

2023 AHA Annual Survey Information Technology Supplement

Please return to: AHA Annual Survey Information Technology Supplement 155 N. Wacker Drive Suite 400 Chicago, IL 60606

HOSPITAL NAME:_	
CITY & STATE:	

Please Note: This year we continue to include questions designed to capture interoperability and exchange, public health reporting, and advanced analytics. This information will provide important data on the state of health IT and interoperability in hospitals nationwide.

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

Patient Engagement

1a. Does your hospital provide outpatient care to patients? Note: Outpatient care refers to both hospital-based and
satellite outpatient departments/sites.

1. Yes (go to 1b) 2. No (go to 2)

1b. Is there more than one primary EMR/EHR system in use across your outpatient site(s)?

1. Yes 2. No

2. Are patients who receive care provided by your hospital or outpatient sites able to do the following? (Check "Yes" only if the functionality has been "turned on" and is fully implemented and available to patients. Check both (1) and (2) if the functionality is turned on in both inpatient and outpatient settings)

		(1) Yes, at some or all inpatient sites	(2) Yes, at some or all outpatient sites	(3) Not across outpatient or inpatient site(s)	(4) Do not know
a.	View their health/medical information online in their portal				
b.	Download health/medical information from their medical record from your portal				
C.	Import their medical records from other organizations into your portal				
d.	Electronically transmit (send via email or secure message) health/medical information to a third party from your portal (in a <u>structured</u> format such as CCDA)				
e.	View their clinical notes (e.g., visit notes including consultation, progress, history and physical) in their portal				
f.	Access their health/medical information using applications (apps) configured to meet the application programming interfaces (API) specifications in your EHR				

g.

your health system? Check all that apply

- 1. Health information exchanges
- 2. Social service or community-based referral platform (such as Unite Us or Aunt Bertha)
- 3. National networks (e.g., CommonWell, eHealth Exchange, Carequality)
- 4. Other Methods
- 5. Don't know
- 7. If you indicated receiving data on patients' health related social needs from <u>external sources</u>, how do you use these data? Check all that apply.
 - a. For screening at our hospital (e.g., prompt screening, prepopulate screening tool)
 - b. For referrals to social service organization
 - c. For population health analytics
 - d. To inform community needs assessment or other equity initiatives
 - e. To inform clinical decision making
 - f. To Inform discharge planning
 - g. Other, please list: _____

Participation in health information exchange networks

- 8a. Please indicate your level of participation in a <u>state, regional, and/or local</u> health information exchange (HIE) or health information organization (HIO). Note: This does not refer to a private, enterprise network.
 - 1. HIE/HIO is operational in my area and we are participating and actively exchanging data in at least one

Trusted Exchange Framework and Common Agreement

10. Are you aware of the Trusted Exchange Framework and Common Agreement (TEFCA)?

Sending patient health information

14.	14. When a patient transitions to another care setting outside of your organization or hospital system, how of does your hospital use the following methods to SEND					



Public Health Reporting

21a. How does your hospital submit data for public health reporting related to the activities listed below? Please select all options used in each row. Note: this is referring to data generated through clinical processes involving patient care (production data NOT test data).

	(a) Electronic health record	(b) Health information exchange	(c) Portal submission	(d) Flat files (e.g., CSV/XML Files)	(e) Not electronically submitting data (e.g., Fax)	(f) know
1.Syndromic						
surveillance						
reporting						
2.Immunization						
registry reporting						
3.Electronic case						
reporting						
4.Public health						
registry reporting						
Clinical data						
registry reporting						
6.Electronic						
reportable						
laboratory result						
reporting						
7.Antimicrobial use						
and resistance						
(AUR)						
Hospital capacity						
and utilization of						
medical supplies						

21b. What are some of the challenges your hospital has experienced when trying to submit health information to public health agencies to meet CMS reporting requirements for Promoting Interoperability Program? (Please check all that apply in each column)

	(a) Syndromic surveillance reporting	(b) Immunizati on registry reporting	 (d) Public health registry reporting	(e) Clinical data registry reporting	(f) Electronic reportable laboratory result reporting
We feel that public health agencies lack the capacity (e.g., technical, staffing) to electronically <u>receive</u> the information					
We do not have the capacity (e.g., technical, staffing) to electronically send the information					

3. Technical complexity of Q54 209.66 17

Barriers to exchange and interoperability

Which of the following issues has your hospital experienced when trying to <u>electronically</u> (not eFax) send, receive or find (query) patient health information to/from other organizations or hospital systems? Please check *all* that apply and indicate whether the issue is a *major* barrier (i.e., greatly reduces the value or frequency of exchange or prevents exchange with all or most organizations that you would like to exchange information with) or *minor* barrier (i.e., a persistent challenge that modestly reduces the value or frequency of exchange, but does not typically prevent exchange).

22a. Barriers related to electronically sending patient health information

(a)	(b)	(c)
Major barrier	Minor barrier	Not a barrier

^{1.} Providers we would like to electronically send patient health information to dalth

Information Blocking Practices (continued)

Advanced Analytics (continued)

26. To which of the following uses has your hospital applied machine learning or other predictive models? (Please check all that apply)

a.	Predicting health trajectories or risks for inpatients (such as early detection of onset of a disease or condition
	like sepsis; predicting in-hospital fall risk)

- b. Identify high risk outpatients to inform follow-up care (e.g., readmission risk)
- c. Monitor health (e.g., through integration with wearables)
- d. Recommend treatments (e.g., identify similar patients and their outcomes)
- e. Simplify or automate billing procedures
- f. Facilitate scheduling (e.g., predicting no-shows or block utilization).
- g. Other operational process optimization (e.g., supply management) ______
- h. Other clinical use cases _____
- i. None of the above
- j. Don't know

27. Who developed the machine learning or other predictive models used at your hospital? (Select all that apply)

- a. Our EHR Developer b. A third-party developer c. Self-developed
- d. Public domain e. Don't know

28. What share of your machine learning or other predictive models have been evaluated <u>using data from your hospital or health system</u> for:

(1)	(2)	(3)	(4)	(5)	(6)
All models	Most	Some	Few	None	
	models	models	models		

a. Model Accuracy (e.g., sensitivity or specificity)

EHR System and IT Vendors (continued)

31. Overall, how satisfied or dissatisfied are you with your primary inpatient EMR/EHR system	31.	Overall.	how satisfied or	dissatisfied are	vou with v	our primary	, inpatient	EMR/EHR s	vstem
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a. Very satisfied

d. Very dissatisfied

b. Somewhat satisfied

e. Neither satisfied nor dissatisfied

- c. Somewhat dissatisfied
- 32. Do you use the same primary inpatient EMR/EHR system vendor (noted above) for your primary outpatient EMR/EHR system? "Primary" is defined as the system that is used for the largest number of patients or the system in which you have made the single largest investment. Please answer based on vendor name rather than product.
 - a. Yes, share single instance
 - **b.** Yes, but do not share the single instance/version
 - c. No
 - d.