUR HOSPITAL FILE BEFORE RETURNING THE ORIGINAL FORM TO THE AMERICAN HOSPITAL ASSOCIATION.

THANK YOU