

# **Survey of the Health Information Technology Environment in Idaho**

**Idaho Division of Medicaid**

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## Introduction

Idaho Medicaid conducted surveys of all potentially eligible professionals and hospitals in order to gather information to describe the current state of health information technology (HIT) adoption and use in provider offices and hospitals across the state. This overview describes Idaho's process for developing and distributing this survey, as well as an analysis of selected survey results.

## Developing the Survey

Idaho Medicaid developed two surveys to gather information on the current HIT environment in Idaho: one for eligible professionals and one for eligible hospitals (see the Appendices A and B for survey questions). The first step in this process was to identify the goal of the surveys and then to develop an execution strategy for implementing and distributing them. The goal was for Idaho Medicaid to gather the information needed to accurately develop plans and set goals for Idaho Medicaid's Electronic Health Record (EHR) incentive program over the next five years. Information Idaho Medicaid needed to accomplish this goal included:

- The number of providers currently using EHRs
  - Names of the EHR systems
  - Sample of clinical information capabilities
- Number of providers without an EHR who plan to adopt/use EHRs and the timeframes
- Number of providers who are connected to a Health Information Exchange (HIE) and the characteristics of that exchange
- What the perceived barriers to adoption and use of EHRs and an HIE are
- Number of providers who may be applying for incentive payments

The project team reviewed sample EHR survey questions provided by the National Association of State Medicaid Directors (NASMD) all state workgroup. During the process of developing the surveys, Idaho Medicaid determined that the survey for eligible professionals would also serve the needs of the federally qualified health centers (FQHCs) and rural health clinics (RHCs). Initial drafts of the eligible professional and eligible hospital surveys were created using the NASMD samples as well as some Idaho specific questions. Team members determined that it was important to get the information needed using the shortest survey possible to improve the odds that providers would complete the survey.

Key stakeholders reviewed and commented on the draft surveys. Those stakeholders included the Idaho Hospital Association, the Idaho Primary Care Association, the Idaho Health Data Exchange, the Division of Health, the Idaho Medical Association, the Family Medicine Residency, the Idaho Chapter of the American Academy of Pediatrics, the Idaho Chapter of the Academy of Family Physicians, the Idaho Medical Group Management Association, and the Idaho State Dental Association. Idaho Medicaid revised the surveys based on comments, reviewed them internally, and sent them to the

project sponsors for final approval. Each survey included questions that covered potential eligibility based on provider type and patient volume, whether the respondent currently had any components of an EHR in place (and vendors used), capabilities and use of the EHR, any current connections to an exchange network, and eligible provider interest in participating in the Idaho Medicaid EHR Incentive Program.

Idaho Medicaid made the surveys available in two formats: electronically using SurveyMonkey (<http://www.surveymonkey.com/>) and as a hard copy. Hard copies were provided because previous Medicaid surveys found many providers prefer the hard copies. Hard copies also ensured that rural providers who may not have internet access were given the opportunity to participate in the survey process. Idaho Medicaid accepted provider responses in both formats. Project staff entered the hard copy responses into the online survey tool so the responses became part of the final analysis (see Appendix A for a copy of the electronic Health Care Professional Survey tool and Appendix B for a copy of the electronic Hospital Survey tool).

### **Distributing the Survey**

Eligible professionals and hospitals were notified about the surveys in a variety of ways (see Table 1). The primary strategy was for professional organizations to send an email to all members notifying them of this opportunity, providing them with both versions of the appropriate survey, and encouraging their participation. Professional organizations that distributed the survey were the North Idaho Health Network, the Northwest Portland Indian Health Board, the Idaho Primary Care Association, the Idaho Medical Association, the Idaho Hospital Association, the Idaho Chapter of the American Academy of Pediatrics, the Idaho Chapter of Family Physicians, the Idaho Nurses Association, the Idaho Medical Group Management Association, and the Idaho State Dental Association. In addition, emails were sent to the two residency programs in Idaho: Pocatello Family Residency and Family Medicine Residency of Idaho. The Department of Health notified rural health clinics. All notices to eligible professionals included an introductory letter along with a fact sheet to inform providers about this opportunity. One week after the original survey information was sent, the professional organizations listed above were asked to send a reminder email to members.

In addition to the notice from professional organizations, project staff posted information and a link to the survey on Idaho Medicaid's public facing EHR Incentive Program Web site ([www.MedicaidEHR.dhw.idaho.gov](http://www.MedicaidEHR.dhw.idaho.gov)). This site also provides general information about the EHR Incentive Program, links to outside resources, frequently asked questions, and updates about Idaho's progress developing the program. The Department of Health and Welfare's Web site also posted a global banner message about the survey on the main page of the Web site which ran for one week. Furthermore, information about the survey was included in all remittance notices sent to Idaho Medicaid providers during the time the survey was live. Idaho Medicaid mailed hard copies of the survey to all Idaho Medicaid nurse midwives as no professional organization in Idaho specifically represents these providers. Additionally, when it became clear that very few dentists were responding to the initial request by the Idaho Dental Association to complete the survey, Idaho Medicaid sent an email blast to all dentists who were under contract with Idaho Medicaid's dental contractor, Idaho Smiles.

Idaho Medicaid workgroup members also participated in several state conferences in the early months of 2010 (Idaho Meeting of the Northwest Portland Indian Health Board, six Idaho Health Care Conferences across Idaho, and the Health Quality Planning Commission) and used those opportunities to present information about the EHR Incentive Program, notify participants about the scan and its importance, and request participation. In addition, Idaho Medicaid asked the Healthy Connections Representatives, who have contact with all Idaho Medicaid providers, to spread the word about the survey as they interacted with providers.

Early on, Idaho Medicaid worked with Indian Health Services to explore various aspects of the incentive program and the potential eligibility of Native American providers. Interest was high so project staff agreed to specifically target Tribes to take the surveys. Idaho Medicaid provided copies of the surveys to a Northwest Portland Indian Health Board representative to forward via email to tribal providers and clinics. Idaho Medicaid also posted both surveys on the Department of Health and Welfare’s Tribal SharePoint site. Project staff attended a regional tribal meeting to provide information about the survey and encourage participation.

**Table 1.** Timeline for Survey Distribution

Date	Activity
June 14 through June 25, 2010	Notification and preliminary scan sent via email from professional organizations (the range noted is a result of variation on timing between organizations)
June 14, 2010	Scan posted on the Idaho Medicaid EHR public facing Web site
June 21 through July 2, 2010	Follow-up requests sent via email from professional organizations
July 9, 2010	Deadline for survey completion
July 29, 2010	Targeted follow-up emails to all FQHCs and RHCs that did not reply
August 27, 2010	Survey closed, removed from Web site

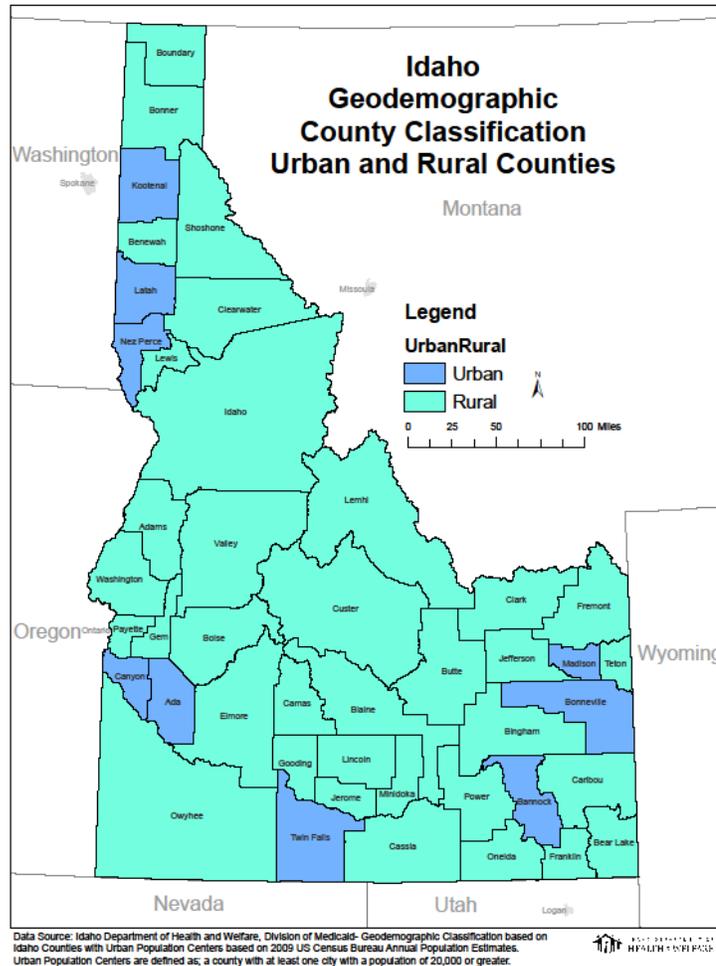
### Selecting Survey Participants

Early in the process, Idaho Medicaid decided not to conduct a survey of existing health information networks because preliminary research found that in Idaho there was, at that time, only one functional health information exchange (HIE), the Idaho Health Data Exchange (IHDE). In their effort to become Idaho’s state designated HIE, the IHDE had already completed a scan of all other potential HIEs in Idaho, and Idaho Medicaid will use that information in the State Medicaid HIT Plan.

Idaho Medicaid elected to send the survey to all providers and hospitals that were considered eligible for the Idaho Medicaid EHR Incentive Program under the proposed rule: physicians, pediatricians, nurse practitioners, certified nurse midwives, dentists, and

all eligible hospitals in the state. The decision to extend the survey beyond Medicaid providers and look at all providers in each category was made for several reasons. First, the project team believed that expanding the survey to include non-Medicaid providers would produce a more accurate picture of Idaho as a whole in terms of provider adoption of EHR. It was also assumed that the information would be helpful to other entities in the state such as the regional extension center, WIREC, and the IHDE.

The surveys were available through a variety of venues making it impossible to know the exact number of professionals who had access to the survey. The Idaho Medical Association contacted approximately 1,500 individual providers. It is not known how many are Idaho Medicaid providers. As of March 2010, there were 3,525 Idaho Medicaid providers in the eligible provider types in Idaho (excluding dentists). There are currently 982 dentists in the state, and 680 of them were Idaho Medicaid providers at the time of the survey. All 680 Idaho Medicaid dentists were given access to the survey via the Medicaid dental contractor. It is not known how many dentists received the information from the Idaho Dental Association. Forty-six hospitals, forty-six rural health clinics, 38 federally qualified health centers, and 5 tribal clinics were contacted. Idaho is largely a rural state. Extra efforts were made to ensure that surveys reached, and were responded to, by small and rural providers. Idaho Medicaid focused the surveys on in-state providers. However, if an out of state provider chose to complete the survey, and many did, Idaho Medicaid accepted those responses because there are a few border communities in Idaho where it is likely that a non-Idaho provider will provide a substantial amount of care to Idaho residents. The map below shows the distribution in Idaho of urban and rural areas.



## Selected Survey Results

The following are highlights from the surveys for various provider groupings. The directions on the survey requested that each practice location complete one survey for all providers, rather than each individual provider completing a survey.

### Hospitals

- Twenty-four hospitals responded to the survey, including one HIT incentive ineligible psychiatric hospital. They represent 52 percent of all hospitals (46) in Idaho.
- Of the 24 hospitals that responded, 8 are in urban counties and 16 are in rural counties.
- Those indicating they had an EHR were 67 percent of the total number of respondents (16 hospitals).
- One-hundred percent of all hospital responders currently without an EHR plan to implement one.
- Eleven rural hospitals and five urban hospitals indicated they had an EHR.
- Of all the qualified hospital respondents, 76 percent intend to participate in both the Medicaid and Medicare Provider Incentive Programs and 12 percent in Medicare alone.

- Of the 24 Idaho Hospitals that responded to the survey, 50 percent reported to have Broadband internet access, 17 percent with DSL, and 17 percent other (mainly fiber optic) internet access.

### **All Potentially Eligible Professionals**

The following information includes providers at FQHCs, RHC, Indian Health Centers (IHC), and dentists, but excludes hospitals:

- The Idaho Medicaid HIT project received 324 responses to the eligible professional survey. Those responses represented 394 provider practices and 1,167 professionals.
- Of the 1,167 health professionals represented by the survey responses, 75 percent (878) are in urban counties and 25 percent (289) in rural counties.
- Thirty-nine percent of all eligible professional respondents (127 practices) indicated they had an EHR. Of those, 33 percent are in rural counties (30 practices) and 41 percent (97 practices) are in urban counties.
- Twenty-seven percent of those who responded that they do not have an EHR (50 respondents) plan to implement an EHR in the next one to three years.
- Of all health professional respondents, 32 percent (103 respondents) expressed an interest in participating in the EHR Incentive Program and 47 percent (152 respondents) were unsure.
- Thirty-three percent of all practices who responded (107 respondents) are potentially eligible for Medicaid incentives based on the encounter rates noted in the survey responses. Of those, 80 percent (85 respondents) have providers who either plan to apply for or are unsure if they will apply for incentive payments.
- Of the 324 health provider practices that responded to the survey, 3 percent reported that they do not have internet connection access, 22 percent reported to have Broadband internet access, 58 percent with DSL, and 14 percent other internet access (e.g., cable, dial up, satellite, fiber optic).

### **Medical Practices**

The following information doesn't include FQHCs, RHCs, IHCs, or dental practices:

- There were 218 medical practices represented (solo, group, or multi-specialty) by the medical practices that responded to the survey.
- Of the 218 Medical practices represented, 168 (seventy-seven percent) are in urban counties and 50 (twenty-three percent) are in rural counties.
- Those indicating they had an EHR were 29 percent of the total number of respondents (63 medical practices).
- Of the 63 medical practices that responded they had an EHR, 84 percent were in urban counties and 16 percent where in rural counties.
- Of the medical practices that responded that they do not have an EHR, 45 percent (39 Medical Practices) plan to implement one.
- Of the 157 medical practice health professionals who responded to the survey, 26 percent reported to have Broadband internet access, 57 percent with DSL, and 10 percent other internet access (e.g. cable, dial up, satellite, fiber optic).

- Of those medical practices that indicated that they would or where unsure if they would apply for the incentive program, 22 percent intend to participate through the Medicaid incentive, 26 percent through the Medicare incentive program, and 53 percent were unsure which incentive program to apply through.

### **Federally Qualified Health Centers**

- Out of Idaho's 38 FQHCs, 84 percent of all FQHCs in Idaho (32) responded to the survey.
- Of the 32 FQHCs that were represented by the survey, 41 percent (13) are in urban counties and 59 percent (19) are in rural.
- Forty-four percent of the respondents (14 FQHCs) indicated they had an EHR.
- One-hundred percent of all FQHC responders currently without an EHR plan to implement one.
- Six rural and eight urban FQHCs indicated they had an EHR.
- Of the 69 percent of FQHCs that responded that they would apply for the incentive, 36 percent of them intend to participate in the Medicaid Incentive Program, 5 percent intend to participate in the Medicare Provider Incentive Programs, and 59 percent were unsure which program to participate in.
- Of the 23 FQHC's organizations that responded to the survey, none reported that they do not have internet connection access, 17 percent reported to have Broadband internet access, 39 percent with DSL, and 35 percent T-1 or T-3 internet access.

### **Rural Health Clinics**

- Idaho has 45 RHCs and 33 percent (15 RHCs) responded to the survey.
- Of the 15 RHCs that responded to the survey, 73 percent are in rural counties and 27 percent are in urban counties.
- Twenty seven percent of the RHCs that responded (4 RHCs) indicated they had an EHR, all where in rural counties.
- One hundred percent of all RHC responders who don't currently have an EHR plan to implement one.
- All 22 RHCs that responded to the survey said they have internet connection access, 20 percent have Broadband internet access, 73 percent have DSL, and 7 percent have fiber optic internet access.
- All of the RHCs that responded to the survey said either they would apply for the incentive or they were unsure if they would apply. Two intend to participate in the Medicaid Incentive Program, one RHC intends to participate in the Medicare Provider Incentive Programs, and twelve were unsure which program to participate in.

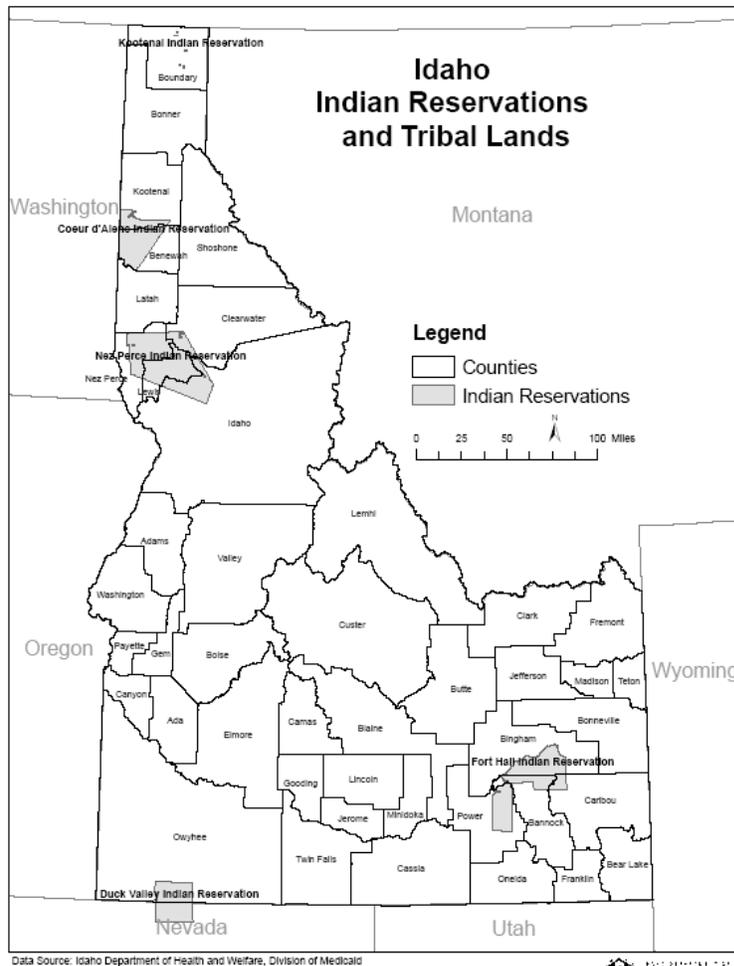
### **Indian Health Services/Tribal Facilities/Urban Indian Clinic Providers**

Idaho has a rich history of native people of various Tribes and Tribal Lands. There are five primary Tribes in northern Idaho who have reservation and Tribal Lands. In Northern Idaho there is the Nez Perce tribe with the Nez Perce Indian Reservation, the Coeur d'Alene Tribe with the Coeur d'Alene Indian Reservation, and the Kootenai Tribe

with the Kootenai Indian Reservation and Tribal Lands. In southern Idaho there is the Shoshone-Bannock Tribe with the Fort Hall Indian Reservation, and the Shoshone-Paiute Tribe with the Duck Valley Indian Reservation, which consists of Idaho and Nevada Tribal Lands. There are five Indian Health Clinics (IHCs) that serve Idaho's native people: Benewah Medical Center, Kootenai Tribal Clinic, Nimiipuu Tribal Health Center, Not-tsoo-Gah-nee Health Center, and Owyhee Service Unit/Owyhee PHS Indian Hospital. Below is information about Idaho's Indian health clinics (see Table 2) and a map outlining Idaho's Indian reservations and tribal lands.

**Table 2.** Idaho's Indian Health Clinic Information

Tribe Served	Indian Reservation Served	Indian Health Clinics	Location
Coeur d' Alene	Coeur d' Alene Indian Reservation	Benewah Medical Center	Plummer, ID
Kootenai	Kootenai Indian Reservation	Kootenai Tribal Clinic	Bonnors Ferry, ID
Nez Perce	Nez Perce Indian Reservation	Nimiipuu Tribal Health Center	Lapwai, ID
Shoshone-Bannock	Fort Hall Indian Reservation	Not-tsoo-Gah-nee Health Center	Fort Hall, ID
Shoshone-Paiute	Duck Valley Indian Reservation	Owyhee Service Unit/ Indian Hospital	Owyhee, NV



- Of the five IHCs that serve Idaho’s native people, two responded to the survey.
- The two IHCs that responded to the survey were in rural counties and both indicated they had an EHR.
- One IHC responded that they intend to participate in the Medicaid Incentive Program and the other responded that they were unsure which incentive program to participate in.
- Both IHCs reported that they have broadband internet access.

**Dentists**

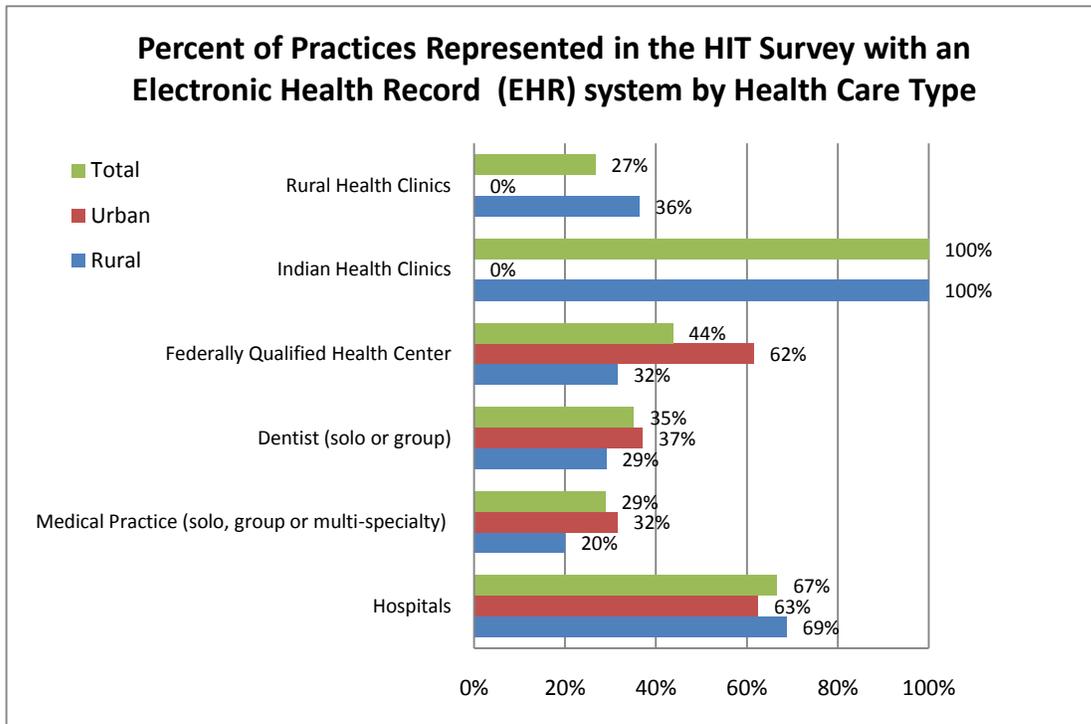
- Of the 128 dental practices represented (solo or group) by the survey, 76 percent (97 practices) were in urban counties and 24 percent (31 practices) were in rural counties.
- Those indicating they had an EHR were 35 percent of the total number of dentist respondents (45 dental practices).
- Twenty percent (nine rural county dental practices) and 80 percent (36 urban county dental practices) indicated they had an EHR.
- Twenty percent (16) of the 81 dental practices that indicated they do not currently have an EHR plan to implement one.

- Of the 128 dentist practices that responded to the survey, 5 percent reported that they do not have internet connection access, 16 percent reported to have Broadband internet access, 61 percent with DSL, and 15 percent other internet access (e.g., cable, dial up, satellite, fiber optic).
- Of those dentist practices that indicated that they would or were unsure if they would apply for the incentive program, 48 percent intend to participate through the Medicaid incentive, 2 percent through the Medicare incentive program, and 50 percent were unsure which incentive program to apply through.

### Stages of Automation

Providers who responded to the survey are in various stages of automation, with the more urban, non-hospital practices generally more automated than smaller, rural practices. For hospitals, that trend is reversed. Rural hospital respondents were more likely to already have an EHR system in place than urban hospital respondents. Generally, FQHCs and RHCs are in various stages of using, adopting, and implementing EHR solutions. All of the hospitals that responded to the survey expressed an interest in the incentive program. Almost all hospital respondents indicated that they were going to apply for an incentive, though four were unsure and one did not respond to that question. Many of professional respondents expressed interest in the Idaho Medicaid Incentive Program, but others are unsure and will require help and support to adopt and implement EHR capability.

Below are the general characteristics related to EHR adoption across the different provider groups targeted in the surveys.



The above chart data are based on the practices represented by the respondents that indicated they had an EHR out of the total practices represented by the respondents within the geo classification (Urban, Rural, and Total).

## Key EHR Characteristics

One-hundred and twenty-seven provider practices who completed the survey indicated they had some type of EHR. Sixty-seven percent of the hospital respondents indicated that they have an EHR system in place. Idaho Medicaid asked those practices and hospitals to provide some detail about the characteristics of the EHR solutions they currently use (see table 3).

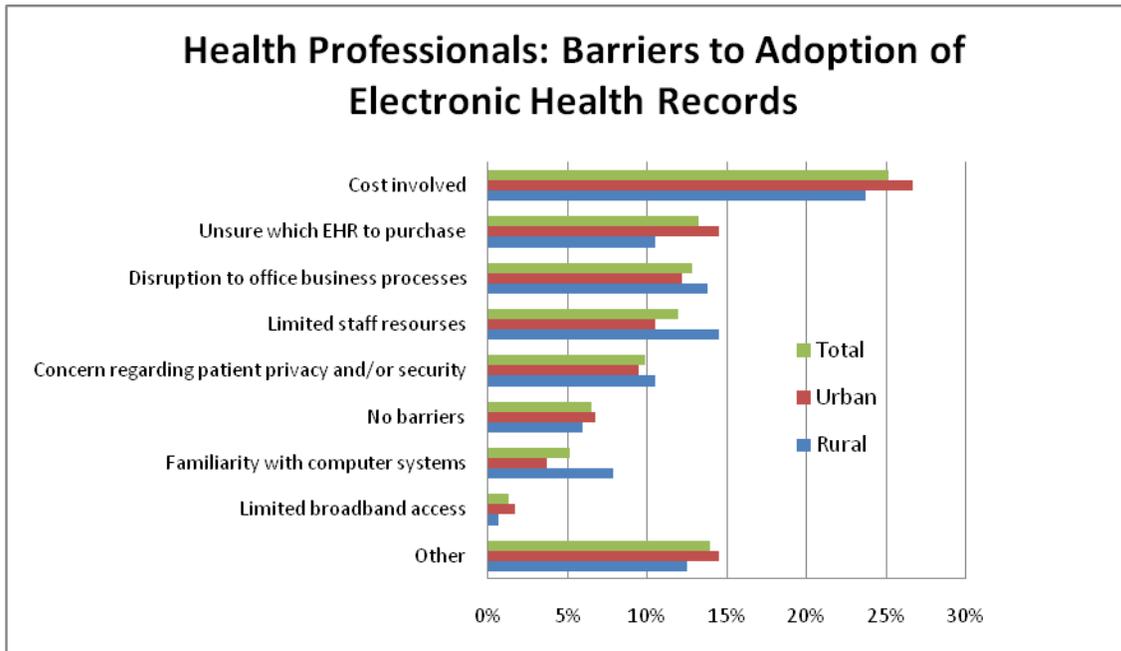
**Table 3.** Characteristics of Current EHR Technology in Idaho

Eligible Professionals: EHR Functionality	Yes		No		Unsure	
Patient problem list	113	90%	4	3%	8	6%
Patient allergy list	120	96%	1	1%	4	3%
Patient medication list	115	92%	4	3%	6	5%
Orders laboratory test electronically	53	43%	49	40%	20	16%
- If yes, does the system receive lab results electronically?	49	92%	12	23%	6	11%
Views lab results electronically	62	52%	43	36%	15	13%
- If yes, are out of range results highlighted?	49	79%	9	15%	14	23%
Viewing imaging results	89	74%	20	17%	12	10%
Captures clinic notes	117	96%	1	1%	4	3%
- If yes, do clinical notes include medical history and follow-up notes?	101	86%	3	3%	6	5%
Gives reminders for guideline-based interventions and/or screening	75	62%	19	16%	27	22%
E – Prescribing	80	64%	25	20%	20	16%
Reports Public Health data electronically	16	13%	49	40%	59	48%
Hospitals: EHR Functionality	Yes		No		Unsure	
Patient problem list	13	81%	3	19%	0	0%
Patient allergy list	16	100%	0	0%	0	0%
Patient medication list	15	94%	0	0%	1	6%
Ordering Laboratory test	12	75%	4	25%	0	0%
- If yes, does the system receive result electronically?	10	83%	0	0%	1	8%
Viewing lab results	14	88%	1	6%	1	6%
- If yes, are out of range results highlighted?	11	79%	2	14%	1	7%
Viewing imaging results	12	75%	3	19%	1	6%
Clinical notes	14	88%	1	6%	1	6%
- If yes, do clinical notes include medical history and follow-up notes	9	64%	3	21%	1	7%
Reminders for guideline-based interventions and/or screening	8	50%	4	25%	4	25%
E – Prescribing	9	56%	6	38%	1	6%
Public health reporting	5	31%	8	50%	3	19%
- If yes, is Public Health data reported electronically?	3	60%	0	0%	2	40%

## Barriers to Adopting HIT Technology

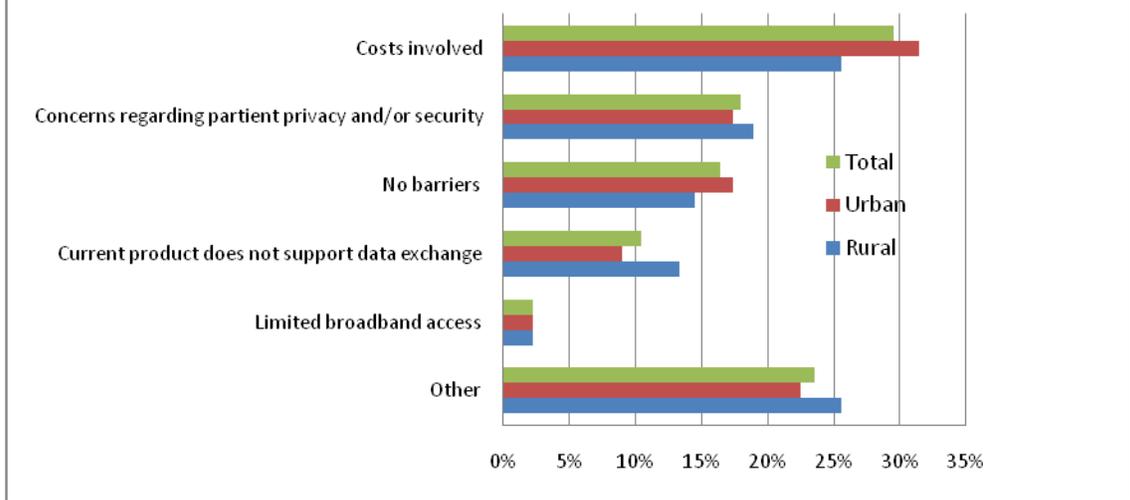
The eligible professional survey and the hospital survey both asked what the barriers were to adopting or implementing EHRs, applying for incentives, and connecting to an HIE. Respondents were allowed to check more than one barrier.

The results from the eligible providers' survey indicated that the largest barrier to adopting an EHR is cost. The same is true for the barrier to connecting to an HIE. The barrier most frequently noted by eligible provider respondents to applying for an incentive payment is not being ready to begin using an EHR. This is followed by a lack of information about the program. The charts below summarize that information for eligible professionals.



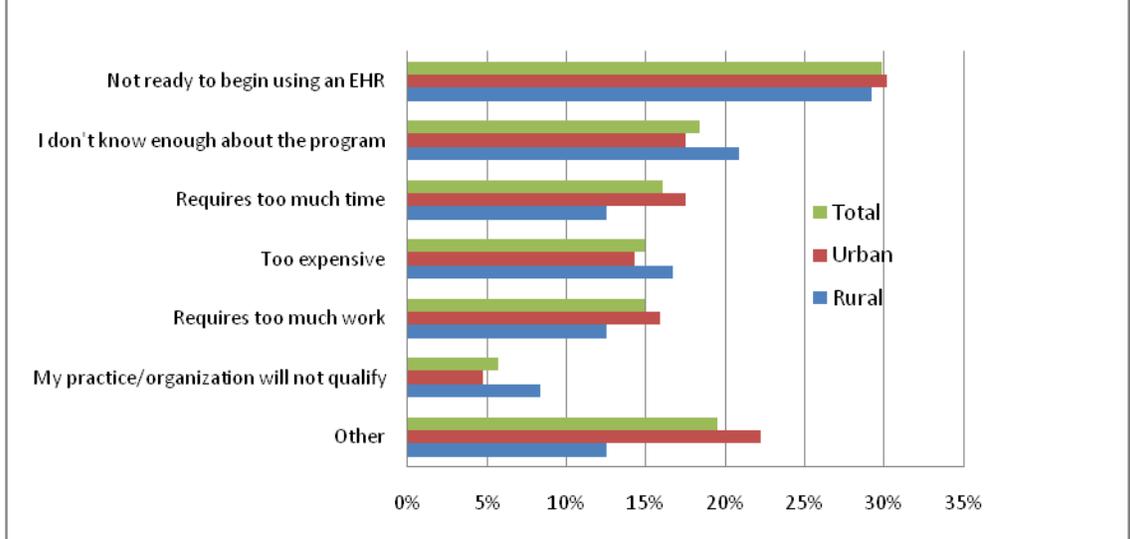
The above chart data are based on the responses provided by those respondents that identified they did not have an EHR and were able to check all that apply. Therefore, the percent represented on the chart are out of the total responses for within the geo classification (Urban, Rural, and Total).

## Health Professionals: Barriers to Connecting to a Health Information Exchange



The above chart data are based on the responses provided by those respondents that identified they did not participate in a HIE and were able to check all that apply. Therefore, the percent represented on the chart are out of the total responses within the geo classification (Urban, Rural, and Total).

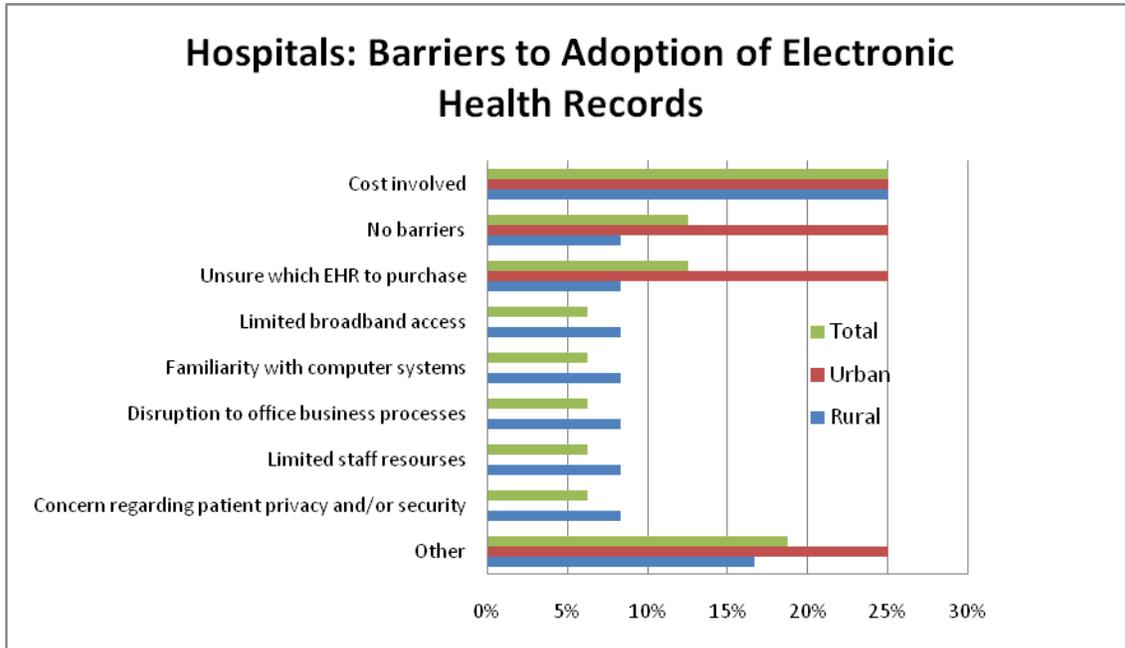
## Health Professionals: Barriers to Participate in the Incentive Program for Adoption of EHR



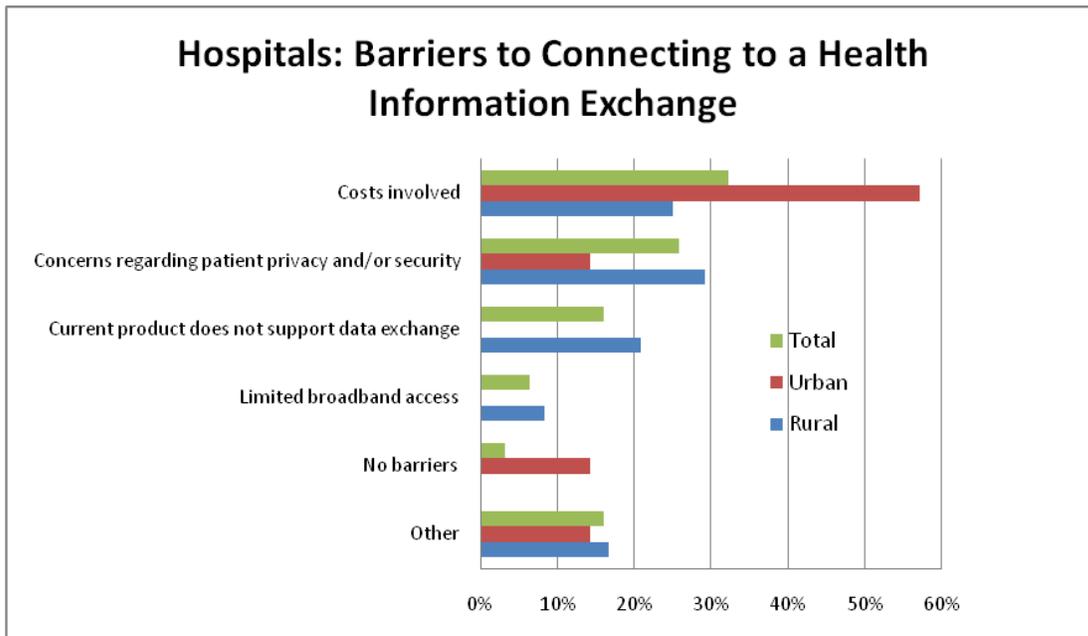
The above chart data are based on the responses provided by those respondents that identified they did not plan to participate in an incentive program and were able to check all that apply. Therefore, the percent represented on the chart are out of the total responses within the geo classification (Urban, Rural, and Total).

The results for hospitals were a bit different. When asked about the barriers to adopting EHRs in the hospital, the highest response was cost, though all hospital respondents who don't have an electronic medical record plan to adopt one. Every hospital that responded to the survey either said they were planning on applying for an incentive payment or were

unsure if they would apply. Thus, no hospital noted any barriers to applying for an incentive. When asked if there were barriers to hooking up to an HIE, the highest noted reason is again the cost. Cost is followed by concerns regarding patient privacy and security.



The above chart data are based on the responses provided by those respondents that identified they did not have an EHR and were able to check all that apply. Therefore, the percent represented on the chart are out of the total responses within the geo classification (Urban, Rural, and Total).



The above chart data are based on the responses provided by those respondents that identified they did not participate in a HIE and were able to check all that apply. Therefore, the percent represented on the chart are out of the total responses within the geo classification (Urban, Rural, and Total).

## Provider Incentive Payments

Table 4 describes the number of survey respondents that are presumed to be eligible for a Medicaid incentive payment. Presumed eligible providers were those that self-reported that they met the patient volume requirements established in rule (42 CFR parts 412,413,422 et al. Medicare and Medicaid Programs; Electronic Health Record Incentive Program, Final Rule).

**Table 4.** Eligible provider types and incentives

Provider Type	# of Providers (Hospitals or providers represented)	Percent Eligible	# Eligible
Eligible Professionals	394	27 percent	108
Acute Care Hospitals	8	88 percent	7
Critical Access Hospitals	14	50 percent	7
<b>Total</b>	416	29 percent	122

Provider Type	Plan to apply for an incentive:			Plan to apply to:			
	Yes	No	Unsure	Medicare	Medicaid	Both	Unsure
Eligible Professionals	107	56	153	36	83		141
Acute Care Hospitals	6		1			6	1
Critical Access Hospitals	5		2	1		5	1
<b>Total</b>	118	56	156	37	83	11	143

## Conclusion

Idaho Medicaid conducted surveys of all potentially eligible, professional providers and hospitals in order to gather information necessary to understand the current state of health information technology (HIT) adoption in provider offices and hospitals across the state. Idaho Medicaid developed these surveys using input from key stakeholders and distributed them throughout Idaho with the help of professional organizations.

The data obtained from these surveys provides some helpful information about the health information technology landscape in Idaho. The surveys show that interest in the incentive payments is relatively low for professionals and very high for hospitals. Generally, federally qualified health centers and rural health clinics are in various stages of using, adopting, and implementing electronic health record (EHR) solutions. Across all provider types, costs seem to be the primary barrier for adopting an EHR and for hooking up to a health information exchange (HIE). It is clear, however, that the rate of EHR adoption is increasing.

It is difficult to extrapolate from this data information about the larger provider population in Idaho. It is assumed that providers who were already interested in the incentive program at the time of the survey were more likely to complete it than providers who had no interest in EHRs or the incentive program. It is also difficult to draw any conclusions from this survey about the number of providers in Idaho who are likely to apply for an incentive payment. It was clear from the responses of the eligible professionals that at the time of the survey there was a lack of understanding of the eligibility requirements for the incentive program. Many respondents with less than a 30 percent Medicaid encounter rate said they plan to apply for an incentive payment. This survey information will help Idaho develop a comprehensive education/awareness plan. Idaho Medicaid has been working collaboratively with WIREC, (Idaho's regional extension center), the Idaho Health Data Exchange (IHDE), and the State HIT Coordinator to coordinate communication to providers and will continue to do so.

It appears as if all eligible hospitals in Idaho will likely apply for an incentive payment. This too will help us plan. We also know that most hospitals will apply for an incentive payment from Medicare as well as Medicaid. This information allows Medicaid to accommodate the fact that Medicare will determine most Idaho hospital's eligibility for Medicare and thus deem them as eligible for Idaho Medicaid. Medicare will also receive the hospital data required for meaningful use for most (if not all) Idaho hospitals, Idaho Medicaid will not.

Idaho Medicaid will estimate the total number of providers expected to apply for a Medicaid incentive using survey data. But that estimation will be created with additional information from other sources, such as WIREC, professional organizations, and the IHDE. This will add to our ability to accurately estimate the number of professionals and hospitals in Idaho who may be eligible and apply for an incentive.

## Appendix A

# Health Care Professional Survey Idaho Health Information Technology/Electronic Health Record Survey Tool

**Is there more than one physical location for your practice/organization?**

No

Yes (please enter the number of locations in the box below)

### DEMOGRAPHIC INFORMATION

**Practice/Organization Name:**

**Practice/Organization National Provider Identifier (NPI):**

### Practice/Organization Mailing Address

Contact Person:

Address:

City/Town:

State:

ZIP:

Contact Email Address:

Contact Phone Number:

### Practice/Organization Physical Address

Address:

City/Town:

State:

ZIP:

# Health Care Professional Survey Idaho Health Information Technology

## Survey Questions

**Which of the following best describes your practice/organizational location? (Select one)**

- Solo practice
- Group practice or partnership
- Multi-specialty group
- Federally Qualified Health Center (FQHC) or FQHC look-alike
- Indian Health Clinic (IHS or 638)
- Rural Health Clinic
- Dentist solo practice
- Dentist group practice
- Other (please specify)

# Health Care Professional Survey Idaho Health Information Technology

## Q2

Please specify the names and NPIs for each provider in the physical location for which you are completing this survey. You may cut and paste a listing of your provider names and NPIs into the text box. Please separate the name and NPI number with a dash ("-").

**Example:**

**John Doe - 1111111111**

**Jane Doe - 2222222222**

# Health Care Professional Survey Idaho Health Information Technology

## Q3

**Enter the estimated total number of patient encounters in an average 90 day period for your practice/organizational location.**

**Enter the estimated number of Medicaid patient encounters (“Needy” patient encounters for FQHC/RHC) in the same average 90 day period for your practice/organizational location. (Needy is defined as meeting one of the following; Medicaid or CHIP recipients, furnished uncompensated care, furnished care on a sliding scale based on ability to pay)**

**My practice/organizational location has internet access.**

- Yes
- No - internet is not available in my geographic location
- No - internet is available but we are not currently connected

## Q6

**If yes, identify the type of internet access the practice/organizational location has:**

- Dial Up
- Broadband
- DSL
- Other (please specify)

**Does your internet service/access meet the needs of your practice/organization?**

- Yes
- No (please explain)

Q7

**Does the practice/organizational location have an electronic health record (EHR) system?**

Yes

No

Q8

**If no, mark the barriers to adoption of an electronic health record in your practice/organizational location. (check all that apply)**

- Costs involved
- Unsure which EHR to purchase
- Limited staff resources
- Concerns regarding patient privacy and/or security
- Disruption to office business processes
- Familiarity with computer systems
- Limited broadband access
- No barriers
- Other (please explain)

**If you do not currently use an electronic health record do you have plans to implement one for your practice/organizational location?**

- Yes
- No

## Q9b

**If yes, when do you plan on implementing an electronic health record system?**

- Plan to implement in the next year
- Plan to implement in the next 1 – 2 years
- Plan to implement in the next 2 – 3 years
- Plan to implement but unsure when

## Q10

### What is the name of your electronic health record system?

- |   |                                     |
|---|-------------------------------------|
| <input type="radio"/> Allscripts                              | <input type="radio"/> Epic Systems  |
| <input type="radio"/> EClinical Works                         | <input type="radio"/> Eclipsys      |
| <input type="radio"/> McKesson Provider Technologies          | <input type="radio"/> EHS           |
| <input type="radio"/> Noteworthy Medical Systems              | <input type="radio"/> Centricity    |
| <input type="radio"/> Greenway Medical Technologies           | <input type="radio"/> Sage Software |
| <input type="radio"/> NextGen Health Care Information Systems | <input type="radio"/> Med Decision  |
| <input type="radio"/> Other (specify)                         |                                     |

**The following question focuses on your practice/organizational location's electronic health record (EHR) functionality. Indicate if your EHR includes one or more of the following: (check all that apply)**

	Yes	No	Unsure
Patient problem list	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Patient allergy list	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Patient medication list	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Orders laboratory tests electronically	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<i>If yes, does the system receive lab results electronically?</i>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Views lab results electronically	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<i>If yes, are out of range results highlighted?</i>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Views imaging results	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Captures clinical notes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<i>If yes, do clinical notes include medical history and follow-up notes</i>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Gives reminders for guideline-based interventions and/or screening	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
E - Prescribing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Reports public health data electronically	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**Q12**

**Does your practice/organizational location participate in a health information exchange (HIE)?**

Yes

No

# Health Care Professional Survey Idaho Health Information Technology

Q13

**If yes indicate the characteristics of the exchange you currently participate in: (check all that apply)**

	Yes	No	Unsure
Enables exchange of information with practices who have a different kind of EHR than your practice has	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Enables exchange of information between hospital employed physicians and independent physician practices	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Has the capability to electronically deliver a patient summary record (including diagnostic test results, problem list, medication list, medication allergy list, immunizations, and procedures) to your practice from other providers and organizations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Has the capability to electronically accept a patient summary record (including diagnostic test results, problem list, medication list, medication allergy list, immunizations, and procedures) from your practice and transmit it to other providers and organizations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Has defined privacy and security policies that participants must agree to comply with	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Has a governance structure that includes representation from hospitals, physicians, public health, payers and consumers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

## Q14

**Mark the barriers to connecting to a health information exchange for your practice/organizational location. (check all that apply)**

- Not applicable, currently connected to a health information exchange
- Costs involved
- Concerns regarding patient privacy and/or security
- Current product does not support data exchange
- Limited broadband access
- No barriers
- Other (please explain)

## Q15

**Eligible professionals can get incentive payments for the adoption and meaningful use of an electronic health record from either Medicare or Medicaid. Do you plan to participate in an incentive program?**

- Yes
- No
- Unsure

## Q16

**If yes, please indicate which program you would choose.**

Medicare

Medicaid

Not sure

## Q17

### If no, what is the reason? (check all that apply)

- I don't know enough about the program to make a decision
- Requires too much work
- Requires too much time
- Too expensive
- Not ready to begin using an EHR
- My practice/organization will not qualify
- Other, please explain

**Appendix B**  
**Hospital Survey Idaho Health Information  
Technology/Electronic Health Record Survey Tool**

# Hospital Survey Idaho Health Information Technology

## Idaho Health Information Technology/Electronic Health Record

**Is there more than one physical location for your hospital?**

No

Yes (please enter the number of locations in the box below)

### DEMOGRAPHIC INFORMATION

**Hospital Name:**

**Hospital Identifier**

- National Provider Identifier (NPI):

- CMS Certification Number (CCN):

**Mailing Address**

**Contact Person:**

**Address:**

**City/Town:**

**State:**

**ZIP:**

**Contact Email Address:**

**Contact Phone Number:**

**Physical Address**

**Address:**

**City/Town:**

**State:**

**ZIP:**

# Hospital Survey Idaho Health Information Technology

## Survey Questions

**Which of the following best describes your organization? (Select one)**

Acute Care Hospital

Other (please specify)

**Enter the estimated total number of inpatient admissions in an average 90 day period for your hospital.**

**Enter the estimated number of Medicaid/CHIP inpatient admissions in the same 90 day period for your hospital.**

**Enter the estimated total number of outpatient visits in an average 90 day period for your hospital.**

**Enter the estimated number of Medicaid/CHIP outpatient visits in the same 90 day period for your hospital.**

**The hospital has internet access.**

Yes

No - internet is not available in our geographic location

No - internet is available but we are not currently connected

# Hospital Survey Idaho Health Information Technology

## Q5

**If yes, identify the type of internet access the hospital has:**

- Dial Up
- Broadband
- DSL
- Other (please specify)

**Does your internet service/access meet the needs of your hospital?**

- Yes
- No (please explain)

# Hospital Survey Idaho Health Information Technology

Q6

**Does the hospital have an electronic health record (EHR) system?**

Yes

No

# Hospital Survey Idaho Health Information Technology

Q7

**If no, mark the barriers to adoption of an electronic health record in your hospital (check all that apply)**

- Costs involved
- Unsure which EHR to purchase
- Concerns regarding patient privacy and/or security
- Limited staff resources
- Disruption to office business processes
- Familiarity with computer systems
- Limited broadband access
- No barriers
- Other (please explain)

**If you do not currently use an electronic health record do you have plans to implement one?**

- Yes
- No

## Q8b

**If yes, when do you plan on implementing an electronic health record system?**

- Plan to implement in the next year
- Plan to implement in the next 1 – 2 years
- Plan to implement in the next 2 – 3 years
- Plan to implement but unsure when

# Hospital Survey Idaho Health Information Technology

Q9

## What is the name of the electronic health record?

- |   |                                     |
|---|-------------------------------------|
| <input type="radio"/> Allscripts                              | <input type="radio"/> Epic Systems  |
| <input type="radio"/> EClinical Works                         | <input type="radio"/> Eclipsys      |
| <input type="radio"/> McKesson Provider Technologies          | <input type="radio"/> EHS           |
| <input type="radio"/> Noteworthy Medical Systems              | <input type="radio"/> Centricity    |
| <input type="radio"/> Greenway Medical Technologies           | <input type="radio"/> Sage Software |
| <input type="radio"/> NextGen Health Care Information Systems | <input type="radio"/> Med Decision  |
| <input type="radio"/> Other (specify)                         |                                     |

The following question focuses on your hospital's electronic health record (EHR) functionality. Indicate if your EHR includes one or more of the following: (check all that apply)

	Yes	No	Unsure
Patient problem list	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Patient allergy list	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Patient medication list	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ordering Laboratory tests	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<i>If yes, does the system receive results electronically?</i>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Viewing lab results	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<i>If yes, are out of range results highlighted?</i>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Viewing imaging results	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Clinical notes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<i>If yes, do clinical notes include medical history and follow-up notes</i>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Reminders for guideline-based interventions and/or screening	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
E - Prescribing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Public health reporting	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<i>If yes, is Public health data reported electronically?</i>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

# Hospital Survey Idaho Health Information Technology

Q11

**Does your hospital participate in a health information exchange (HIE)?**

Yes

No

# Hospital Survey Idaho Health Information Technology

## Q12

**If yes, indicate the characteristics of the exchange you currently participate in: (check all that apply)**

	Yes	No	Unsure
Enables exchange of information with practices who have a different kind of EHR than your hospital has currently.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Enables exchange of information between hospital employed physicians and independent physician practices.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Has the capability to electronically deliver a patient summary record (including diagnostic test results, problem list, medication list, medication allergy list, immunizations, and procedures) to your hospital from other providers and organizations.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Has the capability to electronically accept a patient summary record (including diagnostic test results, problem list, medication list, medication allergy list, immunizations, and procedures) from your hospital and transmit it to other providers and organizations.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Has defined privacy and security policies that participants must agree to comply with.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Has a governance structure that includes representation from hospitals, physicians, public health, payers and consumers.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

## Q13

**Mark the barriers to connecting to a health information exchange for your hospital.  
(check all that apply)**

- Not applicable, currently connected to a health information exchange
- Costs involved
- Concerns regarding patient privacy and/or security
- Current product does not support data exchange
- Limited broadband access
- No barriers
- Other (please explain)

## Q14

**Eligible hospitals can get incentive payments for the adoption and meaningful use of an electronic health record. Medicare and Medicaid will administer the incentive programs.**

**Do you plan to participate in an incentive program?**

Yes

No

Unsure

## Q15

**If yes, indicate which program you would choose.**

- Medicare
- Medicaid
- Both
- Not sure

## Q16

### If no, what is the reason? (check all that apply)

We don't know enough about the program to make a decision

Requires too much work

Requires too much time

Too expensive

Not ready to begin using an EHR

Our hospital will not qualify

Other (please explain)

# Appendix C

## Health Care Professional Survey Idaho Health Information Technology/Electronic Health Record Survey Results

The following survey results are based on the responses to the survey.

**Which of the following best describes your practice/organizational location?**

	County Geo Class			County Geo Class		
	Rural	Urban	Total	Rural	Urban	Total
	Respondent Count			Respondent % of Total		
Solo practice	22	55	77	7%	17%	24%
Group practice or partnership	12	74	86	4%	23%	27%
Multi-specialty group	1	8	9	0%	2%	3%
Federally Qualified Health Center (FQHC) or FQHC look-alike	14	8	22	4%	2%	7%
Indian Health Clinic (IHS or 638)	2	0	2	1%	0%	1%
Rural Health Clinic	11	4	15	3%	1%	5%
Dentist solo practice	21	55	76	6%	17%	23%
Dentist group practice	6	15	21	2%	5%	6%
Other	1	15	16	0%	5%	5%
<b>Total</b>	<b>90</b>	<b>234</b>	<b>324</b>	<b>28%</b>	<b>72%</b>	<b>100%</b>

**My practice/organizational location has internet access.**

	County Geo Class			County Geo Class		
	Rural	Urban	Total	Rural	Urban	Total
	Respondent Count			Respondent % of Total		
Yes	86	219	305	27%	68%	94%
No - internet is not available in my geographic location	0	1	1	0%	0%	0%
No - internet is available but we are not currently connected	1	7	8	0%	2%	2%
No Response	3	7	10	1%	2%	3%
Total	90	234	324	28%	72%	100%

**My practice/organizational location has internet access.**

**If yes, identify the type of internet access the practice/organizational location has:**

	County Geo Class			County Geo Class		
	Rural	Urban	Total	Rural	Urban	Total
	Respondent Count			Respondent % of Total		
Dial Up	2	5	7	1%	2%	2%
Broadband	20	50	70	6%	16%	22%
DSL	53	135	188	17%	43%	60%
T-1	3	9	12	1%	3%	4%
Cable	2	9	11	1%	3%	3%
Fiber	1	3	4	0%	1%	1%
Service Provider	1	2	3	0%	1%	1%
Digital	0	2	2	0%	1%	1%
Wireless	2	0	2	1%	0%	1%
Satellite	1	0	1	0%	0%	0%
T-3	0	1	1	0%	0%	0%
NA	0	1	1	0%	0%	0%
No Response	4	9	13	1%	3%	4%
Total	89	226	315	28%	72%	100%

**Does your internet service/access meet the needs of your practice/organization?**

	County Geo Class			County Geo Class		
	Rural	Urban	Total	Rural	Urban	Total
	Respondent Count			Respondent % of Total		
Yes	83	215	298	26%	68%	95%
No	3	4	7	1%	1%	2%
No Response	3	7	10	1%	2%	3%
Total	89	226	315	28%	72%	100%

**Does the practice/organizational location have an electronic health record (EHR) system?**

	County Geo Class			County Geo Class		
	Rural	Urban	Total	Rural	Urban	Total
	Respondent Count			Respondent % of Total		
Yes	30	97	127	9%	30%	39%
No	57	130	187	18%	40%	58%
No Response	3	7	10	1%	2%	3%
Total	90	234	324	28%	72%	100%

**Barriers to adoption of electronic health record in your practice/organizational location.**

	County Geo Class			County Geo Class		
	Rural	Urban	Total	Rural	Urban	Total
	Responses Count			Responses % of Total		
Cost involved	36	79	112	8%	18%	25%
Unsure which EHR to purchase	16	43	59	4%	10%	13%
Limited staff resources	22	31	53	5%	7%	12%
Concern regarding patient privacy and/or security	16	28	44	4%	6%	10%
Disruption to office business processes	21	36	57	5%	8%	13%
Familiarity with computer systems	12	11	23	3%	2%	5%
Limited broadband access	1	5	6	0%	1%	1%
No barriers	9	20	29	2%	4%	7%
Other	19	43	62	4%	10%	14%
Total	152	296	445	34%	67%	100%

**If you do not currently use an electronic health record do you have plans to implement one for your practice/organizational location?**

	County Geo Class			County Geo Class		
	Rural	Urban	Total	Rural	Urban	Total
	Respondent Count			Respondent % of Total		
Yes	27	49	76	8%	15%	23%
No	32	83	115	10%	26%	35%
No Response	31	102	133	10%	31%	41%
Total	90	234	324	28%	72%	100%

**If yes, when do you plan on implementing an electronic health record system?**

	County Geo Class			County Geo Class		
	Rural	Urban	Total	Rural	Urban	Total
	Respondent Count			Respondent % of Total		
Plan to implement in the next year	5	13	18	7%	17%	24%
Plan to implement in the next 1 – 2 years	13	15	28	17%	20%	37%
Plan to implement in the next 2 – 3 years	1	4	5	1%	5%	7%
Plan to implement but unsure when	8	17	25	11%	22%	33%
Total	27	49	76	36%	64%	100%

**What is the name of your electronic health record system?**

	County Geo Class			County Geo Class		
	Rural	Urban	Total	Rural	Urban	Total
	Respondent Count			Respondent % of Total		
Allscripts	0	4	4	0%	3%	3%
Centridty	3	10	13	2%	8%	10%
EClinical Works	3	15	18	2%	12%	15%
Eclipsys	0	2	2	0%	2%	2%
EHS	0	1	1	0%	1%	1%
McKesson Provider Technologies	0	1	1	0%	1%	1%
NextGen Health Care Information Systems	3	6	9	2%	5%	7%
Noteworthy Medical Systems	1	3	4	1%	2%	3%
Sage Software	1	4	5	1%	3%	4%
Axlotyl	0	1	1	0%	1%	1%
Best Notes	1	0	1	1%	0%	1%
CPSI	1	0	1	1%	0%	1%
Dentrix	5	14	19	4%	11%	15%
Digichart	1	1	2	1%	1%	2%
Eaglesoft	3	13	16	2%	10%	13%
e-MD's	1	1	2	1%	1%	2%
EXscribe	0	1	1	0%	1%	1%
Gave no explanation	1	0	1	1%	0%	1%
GMED/GCARE	0	1	1	0%	1%	1%
Intellicare	0	1	1	0%	1%	1%
Kodak	1	2	3	1%	2%	2%
Medinotes/now Eclipsys	0	1	1	0%	1%	1%
Microfour	1	0	1	1%	0%	1%
NIS thru Dentix Dental Systems	0	1	1	0%	1%	1%
OfficeMate	0	1	1	0%	1%	1%
Open Dental	0	2	2	0%	2%	2%
Opendient	0	1	1	0%	1%	1%
OrthoPad-Stryker	0	1	1	0%	1%	1%
Patterson Eagle Soft	0	1	1	0%	1%	1%
Practice fusion	1	0	1	1%	0%	1%
Practice Works	0	1	1	0%	1%	1%
Praxis	0	1	1	0%	1%	1%
Pro Business System	0	1	1	0%	1%	1%
Pulse Pro Inc	0	1	1	0%	1%	1%
Resource and Patient Management System	1	0	1	1%	0%	1%
Soapware	1	0	1	1%	0%	1%
Softdent/dendex	0	1	1	0%	1%	1%
Tops	1	0	1	1%	0%	1%
<b>Total</b>	<b>30</b>	<b>94</b>	<b>124</b>	<b>24%</b>	<b>76%</b>	<b>100%</b>

**EHR Functionality: Indicate if your EHR includes one or more of the following:**

	Responses to Yes	Responses to No	Responses to Unsure	Total Responses
Patient problem list	113	4	8	125
Patient allergy list	120	1	4	125
Patient medication list	115	4	6	125
Orders laboratory test electronically	53	49	20	122
<i>- If yes, does the system receive lab results electronically?</i>	49	12	6	67
Views lab results electronically	62	43	15	120
<i>- If yes, are out of range results highlighted?</i>	49	9	14	72
Viewing imaging results	89	20	12	121
Captures clinic notes	117	1	4	122
<i>- If yes, do clinical notes include medical history and follow-up notes?</i>	101	3	6	110
Gives reminders for guideline-based interventions and/or screening	75	19	27	121
E – Prescribing	80	25	20	125
Reports Public Health data electronically	16	49	59	124

	Responses % to Yes	Responses % to No	Responses % to Unsure	Total Responses %
Patient problem list	90%	3%	6%	100%
Patient allergy list	96%	1%	3%	100%
Patient medication list	92%	3%	5%	100%
Orders laboratory test electronically	43%	40%	16%	100%
<i>- If yes, does the system receive lab results electronically?</i>	73%	18%	9%	100%
Views lab results electronically	52%	36%	13%	100%
<i>- If yes, are out of range results highlighted?</i>	68%	13%	19%	100%
Viewing imaging results	74%	17%	10%	100%
Captures clinic notes	96%	1%	3%	100%
<i>- If yes, do clinical notes include medical history and follow-up notes?</i>	92%	3%	5%	100%
Gives reminders for guideline-based interventions and/or screening	62%	16%	22%	100%
E – Prescribing	64%	20%	16%	100%
Reports Public Health data electronically	13%	40%	48%	100%

**Does your practice/organizational location participate in a health information exchange (HIE)?**

	County Geo Class			County Geo Class		
	Rural	Urban	Total	Rural	Urban	Total
	Respondent Count			Respondent % of Total		
Yes	4	19	23	1%	6%	7%
No	51	126	177	16%	39%	55%
No Response	35	89	124	11%	27%	38%
Total	90	234	324	28%	72%	100%

**Barriers to connecting to a health information exchange for your practice/organizational location.**

	County Geo Class			County Geo Class		
	Rural	Urban	Total	Rural	Urban	Total
	Responses Count			Responses % of Total		
Costs involved	23	56	79	9%	21%	29%
Concerns regarding patient privacy and/or security	17	31	48	6%	12%	18%
Current product does not support data exchange	12	16	28	4%	6%	10%
Limited broadband access	2	4	6	1%	1%	2%
No barriers	13	31	44	5%	12%	16%
Other	23	40	63	9%	15%	24%
Total	90	178	268	34%	66%	100%

**If yes to health information exchange, indicated the characteristics of the exchange you currently participate in:**

	Responses to Yes	Responses to No	Responses to Unsure	Total Responses
Enables exchange of information with practices who have a different kind of EHR than your practice has	9	10	3	22
Enables exchange of information between hospital employed physicians and independent physician practices	9	10	4	23
Has the capability to electronically deliver a patient summary record (including diagnostic test results, problem list, medication list, medication allergy list, immunizations, and procedures) to your practice from other providers and organizations	3	10	10	23
Has the capability to electronically accept a patient summary record (including diagnostic test results, problem lists, medication lists, medication allergy list, immunizations, and procedures) from your practice and transmit it to other providers and organizations	5	9	9	23
Has defined privacy and security policies that participants must agree to comply with	16	5	2	23
Has a governance structure that includes representation from hospitals, physicians, public health, payers and consumers	9	7	7	23

	Responses % to Yes	Responses % to No	Responses % to Unsure	Total Responses %
Enables exchange of information with practices who have a different kind of EHR than your practice has	41%	45%	14%	100%
Enables exchange of information between hospital employed physicians and independent physician practices	39%	43%	17%	100%
Has the capability to electronically deliver a patient summary record (including diagnostic test results, problem list, medication list, medication allergy list, immunizations, and procedures) to your practice from other providers and organizations	13%	43%	43%	100%
Has the capability to electronically accept a patient summary record (including diagnostic test results, problem lists, medication lists, medication allergy list, immunizations, and procedures) from your practice and transmit it to other providers and organizations	22%	39%	39%	100%
Has defined privacy and security policies that participants must agree to comply with	70%	22%	9%	100%
Has a governance structure that includes representation from hospitals, physicians, public health, payers and consumers	39%	30%	30%	100%

Eligible professionals can get incentive payments for the adoption and meaningful use of an electronic health record from either Medicare or Medicaid. Do you plan to participate in an incentive program?

	County Geo Class			County Geo Class		
	Rural	Urban	Total	Rural	Urban	Total
	Respondent Count			Respondent % of Total		
Yes	30	73	103	9%	23%	32%
No	15	41	56	5%	13%	17%
Unsure	42	110	152	13%	34%	47%
No Response	3	10	13	1%	3%	4%
Total	90	234	324	28%	72%	100%

If yes, please indicate which program you would choose.

	County Geo Class			County Geo Class		
	Rural	Urban	Total	Rural	Urban	Total
	Respondent Count			Respondent % of Total		
Medicare	5	29	34	2%	11%	13%
Medicaid	25	58	83	9%	22%	31%
Not sure	42	96	138	16%	36%	51%
No Response	3	10	13	1%	4%	5%
Total	75	193	268	28%	72%	100%

If health care professional practice/organization does not plan to participate in an incentive program?

	County Geo Class			County Geo Class		
	Rural	Urban	Total	Rural	Urban	Total
	Responses Count			Responses % of Total		
I don't know enough about the program to make a decision	5	11	16	5%	11%	15%
Requires too much work	3	10	13	3%	10%	13%
Requires too much time	3	11	14	3%	11%	13%
Too expensive	4	9	13	4%	9%	13%
Not ready to begin using an EHR	7	19	26	7%	18%	25%
My practice/organization will not qualify	2	3	5	2%	3%	5%
Other	3	14	17	3%	13%	16%
Total	27	77	104	26%	74%	100%

## Appendix D

# Hospital Survey Idaho Health Information Technology/Electronic Health Record Survey Results

The following survey results are based on the respondents to the survey.

**Which of the following best describes your organization?**

	County Geo Class			County Geo Class		
	Rural	Urban	Total	Rural	Urban	Total
	Respondent Count			Respondent % of Total		
Acute Care Hospital	11	7	18	46%	29%	75%
Critical Access Hospital	3	0	3	13%	0%	13%
Psychiatric Hospital	1	0	1	4%	0%	4%
Rehabilitation Hospital	0	1	1	0%	4%	4%
No Response	1	0	1	4%	0%	4%
Total	16	8	24	67%	33%	100%

The hospital has internet access.

	County Geo Class			County Geo Class		
	Rural	Urban	Total	Rural	Urban	Total
	Respondent Count			Respondent % of Total		
Yes	15	8	23	63%	33%	96%
No	0	0	0	0%	0%	0%
No Response	1	0	1	4%	0%	4%
Total	16	8	24	67%	33%	100%

The hospital has internet access: If yes, identify the type of internet access the hospital has:

	County Geo Class			County Geo Class		
	Rural	Urban	Total	Rural	Urban	Total
	Respondent Count			Respondent % of Total		
Broadband	9	3	12	38%	13%	50%
DSL	4	0	4	17%	0%	17%
Fiber Optic	2	2	4	8%	8%	17%
Other	0	3	3	0%	13%	13%
No Response	1	0	1	4%	0%	4%
Total	16	8	24	67%	33%	100%

Does your internet service/access meet the needs of your hospital?

	County Geo Class			County Geo Class		
	Rural	Urban	Total	Rural	Urban	Total
	Respondent Count			Respondent % of Total		
Yes	12	8	20	50%	33%	83%
No	3	0	3	13%	0%	13%
No Response	1	0	1	4%	0%	4%
Total	16	8	24	67%	33%	100%

Does the hospital have an electronic health record (EHR) system?

	County Geo Class			County Geo Class		
	Rural	Urban	Total	Rural	Urban	Total
	Respondent Count			Respondent % of Total		
Yes	11	5	16	46%	21%	67%
No	4	3	7	17%	13%	29%
No Response	1	0	1	4%	0%	4%
Total	16	8	24	67%	33%	100%

Barriers to adoption of electronic health record in your hospital.

	County Geo Class			County Geo Class		
	Rural	Urban	Total	Rural	Urban	Total
	Responses Count			Responses % of Total		
Cost involved	3	1	4	19%	6%	25%
Unsure which EHR to purchase	1	1	2	6%	6%	13%
Concern regarding patient privacy and/or security	1	0	1	6%	0%	6%
Limited staff resources	1	0	1	6%	0%	6%
Disruption to office business processes	1	0	1	6%	0%	6%
Familiarity with computer systems	1	0	1	6%	0%	6%
Limited broadband access	1	0	1	6%	0%	6%
No barriers	1	1	2	6%	6%	13%
Other	2	1	3	13%	6%	19%
Total	12	4	16	75%	25%	100%

If you do not currently use an electronic health record do you have plans to implement one?

	County Geo Class			County Geo Class		
	Rural	Urban	Total	Rural	Urban	Total
	Respondent Count			Respondent % of Total		
Yes	5	3	8	63%	38%	100%
No	0	0	0	0%	0%	0%
Total	5	3	8	63%	38%	100%

**If you do not currently use an electronic health record do you have plans to implement one?: If yes, when do you plan on implementing an electronic health record system?**

	County Geo Class			County Geo Class		
	Rural	Urban	Total	Rural	Urban	Total
	Respondent Count			Respondent % of Total		
Plan to implement in the next year	2	1	3	25%	13%	38%
Plan to implement in the next 1 – 2 years	1	1	2	13%	13%	25%
Plan to implement in the next 2 – 3 years	0	1	1	0%	13%	13%
Plan to implement but unsure when	2	0	2	25%	0%	25%
Total	5	3	8	63%	38%	100%

**What is the name of the electronic health record?**

	County Geo Class			County Geo Class		
	Rural	Urban	Total	Rural	Urban	Total
	Respondent Count			Respondent % of Total		
CPSI	5	0	5	31%	0%	31%
E-MDs	1	0	1	6%	0%	6%
Healthcare Management Systems (HMS) Patient Care and Clinical View	0	1	1	0%	6%	6%
Healthland	1	0	1	6%	0%	6%
Help 1	1	0	1	6%	0%	6%
McKesson Paragon	0	1	1	0%	6%	6%
MediTech	1	2	3	6%	13%	19%
Siemens Soarian Clinicals	1	1	2	6%	6%	13%
vxVista	1	0	1	6%	0%	6%
Total	11	5	16	69%	31%	100%

EHR Functionality: Indicate if your EHR includes one or more of the following:

	Responses to Yes	Responses to No	Responses to Unsure	Total Responses
Patient problem list	13	3	0	16
Patient allergy list	16	0	0	16
Patient medication list	15	0	1	16
Ordering Laboratory test	12	4	0	16
- If yes, does the system receive results electronically?	10	0	1	11
Viewing lab results	14	1	1	16
- If yes, are out of range results highlighted?	11	2	1	14
Viewing imaging results	12	3	1	16
Clinical notes	14	1	1	16
- If yes, do clinical notes include medical history and follow-up notes	9	3	1	13
Reminders for guideline-based interventions and/or screening	8	4	4	16
E – Prescribing	9	6	1	16
Public health reporting	5	8	3	16
- If yes, is Public Health data reported electronically?	3	0	2	5

	Responses % to Yes	Responses % to No	Responses % to Unsure	Total Responses %
Patient problem list	81%	19%	0%	100%
Patient allergy list	100%	0%	0%	100%
Patient medication list	94%	0%	6%	100%
Ordering Laboratory test	75%	25%	0%	100%
- If yes, does the system receive results electronically?	91%	0%	9%	100%
Viewing lab results	88%	6%	6%	100%
- If yes, are out of range results highlighted?	79%	14%	7%	100%
Viewing imaging results	75%	19%	6%	100%
Clinical notes	88%	6%	6%	100%
- If yes, do clinical notes include medical history and follow-up notes	69%	23%	8%	100%
Reminders for guideline-based interventions and/or screening	50%	25%	25%	100%
E – Prescribing	56%	38%	6%	100%
Public health reporting	31%	50%	19%	100%
- If yes, is Public Health data reported electronically?	60%	0%	40%	100%

**Does your hospital participate in a health information exchange (HIE)?**

	County Geo Class			County Geo Class		
	Rural	Urban	Total	Rural	Urban	Total
	Respondent Count			Respondent % of Total		
Yes	4	2	6	17%	8%	25%
No	11	6	17	46%	25%	71%
No Response	1	0	1	4%	0%	4%
Total	16	8	24	67%	33%	100%

**Barriers to connecting to a health information exchange for your hospital.**

	County Geo Class			County Geo Class		
	Rural	Urban	Total	Rural	Urban	Total
	Responses Count			Responses % of Total		
Costs involved	6	4	10	19%	13%	32%
Concerns regarding patient privacy and/or security	7	1	8	23%	3%	26%
Current product does not support data exchange	5	0	5	16%	0%	16%
Limited broadband access	2	0	2	6%	0%	6%
No barriers	0	1	1	0%	3%	3%
Other	4	1	5	13%	3%	16%
Total	24	7	31	77%	23%	100%

**If yes to health information exchange, indicated the characteristics of the exchange you currently participate in:**

	Responses to Yes	Responses to No	Responses to Unsure	Total Responses
Enables exchange of information with practices who have a different kind of EHR than your practice has	6	0	0	6
Enables exchange of information between hospital employed physicians and independent physician practices	4	1	1	6
Has the capability to electronically deliver a patient summary record (including diagnostic test results, problem list, medication list, medication allergy list, immunizations, and procedures) to your practice from other providers and organizations	4	2	0	6
Has the capability to electronically accept a patient summary record (including diagnostic test results, problem lists, medication lists, medication allergy list, immunizations, and procedures) from your practice and transmit it to other providers and organizations	3	3	0	6
Has defined privacy and security policies that participants must agree to comply with	4	0	2	6
Has a governance structure that includes representation from hospitals, physicians, public health, payers and consumers	3	2	1	6

	Responses % to Yes	Responses % to No	Responses % to Unsure	Total Responses %
Enables exchange of information with practices who have a different kind of EHR than your practice has	100%	0%	0%	100%
Enables exchange of information between hospital employed physicians and independent physician practices	67%	17%	17%	100%
Has the capability to electronically deliver a patient summary record (including diagnostic test results, problem list, medication list, medication allergy list, immunizations, and procedures) to your practice from other providers and organizations	67%	33%	0%	100%
Has the capability to electronically accept a patient summary record (including diagnostic test results, problem lists, medication lists, medication allergy list, immunizations, and procedures) from your practice and transmit it to other providers and organizations	50%	50%	0%	100%
Has defined privacy and security policies that participants must agree to comply with	67%	0%	33%	100%
Has a governance structure that includes representation from hospitals, physicians, public health, payers and consumers	50%	33%	17%	100%

**Eligible hospitals can get incentive payments for the adoption and meaningful use of an electronic health record. Medicare and Medicaid will administer the incentive programs. Do you plan to participate in an incentive program?**

	County Geo Class			County Geo Class		
	Rural	Urban	Total	Rural	Urban	Total
	Respondent Count			Respondent % of Total		
Yes	11	6	17	46%	25%	71%
No	0	0	0	0%	0%	0%
Unsure	4	2	6	17%	8%	25%
No Response	1	0	1	4%	0%	4%
Total	16	8	24	67%	33%	100%

**If planning to participate in an incentive program, indicate which program you would choose.**

	County Geo Class			County Geo Class		
	Rural	Urban	Total	Rural	Urban	Total
	Respondent Count			Respondent % of Total		
Medicare	2	1	3	8%	4%	13%
Medicaid	0	0	0	0%	0%	0%
Both	9	6	15	38%	25%	63%
Not sure	4	1	5	17%	4%	21%
No Response	1	0	1	4%	0%	4%
Total	16	8	24	67%	33%	100%