Note: Key FOLLOWS each Question set

Field	Field Description
ID	AHA Identification Number
MCRNUM	Medicare Provider Number
MNAME	Hospital name
MLOCADDR	Street Address
MLOCCITY	City
MSTATE (Formerly labeled MLOCSTCD)	State
MLOCZIP	ZIP code
BDTOT	Total facility beds set up and staffed
MCNTRL	Control/ownership

Key	
Government, nonfederal	Government, federal
12 = State	41 =Air Force
13 = County	42 = Army
14 = City	43 = Navy
15 = City-county	44 = Public Health Service other than 47
16 = Hospital district or authority	45 = Veterans Affairs
	46 = Federal other than 41-45, 47- 48
Nongovernment, not-for-profit	47 = Public Health Service Indian Service
21 = Church operated	48 = Department of Justice
23 = Other	
Investor-owned, for-profit	
31 = Individual	
32 = Partnership	
33 = Corporation	

#### Field

### MSERV

### **Field Description**

Primary service code

- 10 = General medical and surgical
- 11 = Hospital unit of an institution (prison hospital, college infirmary, etc.)
- 12 = Hospital unit within a facility for persons with intellectual disabilities
- 13 = Surgical
- 22 = Psychiatric
- 33 = Tuberculosis and other respiratory diseases
- 41 = Cancer
- 42 = Heart
- 44 = Obstetrics and gynecology
- 45 = Eye, ear, nose and throat
- 46 = Rehabilitation
- 47 = Orthopedic
- 48 = Chronic disease
- 49 = Other specialty
- 50 = Children's general
- 51 = Children's hospital unit of an institution
- 52 = Children's psychiatric
- 53 = Children's tuberculosis and other respiratory diseases
- 55 = Children's eye, ear, nose and throat
- 56 = Children's rehabilitation
- 57 = Children's orthopedic
- 58 = Children's chronic disease
- 59 = Children's other specialty
- 62 = Intellectual disabilities
- 80 = Acute Long-Term Care
- 82 = Alcoholism and other chemical dependency
- 90 = Children's acute long-term

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

	Common Occasion Name	Database Field St	Formanded Field Name
Electronic Clinical Documentation	Survey Question Number	Database Field Name	Expanded Field Name
	01 41	CSEDPD	Dationt domographics (dos.)
a. Patient demographics	Q1_A1	CSEDPD	Patient demographics (doc.) Physician notes (doc.)
b. Physician notes	Q1_B1		•
c. Nursing notes	Q1_C1	CSEDNA	Nursing notes (doc.)
d. Problem lists	Q1_D1	CSEDPL	Problem lists (doc.)
e. Medication lists	Q1_E1	CSEDML	Medication lists (doc.)
f. Discharge summaries	Q1_F1	CSEDDS	Discharge summaries (doc.)
g. Advanced directives (e.g. DNR)	Q1_G1	CSEDAD	Advanced directives (doc.)
Results viewing			
a. Laboratory reports	Q1_A2	CSRVLR	Lab reports (view)
b. Radiology reports	Q1_B2	CSRVRR	Radiology reports (view)
c. Radiology images	Q1_C2	CSRVRI	Radiology images (view)
d. Diagnostic test results (e.g. EKG report, Echo report)	Q1_D2	CSRVDR	Diagnostic test results (view)
e. Diagnostic test images (e.g. EKG tracing)	Q1_E2	CSRVDI	Diagnostic test images (view)
f. Consultant reports	Q1_F2	CSRVCR	Consultant reports (view)
Computerized provider order entry (Provider (e.g., MD, APN, NP) directly			
enters own orders that are transmitted electronically)			
a. Laboratory tests	Q1_A3	CSCPLT	Laboratory tests
b. Radiology tests	Q1_B3	CSCPRT	Radiology tests
c. Medications	Q1_C3	CSCPM	Medications
d. Consultation requests	Q1_D3	CSCPCR	Consultation requests
e. Nursing orders	Q1_E3	CSCPNO	Nursing orders
Decision support			
a. Clinical guidelines (e.g. Beta blockers post-MI, ASA in CAD)	Q1_A4	CSDSCG	Clinical guidelines
b. Clinical reminders (e.g. pneumovax)	_ Q1_B4	CSDSCR	Clinical reminders
c. Drug allergy alerts	 Q1_C4	CSDSDA	Drug allergy alerts
d. Drug-drug interaction alerts	_ Q1_D4	CSDSDD	Drug-drug interaction alerts
e. Drug-Lab interaction alerts	_ Q1_E4	CSDSDL	Drug-Lab interaction alerts
f. Drug dosing support (e.g. renal dose guidance)	Q1_F4	CSDSDS	Drug dosing support
Bar Coding or Radio Frequency Identification (RFID) for Closed-loop			
Medication Tracking			
a. Medication administration	Q1_A5	CSBCMA	Medication administration
b. Patient verification	Q1_B5	CSBCPTV	Patient verification
c. Caregiver verification	_	CSBCCV	Caregiver verification
d. Pharmacy verification	_	CSBCPV	<u> </u>
<ul><li>b. Patient verification</li><li>c. Caregiver verification</li></ul>	<del>=</del>	CSBCPTV CSBCCV	Patient verification

#### Other functionalities

a. Bar coding or Radio Frequency (RFID) for supply chain management	Q1_A6	CSOFRF	Bar coding or Radio frequency (RFID)
b. Telehealth	Q1_B6	CSOFT	Telehealth
c. Remote patient monitoring	Q1_C6	CSRPM	Remote patient monitoring

#### Key

- 1 = Fully implemented across all units
- 2 = Fully implemented in at least one unit
- 3 = Beginning to implement in at least one 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

### **Meaningful Use Functionalities**

2. Does your hospital currently have a computerized system which allows for:

	Survey Question Number	Database Field Name	Expanded Field Name
Electronic Clinical Documentation & Population Health Management			
a. Identify and provide patient-specific education resources	Q2_A1	ESCDIP	Patient-specific education resources
Medication Management			
a. Compare a patient's inpatient and preadmission medication lists	Q2_A2	ESCAP_CIP	Compare patient's inpatient & preadmission med. list
b. Check inpatient prescriptions against an internal formulary	Q2_B2	ESYSPRE	Check inpatient prescriptions against internal formulary
c. Prescribe (eRx) discharge medication orders electronically	Q2_C2	ESMDMO	eRx of discharge medication orders
d. Provide an updated medication list at time of discharge	Q2_D2	ESCAP_UMD	Provide updated med. list at discharge
Automated Quality Reporting			
a. Automatically generate hospital-specific meaningful use quality measures by extracting data from an EHR without additional manual processes	Q2_A3	QREHRHSP	Auto generate hospital meaningful use quality measures by electronic data extract
b. Automatically generate Medicare Inpatient Quality Reporting program measures for a full Medicare inpatient update	Q2_B3	ESC HQA	Auto generate HQA measures for Medicare inpatient update
c. Automatically generate physician-specific meaningful use quality measures calculated directly from the EHR without additional manual processes	Q2_C3	QREHRPHY	Auto generate physician meaningful use quality measures calculated from EHR

<b>Public</b>	Health	Reporting
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a. Submit electronic data to ii	mmunization registries/information systems			
on an on-going basis per mea	ningful use standards	Q2_A4	PHRSUBI	To immunization registries or information systems
b. Submit electronic data on i	reportable lab results to public health agencies			
on an on-going basis per mea	ningful use standards	Q2_B4	PHRSUBPHS	Reportable lab results to public health agencies
c. Submit electronic syndrom	ic surveillance data to public health agencies			
on an on-going basis per mea	ningful use standards	Q2_C4	PHRQNA	Syndromic surveillance data to public health agencies
d. Submit specialized data reg	gistry reports to public health agencies on an			
on-going basis per meaningfu	ıl use standards	Q2_D4	PHRREG	Specialized data registry reports to public health agencies
Other Functionalities				
a. Conduct or review a securi	ty risk analysis and implement security			
updates as necessary		Q2_A5	ESOFSRA	Security risk analysis and implement security updates

### Key

1 = Yes

2 = No

3 = Do not know

	Survey Question Number	<b>Database Field Name</b>	Expanded Field Name
a. View their health/medical information online	Q3_A	PEFVI	View their health/medical information online
b. Download information from their health/medical record	Q3_B	PEFDI	Download information from their health/medical record
c. Electronically transmit (send) transmission of care/referral summaries to			Electronically transmit (send) transmission of care/referral
a third party	Q3_C	PEFRS	summaries to a third party
d. Request an amendment to change/update their health/medical record			Request an amendment to change/update their health/medical
d. Request an amendment to change/update their nearth/medical record	Q3_D	PEFRA	record
e. Request refills for prescriptions online	Q3_E	PEFRP	Request refills for prescriptions online
f. Schedule appointments online	Q3_F	PEFSA	Schedule appointments online
g. Pay bills online	Q3_G	PEFPB	Pay bills online
h. Submit patient-generated data (e.g. blood, glucose, weight)	Q3_H	PEFSD	Submit patient-generated data
i. Secure messaging with providers	Q3_I	PEFSM	Secure messaging with providers
j. Designate family member or caregiver to access information on behalf of			
the patient (e.g., proxy access)	Q3_J	PEFPROX	Proxy access

### Key

1 = Yes

2 = No

3 = Do not know

4. Does your hospital require patients to provide any additional information beyond username and password in order to login and electronically access their health information?

	Survey Question Number	Database Field Name	Expanded Field Name
Patients required to provide any additional information beyond username and password to electronically access their health information	Q4	ADLOGIN	Additional login information required beyond username and password
Кеу			
1 = Yes			

Survey Question Number

### **Health Information Exchange Functionalities**

2 = No 3 = Do not know

5. Which of the following patient data does your hospital electronically exchange/share with one or more of the provider types listed below? (check all that apply)

provider types listed below? (check all that apply)			
	<b>Survey Question Number</b>	Database Field Name	Expanded Field Name
a. Patient demographics			
With Hospitals inside of your System	Q5_A1	PDWHIS	Patient Demographics (HIS)
With Hospitals Outside of your system	Q5_A2	PDWHOS	Patient Demographics (HOS)
With Ambulatory Providers inside of your system	Q5_A3	PDWAIS	Patient Demographics (AIS)
With Ambulatory Providers outside of your system	Q5_A4	PDWAOS	Patient Demographics (AOS)
Do not know	Q5_A5	PDDNK	Patient Demographics (DNK)
b. Laboratory results			
With Hospitals inside of your System	Q5_B1	LRWHIS	Laboratory Results (HIS)
With Hospitals Outside of your system	Q5_B2	LRWHOS	Laboratory Results (HOS)
With Ambulatory Providers inside of your system	Q5_B3	LRWAIS	Laboratory Results (AIS)
With Ambulatory Providers outside of your system	Q5_B4	LRWAOS	Laboratory Results (AOS)
Do not know	Q5_B5	LRDNK	Laboratory Results (DNK)
c. Medication history			
With Hospitals inside of your System	Q5_C1	MHWHIS	Medication history (HIS)
With Hospitals Outside of your system	Q5_C2	MHWHOS	Medication history (HOS)
With Ambulatory Providers inside of your system	Q5_C3	MHWAIS	Medication history (AIS)
With Ambulatory Providers outside of your system	Q5_C4	MHWAOS	Medication history (AOS)
Do not know	Q5_C5	MHDNK	Medication history (DNK)

d. Radiology reports			
With Hospitals inside of your System	Q5_D1	RRWHIS	Radiology Reports (HIS)
With Hospitals Outside of your system	Q5_D2	RRWHOS	Radiology Reports (HOS)
With Ambulatory Providers inside of your system	Q5_D3	RRWAIS	Radiology Reports (AIS)
With Ambulatory Providers outside of your system	Q5_D4	RRWAOS	Radiology Reports (AOS)
Do not know	Q5_D5	RRDNK	Radiology Reports (DNK)
e. Clinical / Summary care record in any format			
With Hospitals inside of your System	Q5_E1	CRWHIS	Clinical Care Record in any format (HIS)
With Hospitals Outside of your system	Q5_E2	CRWHOS	Clinical Care Record in any format (HOS)
With Ambulatory Providers inside of your system	Q5_E3	CRWAIS	Clinical Care Record in any format (AIS)
With Ambulatory Providers outside of your system	Q5_E4	CRWAOS	Clinical Care Record in any format (AOS)
Do not know	Q5_E5	CRDNK	Clinical Care Record (DNK)

Key

1 = Exchanges data (yes)

6. When a patient transitions to another care setting or organization outside your hospital system, how does your hospital routinely send and/or receive a summary of care record? Check all that apply.				
	<b>Survey Question Number</b>	Database Field Name	Expanded Field Name	
a. Mail or fax				
Send	Q6_A1	MAILS	Mail or Fax (send)	
Receive	Q6_A2	MAILR	Mail or Fax (receive)	
Neither send nor receive	Q6_A3	MAILN	Mail or Fax (neither)	
Do not know	Q6_A4	MAILDNK	Mail or Fax (DNK)	
o. eFax using EHR				
Send	Q6_B1	EFAXS	eFax using EHR (send)	
Receive	Q6_B2	EFAXR	eFax using EHR (receive)	
Neither send nor receive	Q6_B3	EFAXN	eFax using EHR (neither)	
Do not know	Q6_B4	EFAXDNK	eFax using EHR (DNK)	
c. Secure messaging using EHR (via DIRECT or other	secure protocol)			
Send	Q6_C1	SMEHRS	Secure messaging using EHR (send)	
Receive	Q6_C2	SMEHRR	Secure messaging using EHR (receive)	
Neither send nor receive	Q6_C3	SMEHRN	Secure messaging using EHR (neither)	
Do not know	Q6_C4	SMEHRDNK	Secure messaging using EHR (DNK)	

### d. Provider portal (i.e., post to portal or download from portal)

Send	Q6_D1	PORTS	Provider portal (send)
Receive	Q6_D2	PORTR	Provider portal (receive)
Neither send nor receive	Q6_D3	PORTN	Provider portal (neither)
Do not know	Q6_D4	PORTDNK	Provider portal (DNK)
e. Via health information exchange organization or other t	hird party		
Send	Q6_E1	HIES	HIE or other third party (send)
Receive	Q6_E2	HIER	HIE or other third party (receive)
Neither send nor receive	Q6_E3	HIEN	HIE or other third party (neither)
Do not know	Q6_E4	HIEDNK	HIE or other third party (DNK)
f. Interface connection with other EHRs			
Send	Q6_F1	INTCONS	Interface connection with other EHRs (send)
Receive	Q6_F2	INTCONR	Interface connection with other EHRs (receive)
Neither send nor receive	Q6_F3	INTCONN	Interface connection with other EHRs (neither)
Do not know	Q6_F4	INTCONDNK	Interface connection with other EHRs (DNK)
Kev			

Кеу	
1 =Yes	ı

7. When a patient transitions to or from another care setting or organization, does your hospital routinely electronically send and/or receive (NOT eFAX) a summary of care record in a structured format (e.g. CCR, CCDA or CCD) with the following providers? Check all that apply.

	Survey Question Number	Database Field Name	Expanded Field Name
a. Other Hospitals outside your system			
Send	Q7_A1	SFHOSNS	Other hospitals outside system (send)
Receive	Q7_A2	SFHOSNR	Other hospitals outside system (receive)
Do not know	Q7_A3	SFHOSDNK	Other hospitals outside system (DNK)

b. Ambulatory Care Providers outside your system			
Send	Q7_B1	SFAOSNS	Ambulatory outside system (send)
Receive	Q7_B2	SFAOSNR	Ambulatory outside system (receive)
Do not know	Q7_B3	SFAOSDNK	Ambulatory outside system (DNK)
c. Long-term and Post-Acute Care Facilities			
Send	Q7_C1	SFLTCFS	Long-term and Post-Acute Care Facilities (send)
Receive	Q7_C2	SFLTCFR	Long-term and Post-Acute Care Facilities (receive)
Do not know	Q7_C3	SFLTCFDNK	Long-term and Post-Acute Care Facilities (DNK)
d. Behavioral Health Facilities			
Send	Q7_D1	SFBHFS	Behavioral Health Facilities (send)
Receive	Q7_D2	SFBHFR	Behavioral Health Facilities (receive)
Do not know	Q7_D3	SFBHFDNK	Behavioral Health Facilities (DNK)

Key for Send and Receive

1 = Most/All

2 = Some

3 = Few/None

### Key for Do Not know

1 = Yes

8a. Does your EHR integrate any type of clinical information received electronically (not eFax) from providers or sources outside your hospital system/organization without the need for manual entry? This could be done using software to convert scanned documents into indexed, discrete data that can be integrated into EHR.

	Survey Question Number	Database Field Name	Expanded Field Name
Integration of electronically received clinical information from outside			
sources	Q8a	EHRINT	Integration of electronically received clinical information

- 1 = Yes, routinely
- 2 = Yes, but not routinely
- 3 = No
- 4 = Do not know
- 5 = NA

8b. If yes, does your EHR integrate the information contained in summary of care records received electronically (not eFax) without the need for manual entry? This could be done using software to convert scanned documents into indexed, discrete data that can be integrated into EHR?

	Survey Question Number	Database Field Name	Expanded Field Name
Integration of electronically received summary of care records	Q8b	SOCINT	Integration of electronically received summary of care records
Key			
1 = Yes, routinely			
2 = Yes, but not routinely			
3 = No			
4 = Do not know			

9. Do providers at your hospital query electronically for patients' health information (e.g. medications, outside encounters) from sources outside your organization or hospital system?			
	<b>Survey Question Number</b>	<b>Database Field Name</b>	Expanded Field Name
Providers able to query electronically for a patient's health information			Providers able to query electronically for a patient health info from
from sources outside organization or system	Q9	EQPHIOS	sources outside
Key			

Key
1 = Yes
2 = No, but do have the capability
3 = Do not know
4 = No, don't have capability

5 = NA

10. Do providers at your hospital routinely have necessary clinical information available electronically (not e-Fax) from outside providers or sources when treating a patient that was seen by another healthcare provider/setting?

	Survey Question Number	Database Field Name	Expanded Field Name
Clinical information available electronically from outside providers/sources	Q10	CIAOUT	Clinical information available electronically from outside providers

Кеу
1 = Yes
1 = Yes 2 = No
3 = Do not know

11a. How frequently do providers at your hospital use patient health information received electronically (not e-Fax) from outside providers or sources when treating a patient?

	Survey Question Number	Database Field Name	Expanded Field Name
Use electronic patient health information from outside providers	Q11_A	PHIOUT	Use electronic patient health information from outside providers

### Key

- 1 = Often
- 2 = Sometimes
- 3 = Rarely
- 4 = Never
- 5 = Don't know

11h If warehr as marras mand	please indicate the reason(s) why. Check all that apply.
11b. If rarely or never used.	blease indicate the reasonts) why, check all that apply.

	- 1·1· /		
	Survey Question Number	<b>Database Field Name</b>	Expanded Field Name
1. Information not always available when needed	Q11_B1	PHI_INFONA	Not available when needed (PHI)
2. Do not trust accuracy of information	Q11_B2	PHI_NOTRUST	Do not trust accuracy (PHI)
3. Difficult to integrate information in EHR	Q11_B3	PHI_DIFF	Difficult to integrate (PHI)
4. Information not available to view in EHR as part of clinicians' workflow	Q11_B4	PHI_NOVIEW	Not available to view (PHI)
5. Information not presented in a useful format (e.g. too much information,			
redundant, or unnecessary information)	Q11_B5	PHI_FORMAT	Format not useful (PHI)
6. Other	Q11_B6	PHI_OTH	Other (PHI)
Other description	Q11_B6_OTH	PHI_OTH_DESC	Other (PHI) description

### Key

1 = Yes

### 12a. When a patient visits your Emergency Department (ED), do you routinely provide electronic notification to the patient's primary care physician?

	Survey Question Number	Database Field Name	Expanded Field Name
Provide electronic notification to primary care physician when patient visits			Provide electronic notification to primary care physician when
Emergency Department	Q12_A	ENPCP	patient visits ED

- 1 = Yes
- 2 = No but do have the capability
- 3 = Do not know
- 4 = Do not have ED
- 5 = No, don't have capability

12b. If yes, are electronic notifications provided to primary care physicians listed below? (Check all that apply)			
	Survey Question Number	Database Field Name	Expanded Field Name
Inside system			Electronic notification to primary care physician when patient visits
iliside system	Q12_B1	ENPCPIS	ED (IS)
Outside system			Electronic notification to primary care physician when patient visits
Outside system	Q12_B2	ENPCPOS	ED (OS)
Do not know			Electronic notification to primary care physician when patient visits
DO HOU KHOW	Q12_B3	ENPCPDNK	ED (DNK)
Кеу			
1 = Yes			

### 13. Please indicate your level of participation in a state, regional, and/or local health information exchange (HIE) or health information organization (HIO)

Survey Question Number Database Field Name Expanded Field Name
Level of HIE or HIO participation Q13 RHIO\_LVL1 Level of HIE or HIO participation

#### Key

- 1 = HIE/HIO is operational in my area and we are participating and actively exchanging data in at least one HIE/RHIO
- 2 = HIE/HIO is operational in my area but we are not participating
- 3 = HIE/HIO is not operational in my area
- 4 = Do not know

## 14. Which of the following issues has your hospital experienced when trying to electronically (not eFax) send, receive, or find (query) patient health information to/from other care settings or organizations? (Check all that apply)

	Survey Question Number	Database Field Name	Expanded Field Name
a. We lack the technical capability to electronically send patient health			
information to outside providers or other sources	Q14_A	ESPHI	No technical capability to electronically send to outside providers
b. We lack the technical capability to electronically receive patient health			No technical capability to electronically receive from outside
information from outside providers or other sources	Q14_B	ERPHI	providers
c. Providers we would like to electronically send patient health information			
to do not have an EHR or other electronic system with capability to receive			
the information	Q14_C	NPEHR	Providers do not have EHR
d. Providers we would like to electronically send patient health information			
to have an EHR; however, it lacks the technical capability to receive the			Providers have EHR but lacks technical capability to receive
information	Q14_D	PEHRNRI	information
e. Many recipients of our electronic care summaries (e.g. CCDA) report that			
the information is not useful	Q14_E	NUECS	Information is not useful to recipients
f. Cumbersome workflow to send (not eFax) the information from our EHR			
system	Q14_F	CSEHR	Cumbersome workflow to send information from EHR system

g. Difficult to match or identify the correct patient between systems	Q14_G	NOIDP	Difficult to match/identify the correct patient between systems
h. Difficult to locate the address of the provider to send the information			
(e.g. lack of provider directory)	Q14_H	NOPA	Lack provider address
i. Experience greater challenges exchanging (e.g. sending/receiving data)			
across different vendor platforms	Q14_I	DIFVEND	Exchanging across different vendor platforms
j. We don't typically share our patient data with care settings/organizations			
outside our system	Q14_J	NOSHARE	Do not share patient data outside system
k. The complexity of state and federal privacy and security regulations			
makes it difficult for us to determine whether it is permissible to			
electronically exhange patient health information	Q14_K	COMREG	Complexity of privacy and security regulations
I. We have to pay additional costs to send/receive data with care			
settings/organizations outside our system	Q14_L	ADCOST	Pay additional costs to send/receive data
Кеу			
1 =Yes			

14a. If 14l is yes, please indicate the source(s) of those additional costs below (check all that apply)			
	Survey Question Number	Database Field Name	Expanded Field Name
1. Your EHR vendor	Q14_A1	COSTMYVEN	Your EHR vendor (additional costs)
2. The recipient's EHR vendor	Q14_A2	COSTRECVEN	The recipient's EHR vendor (additional costs)
3. An intermediary that enables the sending or receiving of data (e.g. HISP,			
HIE, Direct Trust, NATE)	Q14_A3	COSTINT	Intermediary (additional costs)
4. Other source not listed above	Q14_A4	COSTOTH	Other sources not listed above (additional costs)
Other description	Q14_A_OTH	COSTDSCR	Other description (additional costs)

Key		
1 =Yes		

15. HIPAA generally permits providers to electronically share patient health information for treatment of patients they have in common without written authorization from the patient. To what extent do you believe this aspect of the law is widely understood by providers?

	•		
HIPAA electronic sharing of information understood by providers	Q15	LAWPRO	HIPAA electronic sharing of information understood by providers

**Survey Question Number** 

- 1 = Very widely
- 2 = Somewhat widely
- 3 = Not very widely
- 4 = Not at all
- 5 = Uncertain

#### **EHR System and IT Vendors**

16. Does your IT Department currently support an infrastructure for two factor authentication (e.g. tokens or biometrics)?

IT supports two factor authentication

Survey Question Number Database Field Name Expanded Field Name
Q16 IT\_AUTH Two factor authentication

#### Key

- 1 = Yes
- 2 = No
- 3 = Do not know

## 17. Do you possess an EHR system that has been certified as meeting the federal requirements for the hospital objectives of Meaningful Use?

Posses a certified system for meeting meaningful use requirements

Survey Question Number Database Field Name Expanded Field Name
Q17 EMRHRCRT Certified EHR for Meaningful Use

#### Key

1 = Yes

2 = No

3 = Do not know

#### 18. When does your hospital expect to complete the switch to a 2015 certified EHR system?

#### **Survey Question Number**

Expected completion of switch to 2015 certified EHR system

Q18 CERTEHR Expected completion of switch to 2015 certified EHR system

### Key

- 1 = Never
- 2 = We have already switched to a 2015 edition of a certified EHR
- 3 = By March 31st, 2017
- 4 = Between April 1, 2017 and June 30th, 2017
- 5 = Between July 1st, 2017 and December 31st, 2017
- 6 = After January 1st, 2018
- 7 = Uncertain

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

Development framework/set-up of EHR

Survey Question Number	Database Field Name	Expanded Field Name
019	FMR_DSCR	EHR Description

#### Kev

- 1 = A mix of products from different vendors
- 2 = Primarily one vendor
- 3 = Self-developed

20a. Which vendor below provides your primary inpatient EHR/EMR 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 the vendor name rather than product.

Primary provider of inpatient EHR

Key
1 = Allscripts/Eclipsys
2 = Cerner
3 = eClinical works
4 = Eclipsys
5 = Epic
6 = GE
7 = McKesson
8 = MED3000
9 = Meditech
10 = NextGen
11 = QuadraMed
12 = Sage
13 = Siemens
14 = Self-developed
15 = Other (specify)
Other described
16 = Would prefer not to disclose
17 = CPSI
18 = HMS
19 = Healthland
20 = Vitera/Greenway
21 = Evident
22 = MEDHOST
23 = Allscripts
24 = Prognosis
25 = Athenahealth
26 = MedWorx

<b>Survey Question Number</b>	Database Field Name	Expanded Field Name
Q20_A	PIEMR	Primary inpatient EHR/EMR vendor
Q20_A_OTH	PIEMRO	Primary inpatient EHR/EMR vendor - other

20b. Do you use the same primary inpatient EHR/EMR 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 the vendor name rather than product.

Same primary inpatient EHR/EMR system vendor (noted above) for your primary outpatient EMR/EHR system

Survey Question Number	Database Field Name	Expanded Field Name
030 B	SIODY	Comp primary innational fourtrations FLID/FMD system wander
Q20 B	SIOPV	Same primary inpatient/outpatient_EHR/EMR system vendor

### Key

- 1 = Yes
- 2 = No
- 3 = Do not know
- 4 = NA
- 21. Overall, how satisfied or dissatisfied are you with your EHR system?

Satisfaction with EHR system

Survey C	uestion	Number
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Q21 SATISEHR Satisfaction with EHR system

- 1 = Very satisfied
- 2 = Somewhat satisfied
- 3 = Neither satisfied nor dissatisfied
- 4 = Somewhat dissatisfied
- 5 = Very dissatisfied

22. Which vendor(s) below does your hospital directly use to electronically exhange patient health information?
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	Survey Question Number	<b>Database Field Name</b>	Expanded Field Name
a. The same system as our primary inpatient EMR system	Q22_A	HIE_SAME	Same as inpatient (HIE vendor)
b. MedFX	Q22_B	HIE_MEDFX	Medfx (HIE Vendor)
c. Intersystems	Q22_C	HIE_INTSYS	Intersystems (HIE Vendor)
d. Harris	Q22_D	HIE_HARRIS	Harris (HIE Vendor)
e. Surescripts	Q22_E	HIE_SRSCRPTS	Surescripts (HIE Vendor)
f. Medicity	Q22_F	HIE_MEDCTY	Medicity (HIE Vendor)
g. Truven Analytics	Q22_G	HIE_TRVN	Truven Analytics (HIE Vendor)
h. Mirth	Q22_H	HIE_MIRTH	Mirth (HIE Vendor)
i. Relay Health	Q22_I	HIE_RELAY	Relay Health (HIE Vendor)
j. Orion Health	Q22_J	HIE_ORION	Orion Health (HIE Vendor)
k. Inpriva	Q22_K	HIE_INPRIVA	INPRIVA (HIE Vendor)
I. Care Evolution	Q22_L	HIE_CARE	Care Evolution (HIE Vendor)
m. Optom/Axolotl	Q22_M	HIE_OPAX	Optom/Axolotl (HIE Vendor)
n. MaxMD	Q22_N	HIE_MAXMD	MAXMD (HIE Vendor)
o. Covinst	Q22_O	HIE_CVNST	Covinst (HIE Vendor)
p. ICA	Q22_P	HIE_ICA	ICA (HIE Vendor)
q. MedAllies	Q22_Q	HIE_MEDALL	MedAllies (HIE Vendor)
r. Microsoft	Q22_R	HIE_MCRSFT	Microsoft (HIE Vendor)
s. Certify Data Systems	Q22_S	HIE_CDS	Certify Data Systems (HIE Vendor)
t. Corepoint Health	Q22_T	HIE_CPH	Corepoint Health (HIE Vendor)
u. latric Systems	Q22_U	HIE_IATR	latric Systems (HIE Vendor)
v. Orchard Software Corporation	Q22_V	HIE_ORCH	Orchard Software Corporation (HIE Vendor)
w. SCC Soft Computer	Q22_W	HIE_SCC	SCC Soft Computer (HIE Vendor)
x. Sunquest Information Systems	Q22_X	HIE_SUNQ	Sunquest Information Systems (HIE Vendor)
y. Other (please specify)	Q22_Y	HIE_OTH	Other (HIE Vendor)
z. Do not exchange patient health information electronically	Q22_Z	HIE_NOEX	Do not exhange (HIE Vendor)
aa. Would prefer not to disclose	Q22_AA	HIE_NODIS	Prefer not to disclose (HIE Vendor)
Other description	Q22_OTH	PPHIEO	Other description (HIE Vendor)

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1 = Yes

## 23. What changes, if any, are you planning for your primary inpatient EMR/EHR system within the next 18 months? (Check all that apply)

	<b>Survey Question Number</b>	Database Field Name	Expanded Field Name
a. Initial deployment	Q23_A	CHNG_ID	Initial deployment
b. Major change in vendor	Q23_B	CHNG_VEN	Major change in vendor
c. Change from enterprise architecture to best-of-breed	Q23_C	CHG_ARCA	Enterprise architecture to best-of-breed
d. Change from best-of-breed to enterprise architecture	Q23_D	CHG_ARCB	Best-of-breed to enterprise architecture
e. Significant additional functionalities	Q23_E	CHNG_FUNC	Significant additional functionalities
f. Do not know	Q23_F	CHNG_UNKN	Changes Unknown
g. No major changes planned	Q23_G	CHNG_NUN	No major changes planned

### Key

1 = Yes

## 24. What is (are/would be) the primary challenge(s) in implementing an EMR/EHR system that meets the federal requirements for meaningful use? (Check all that apply)

	Comment Occasion Name have	Databasa Siald Name	Former dead Field Name
	Survey Question Number	Database Field Name	Expanded Field Name
<ul> <li>a. Upfront capital costs/lack of access to capital to install systems</li> </ul>	Q24_A	FEDCST	Upfront capital costs, or lack of capital
b. On-going costs of maintaining and upgrading systems	Q24_B	FEDUS	On-going costs of maintaining/upgrading
c. Obtaining physician cooperation	Q24_C	FEDPHY	Obtaining physician cooperation
d. Obtaining other staff cooperation	Q24_D	FEDSTF	Obtaining other staff cooperation
e. Concerns about security or liability for privacy breaches	Q24_E	MNGFL_SEC	Concerns about security/liability for privacy breaches
f. Uncertainty about certification requirements	Q24_F	MNGFL_CERT	Uncertainty about certification process
g. Limited vendor capacity	Q24_G	MNGFL_VEN	Lack of vendor capacity
h. Lack of adequate IT personnel in hospital to support			
implementation/maintenance	Q24_H	MNGFL_IT	Lack adequate IT staff
i. Challenge/complexity of meeting all meaningful use criteria within			
implementation timeframe	Q24_I	MNGFL_TIME	Meeting all meaningful use criteria on time
j. Other specify	Q24_J	MNGFL_OTH	Other reason (MNGFL)
k. Other description	Q24_K	MNGFL_OTHD	Other reason specified (MNGFL)

Key

1 = Yes

## 25. Please indicate whether you have used electronic clinical data from the EHR or other electronic system in your hospital to: (Please check all that apply)

	Survey Question Number	Database Field Name	Expanded Field Name
a. Create a dashboard with measures of organizational performance	Q25_A	ECDMOP	Create a dashboard with measures of organizational performance
b. Create a dashboard with measures of unit-level performance	Q25_B	ECDMUP	Create a dashboard with measures of unit-level performance
c. Create individual provider performance profiles	Q25_C	ECDIPP	Create individual provider performance profiles
d. Create an approach for clinicians to query the data	Q25_D	ECDCQD	Create an approach for clinicians to query the data
e. Assess adherence to clinical practice guidelines	Q25_E	ECDICG	Assess adherence to clinical practice guidelines
f. Identify care gaps for specific patient populations	Q25_F	ECDCGP	Identify care gaps for specific patient populations
g. Generate reports to inform strategic planning	Q25_G	ECDISP	Generate reports to inform strategic planning
h. Support a continuous quality improvement process	Q25_H	ECDCQI	Support continuous quality improvement process
i. Monitor patient safety (e.g. adverse drug effects)	Q25_I	ECDMPS	Monitor patient safety
j. Identify high risk patients for follow-up care using algorithm or other tools	Q25_J	ECDHRP	Identify high risk patients for follow-up care using algorithm or other tools
k. None of the above	Q25_K	ECDNONE	None (ECD)

Key

1 = Yes