

### Overview

#### **2019 Illinois Health IT Survey Report**

Prepared by the Illinois Health Information Technology Regional Extension Center at Northern Illinois University under agreement with the Illinois Department of Health and Family Services (HFS).

The purpose of the Survey was to determine the extent of health information technology use by providers and hospitals in Illinois.

The results are used to better facilitate the adoption of electronic health records (EHR) and Health Information Exchange (HIE) systems in Illinois through the Medicaid Promoting Interoperability (PI) Program.





# Survey Highlights 2019 Illinois Health IT Survey Report

290 respondents completed the survey representing over 10,000 providers.

Nearly 69% of respondents have providers enrolled in the Promoting Interoperability (PI) Program representing a minimum of 2,845 providers who are in the Medicaid PI program (37% of total eligible 2019 providers).

Around 47% expected to meet Stage 3 requirements in the 2019 program year.

Approximately 28% of respondents are participating in a Regional Health Information Exchange (HIE), slightly less than reported in 2018.





### **Survey Highlights**

#### **2019 Illinois Health IT Survey Report**

Thirty-five percent of respondents are not connected to an HIE or have plans to connect to one in the future, down from 39% in 2018.

One-third of respondents anticipate reporting eCQMs via QRDA file in 2019 and 35% expect to in 2020.

Nearly 80% of hospitals have a process to generate data related to inpatient and/or emergency room admissions, discharges, and transfers (ADT).

Over 63% of respondents have a process in place to receive ADT notifications.

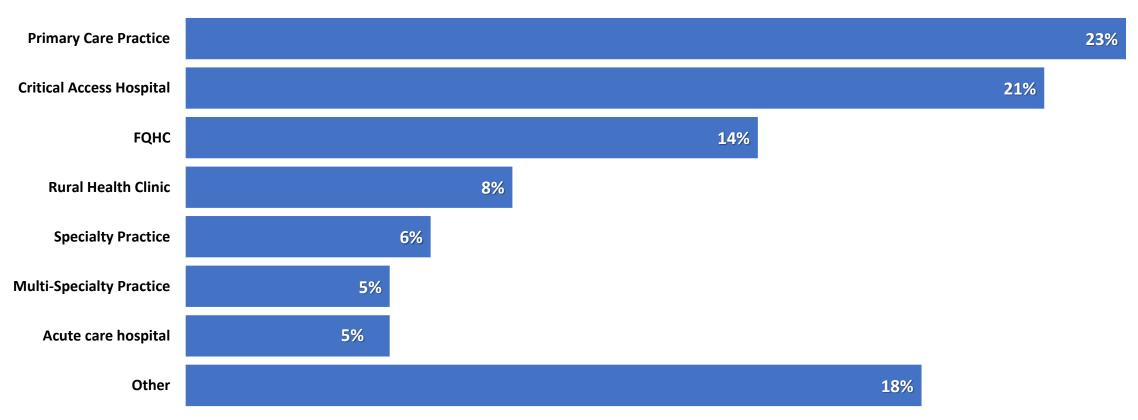
Nearly all respondents were supportive of having access to an accurate directory of direct secure message addresses.





**2019 Illinois Health IT Survey Report** 

Which of the following best describes your type of organization?

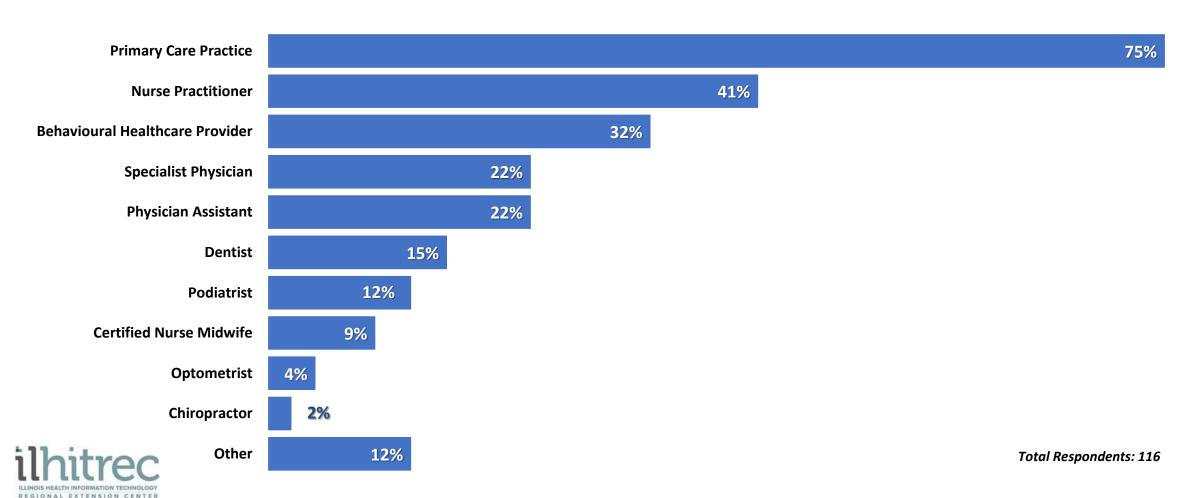




**Total Respondents: 118** 

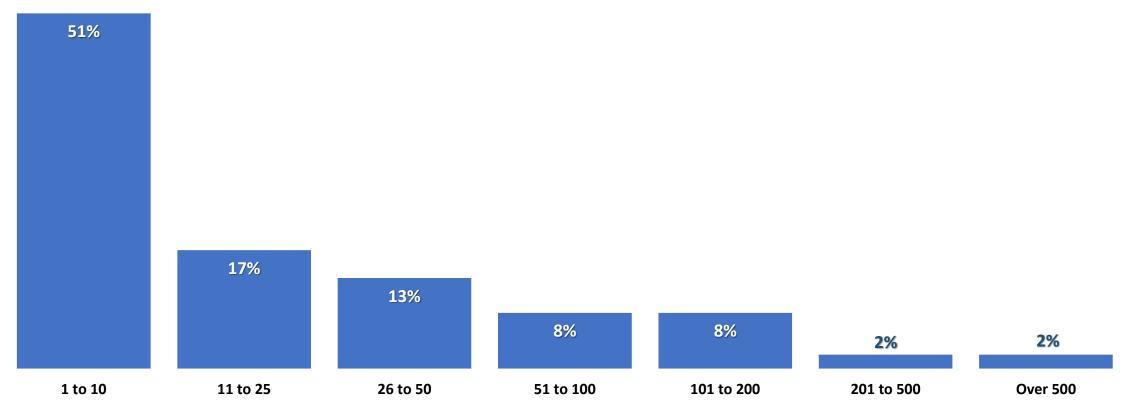
**2019 Illinois Health IT Survey Report** 

#### Which of the following best describes your provider type?



**2019 Illinois Health IT Survey Report** 

How many providers are part of your organization?

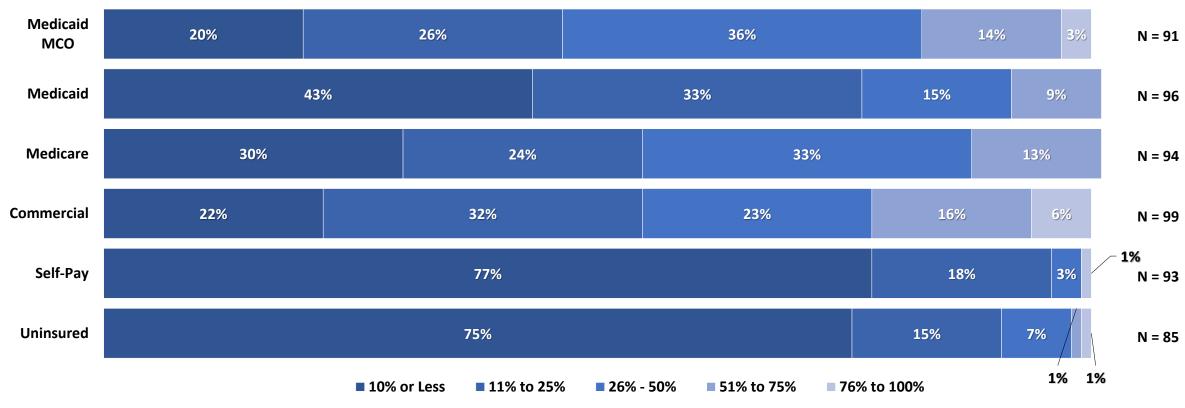


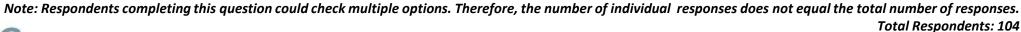


**Total Respondents: 118** 

#### **2019 Illinois Health IT Survey Report**

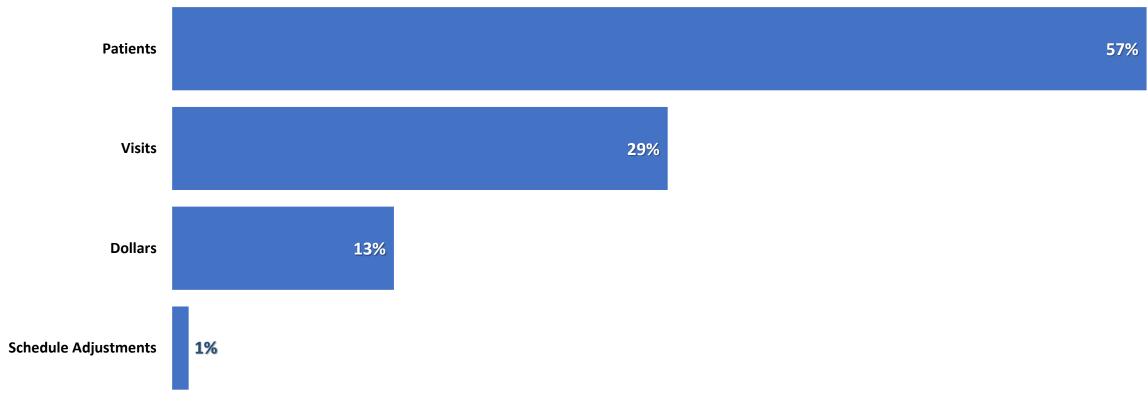
#### What percentage of your patients fall into the following payer types?





**2019 Illinois Health IT Survey Report** 

How did you determine what percentage of your patients fell into different payer types?





**2019 Illinois Health IT Survey Report** 

What type of Internet connection do you have at your organization?





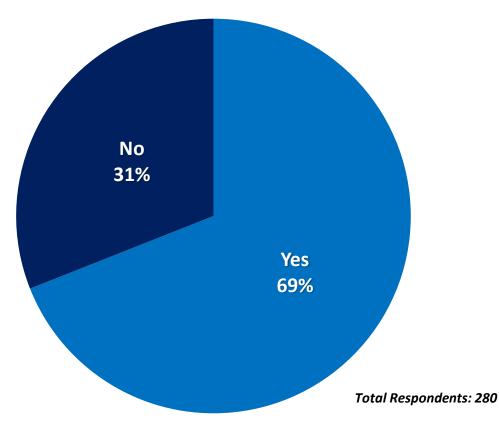
Note: Wired broadband includes DSL, cable modem, or faster connection e.g. T1 or T3 line.

Total Respondents: 113

**2019 Illinois Health IT Survey Report** 

Do you have providers enrolled in the Promoting Interoperability (PI) Program (formerly known as the Medicaid EHR Incentive Payment Program) for using electronic health record systems in the adoption of meaningful use?

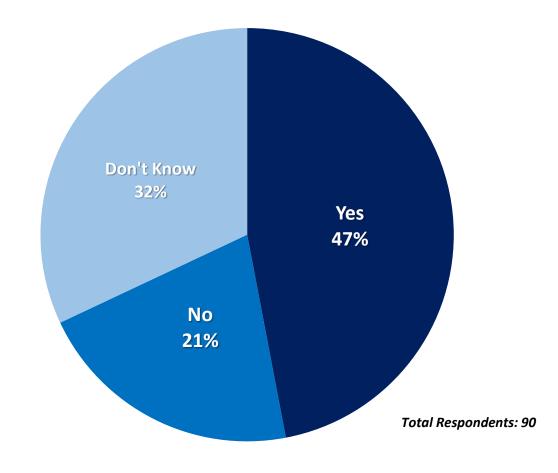




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Do you anticipate meeting the Stage 3 requirements for the 2019 program year?

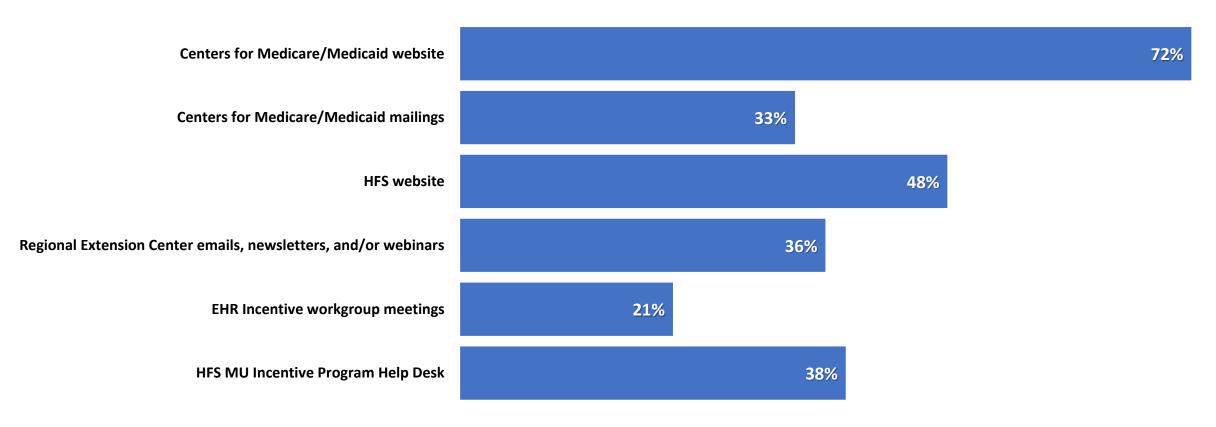






**2019 Illinois Health IT Survey Report** 

What method(s) do you use to obtain EHR Incentive Program information?





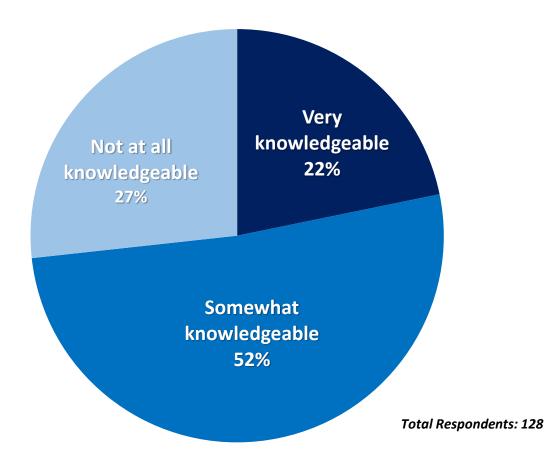
Note: Respondents completing this question could check multiple options. Therefore, the number of individual responses does not equal the total number of responses.

Total Respondents: 126

**2019 Illinois Health IT Survey Report** 

How would you categorize your knowledge of Regional Extension Center activities in Illinois?







### **EHR Utilization**

#### **2019 Illinois Health IT Survey Report**

#### Which statement best describes your organization's EHR system?



- Purchased an EHR but are not yet using the system.
- EHR installed and use it for some of the available functions.
- EHR implemented and use it for most (more than 90%) functions of our organization.



10%



### **EHR Utilization**

#### **2019 Illinois Health IT Survey Report**

Please indicate the EHR(s) being used by your organization. If your organization has more than one EHR, you may select up to three EHR products that are used as the primary, secondary, and tertiary systems.



**Total Respondents: 160** 

Answer Options	Primary EHR	Secondary EHR	Tertiary EHR	Responses*
Acumen	2	0	1	3
Allscripts	6	4	-	10
Athenahealth	18	2	-	20
Cerner	17	0	-	17
CPSI	13	2	1	16
eClinicalWorks	17	1	-	18
EPIC	13	3	1	17
GE/Centricity	10		1	11
Greenway	5	-	1	6
McKesson	2	-	1	3
Meditech	12	1	-	13
NextGen	14	4		18
Practice Fusion	7		-	7
Other	33	5		38

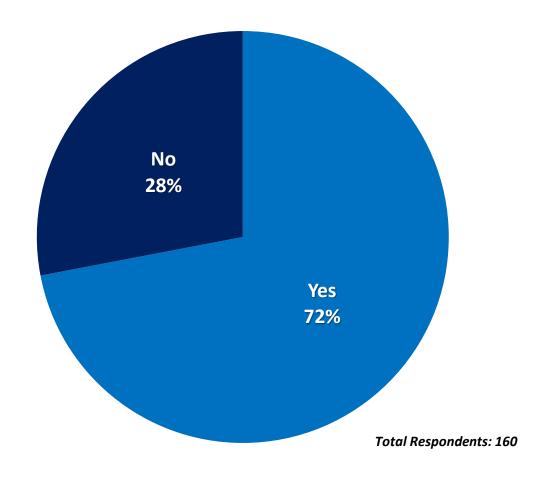


### **EHR Utilization**

**2019 Illinois Health IT Survey Report** 

Did your EHR vendor adequately meet your staff's training needs?







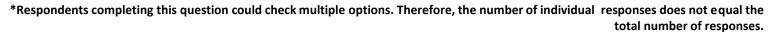
#### **2019 Illinois Health IT Survey Report**

#### How often does your organization use the following EHR functionality?



**Total Respondents: 160** 

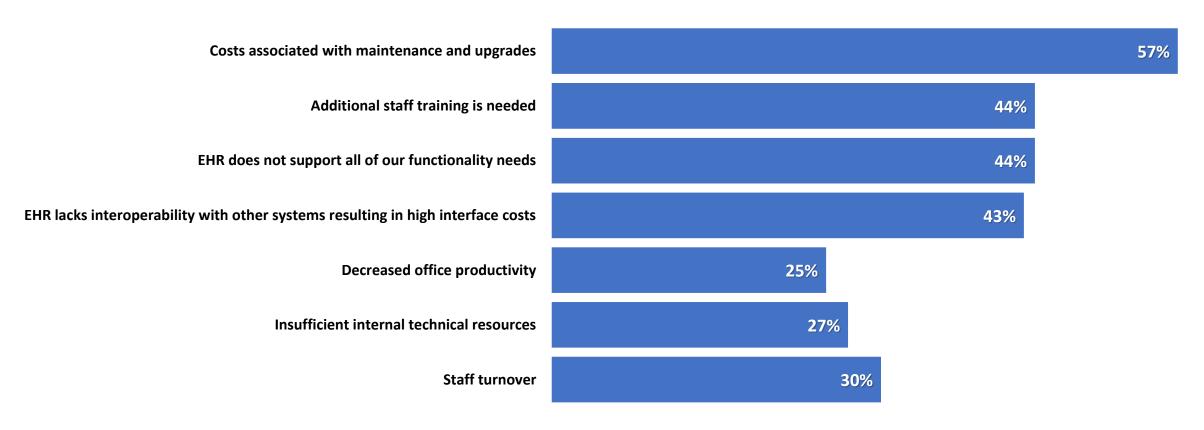
Answer Options	Used regularly	Used occasionally	Never used	Not available	Function turned off/not in use	Responses*
Insurance eligibility checking	73%	8%	4%	6%	9%	158
Electronic claims submission	90%	0%	3%	2%	4%	157
Tracking patient consent and authorizations	66%	11%	8%	8%	7%	155
Patient scheduling	90%	4%	2%	1%	4%	157
Patient workflows	82%	8%	2%	4%	3%	154
Task management	75%	11%	6%	3%	5%	154
Expedite patient encounters	77%	6%	6%	6%	5%	154
Templates and Order Sets	83%	10%	3%	2%	3%	160
Meaningful use reporting	76%	9%	5%	5%	5%	157
Remote access from other	66%	21%	5%	5%	3%	154





#### **2019 Illinois Health IT Survey Report**

What challenges does your organization face in effective utilization of the EHR?



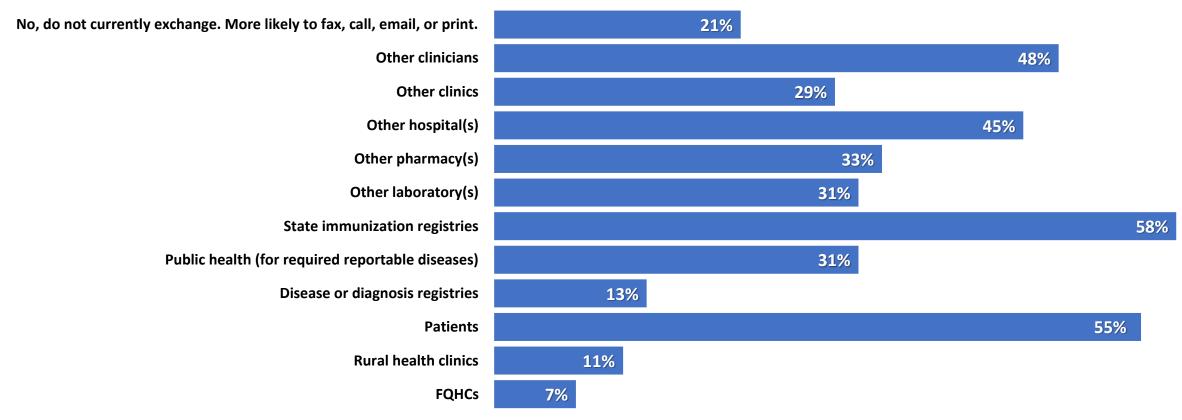


Note: Respondents completing this question could check multiple options. Therefore, the number of individual responses does not equal the total number of responses.

Total Respondents: 156

#### **2019 Illinois Health IT Survey Report**

#### Are you currently sharing information electronically using your EHR?



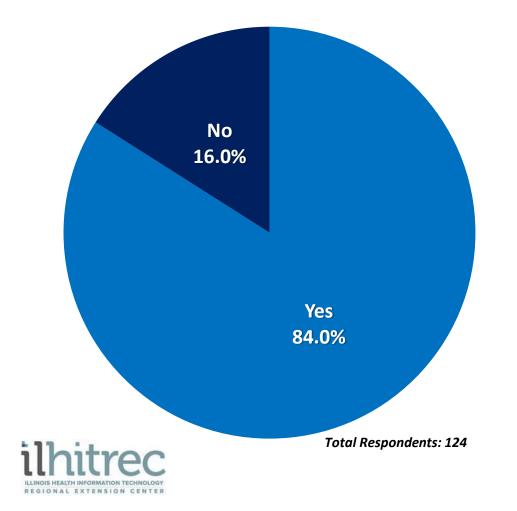


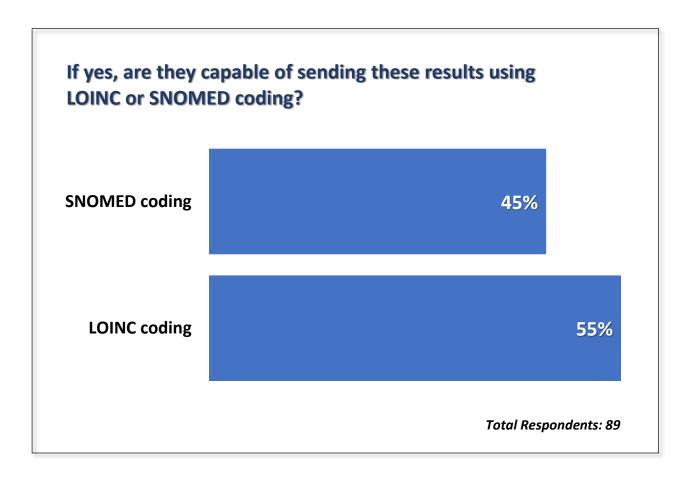
Note: Respondents completing this question could check multiple options. Therefore, the number of individual responses does not equal the total number of responses.

Total Respondents: 161

**2019 Illinois Health IT Survey Report** 

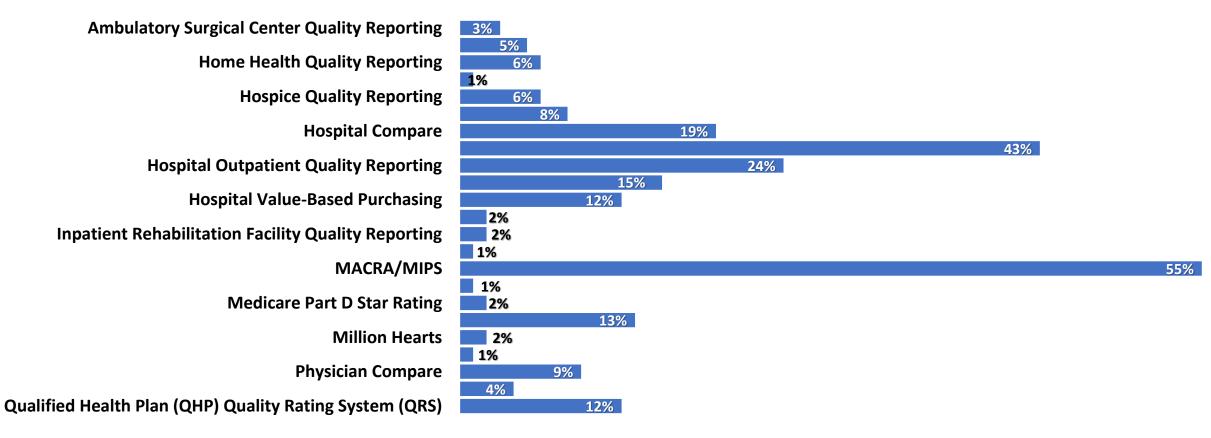
If applicable, are the laboratories at your facility capable of sending results electronically to providers?





#### **2019 Illinois Health IT Survey Report**

Does your organization report CQMs or eCQMs for other government programs?





**2019 Illinois Health IT Survey Report** 

Do you anticipate reporting CQMs electronically (eCQMs) via QRDA file?

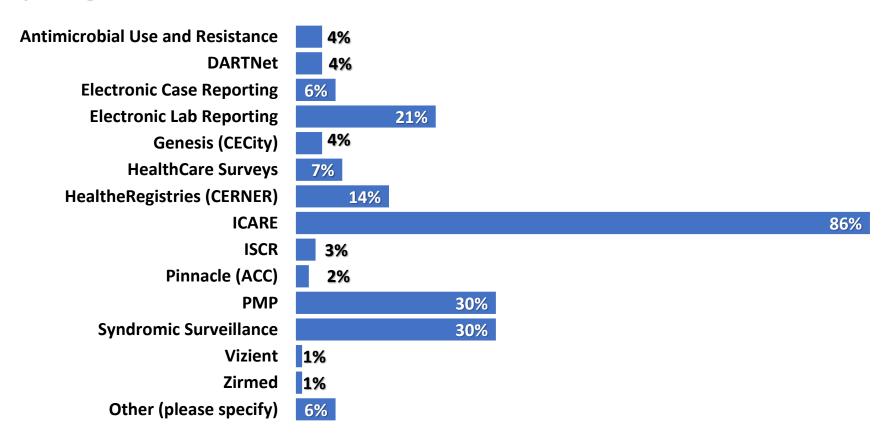


■ Yes ■ No ■ Don't Know



#### **2019 Illinois Health IT Survey Report**

#### Which specialized registries does your organization utilize?

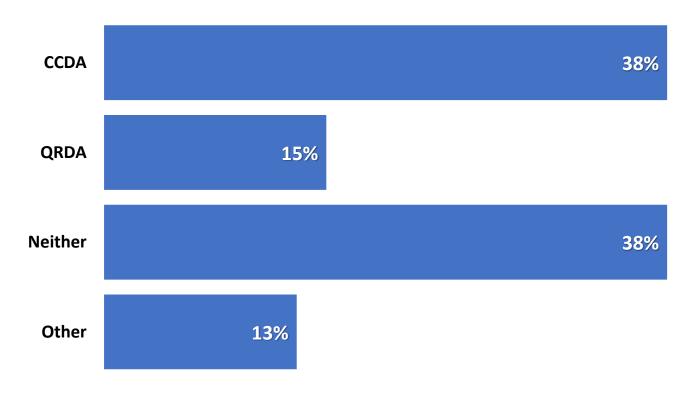




**2019 Illinois Health IT Survey Report** 

#### Do you send registry information using CCDA or QRDA standards?



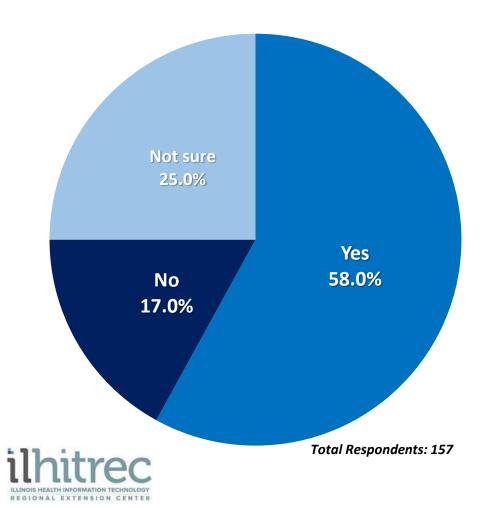


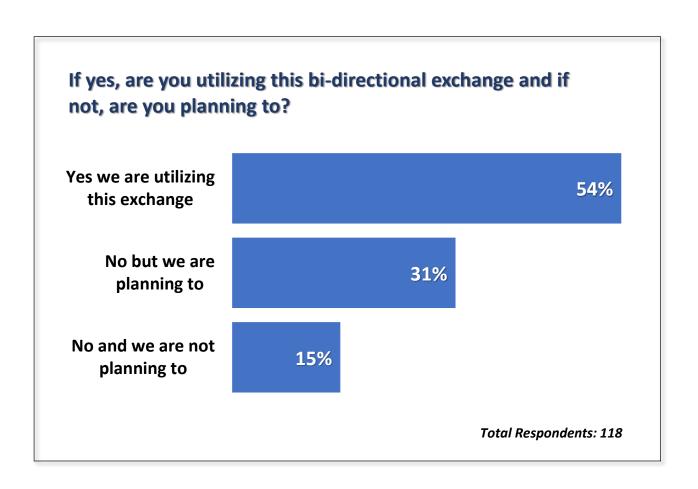


**Total Respondents: 133** 

#### **2019 Illinois Health IT Survey Report**

If Is your EHR capable of bi-directional data exchanges and the Illinois immunization registry? (I-CARE)





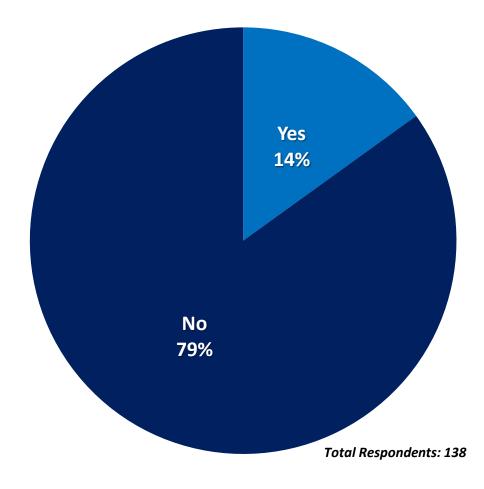
**2019 Illinois Health IT Survey Report** 

Is your organization planning on using electronic case reporting?



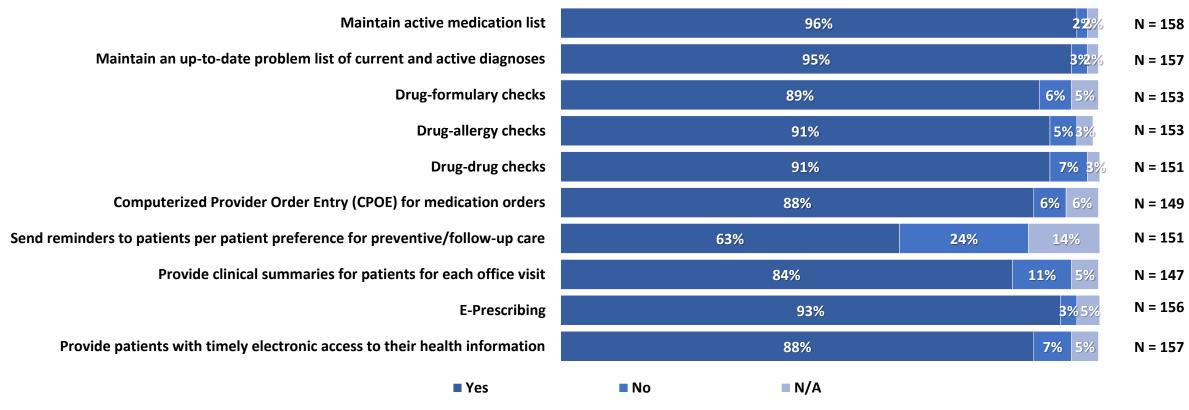
Note: Most respondents did not identify their vendor. However, three respondents indicated Epic, eClinicalWorks, and DAS Health.





#### **2019 Illinois Health IT Survey Report**

Please indicate if your organization is using the following features of your EHR.

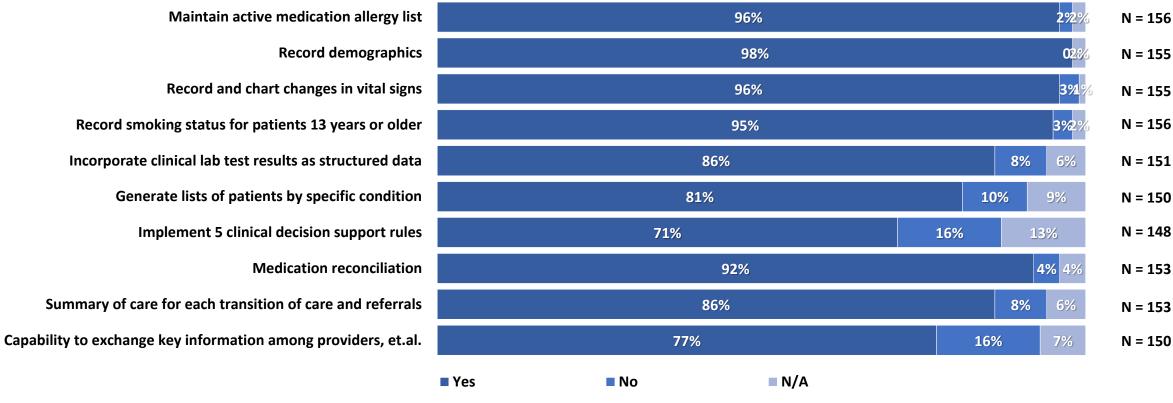


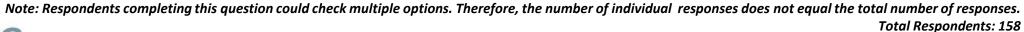
Note: Respondents completing this question could check multiple options. Therefore, the number of individual responses does not equal the total number of responses.

Total Respondents: 158

#### **2019 Illinois Health IT Survey Report**

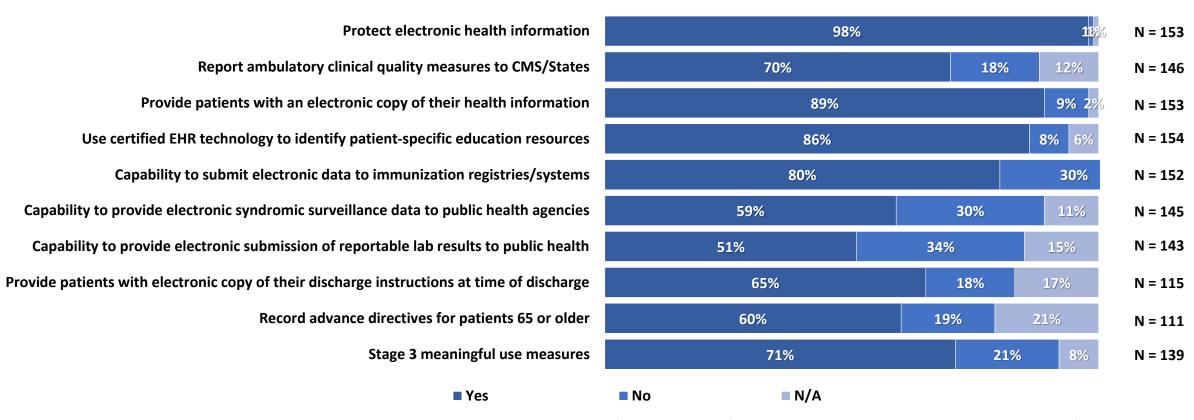
Please indicate if your organization is using the following features of your EHR.

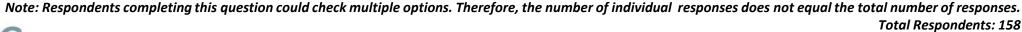




#### **2019 Illinois Health IT Survey Report**

Please indicate if your organization is using the following features of your EHR.

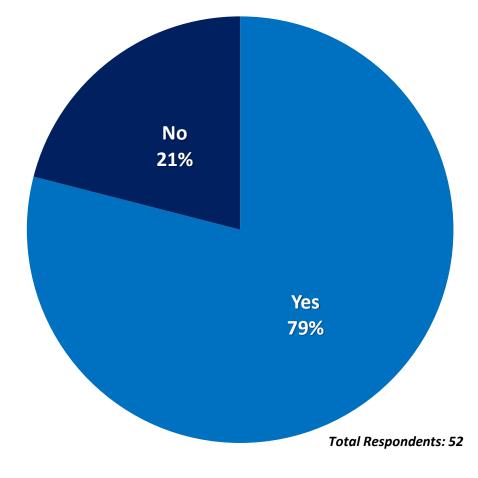




**2019 Illinois Health IT Survey Report** 

Does your hospital have a process to generate data related to inpatient and/or emergency room admissions, discharges, and transfers (ADT)?



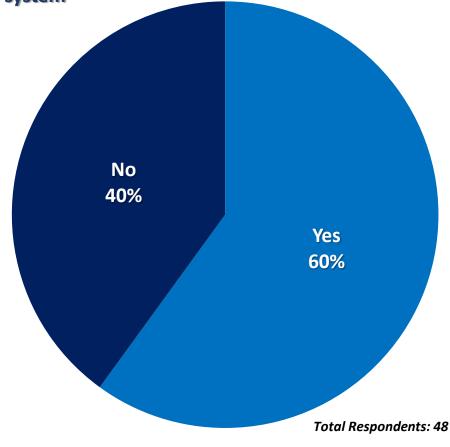




**2019 Illinois Health IT Survey Report** 

Does your hospital share ADT notifications with clinical care teams – either within your hospital/health system or outside the hospital/health system for patient care transition purposes (i.e. not just for billing)?

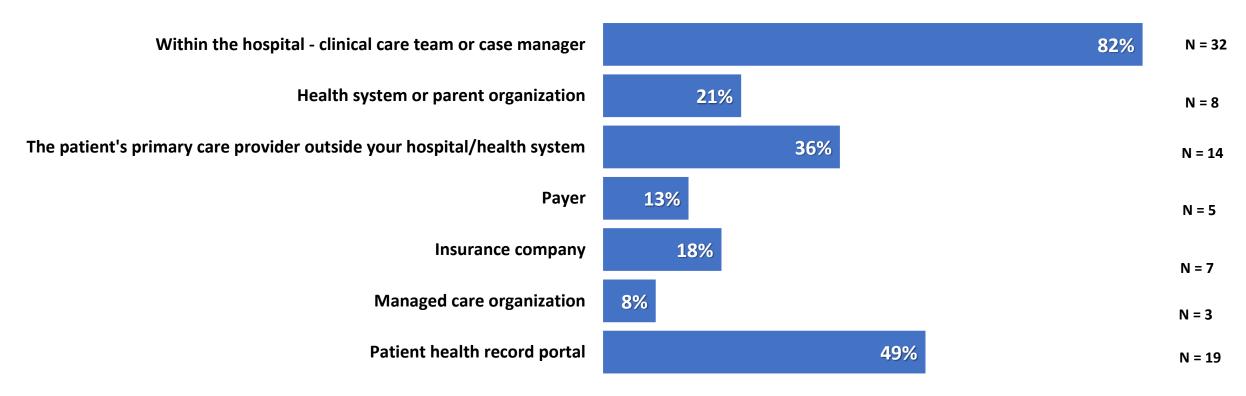






**2019 Illinois Health IT Survey Report** 

#### Where are the hospital's ADT notifications sent?

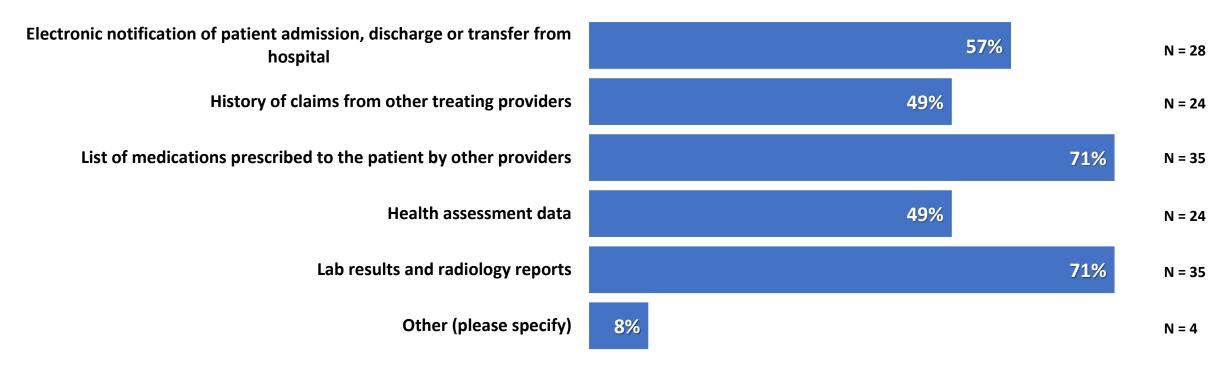




**Total Respondents: 39** 

**2019 Illinois Health IT Survey Report** 

What data from outside your organization would most improve your ability to provide care to your patients/clients?





Total Respondents: 49

**2019 Illinois Health IT Survey Report** 

What are the biggest challenges to getting data about your patients from outside your organization?

"Authorization/Consents then phone calls and fax make the process very cumbersome and never happens in real time."

"Documentation of consent/authorization for record release/transfer."

"EHR to EHR communication. Awareness of other care provided."

"Epic customers provide lab/procedure data that tests were performed but not the actual results due to Epic not using LOINC codes properly."

"Expenses of implementing interoperability and finding a way to do so across a common platform."

"Getting data electronically in other ways than faxing."

"Getting data in a timely fashion if no Commonwell access."





**2019 Illinois Health IT Survey Report** 

What are the biggest challenges to getting data about your patients from outside your organization?

"Getting Direct Message accounts from providers outside our network."

"Misinterpretation of HIPAA."

"No electronic connectivity, trained staff."

"Not in a Health Information Exchange (HIE)."

"The biggest issue is the HIE. Not everyone uses Direct and if they do, the directory is not locating the provider and there is no list (directory) of providers/hospitals using the exchange."

"The time it takes and having the patient to be seen by me first to sign to get care everywhere, so cannot preview the labs prior to appointment."

"There are not enough sharing electronic data and those who share electronic data sometimes send useless data from 20 or more years ago."





**2019 Illinois Health IT Survey Report** 

What are the biggest challenges to getting data about your patients from outside your organization?

"There isn't a way for nursing homes to send patient data for residents that are being admitted into the hospital."

"Time and price of quality scanners and entering the values into the EMR so that provider can trend - this is mainly in the clinic setting."

"Unable to obtain electronically without multiple expensive interfaces."

"We request information via direct messaging, and we desire to send information via direct messaging but are not successful with obtain addresses. We also participate with Commonwell, yet the Epic facilities around us do not - so when we query for information, we aren't getting what we need."

"Patients don't maintain info."

"Time, cost, training."





**2019 Illinois Health IT Survey Report** 

If you had access to an accurate directory of Direct, secure electronic message addresses would you use it frequently to send or receive data from other providers? Why or why not?

Of the 33 responses, nearly all said they would use the addresses of they had access. Several had caveats and only two said they would not use it.

"Definitely. It has been a struggle to obtain this information from other orgs. It requires quite a bit of leg work to track down the right people at each facility to get a direct address listing."

"Depends on the GUI and the ease of use as well as if it is all the necessary information."

"I would use it. Most ROI companies are burning disc now and if we could auto send to a secure link they trust they might not have such an issue opening the link etc."





**2019 Illinois Health IT Survey Report** 

If you had access to an accurate directory of Direct, secure electronic message addresses would you use it frequently to send or receive data from other providers? Why or why not?

"It would need to be incorporated into the current EMR workflow and not be an extra on the side access."

"Maybe... Difficult to know how often somebody is checking these electronic messages and when to expect an answer. How to navigate a physician group and get it to the right staff person for response instead of the physician."

"No, we have this capability now, but the other providers refuse to utilize it."

"We already do, but many community providers do not have Direct Secure addresses yet."





**2019 Illinois Health IT Survey Report** 

If you had access to an accurate directory of Direct, secure electronic message addresses would you use it frequently to send or receive data from other providers? Why or why not?

"Yes... Especially sending discharge information in a transition of care."

"Yes, but we would need to also extend the licensing of our direct messaging system (which is also a hefty expense)."

"Yes, if other providers began expecting to receive the data in this way and actually accepted that as the mechanism to transmit data. The capability needs to expand beyond CCDA type documents."

"Yes some -which all NPIs had trusted HISP Direct address requirement."

"Yes, to keep communication better."

"Yes, but currently we don't know who to send Direct messages to and how to notify other to send to us."





**2019 Illinois Health IT Survey Report** 

If you had access to an accurate directory of Direct, secure electronic message addresses would you use it frequently to send or receive data from other providers? Why or why not?

"Yes, in order to improve efficiency of care provision."

"Yes, it did be far more efficient."

"Yes, if other providers began expecting to receive the data in this way and actually accepted that as the mechanism to transmit data. The capability needs to expand beyond CCDA type documents."

"Yes, we would. We find the electronic exchange to be very efficient."

"Yes. Sending/receiving electronic data streamlines the process of sharing crucial information and places it directly in the hands of the providers."

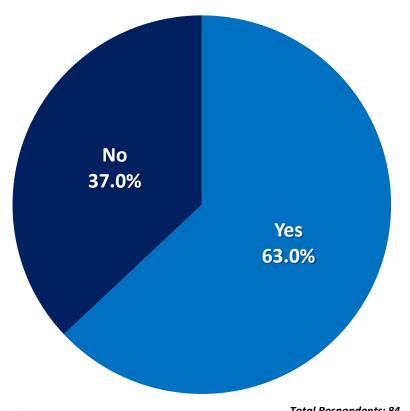
"Yes, it would facilitate patient care and transitions."



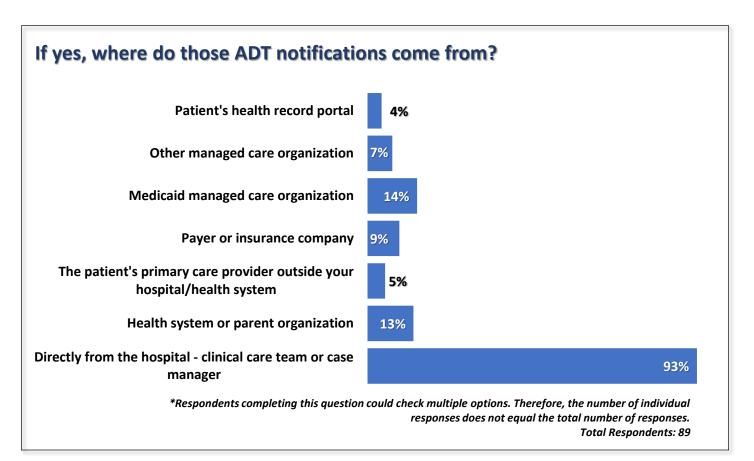


**2019 Illinois Health IT Survey Report** 

Does your organization have a process to receive notifications when your patients experience inpatient and/or emergency room admissions, discharges, and transfers (ADT)?



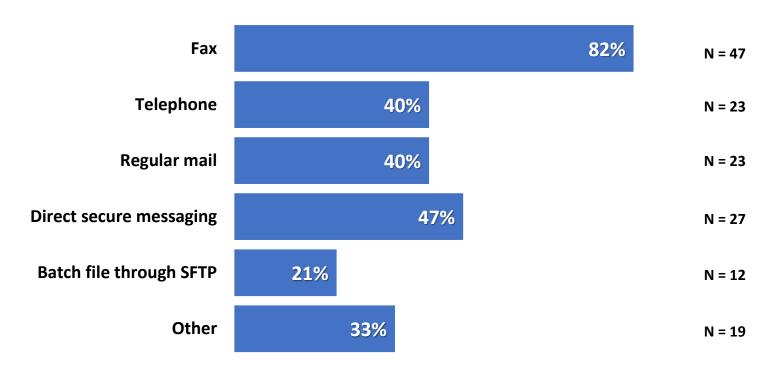




**2019 Illinois Health IT Survey Report** 

What proportion (percent) of ADT notifications are received by the following means?





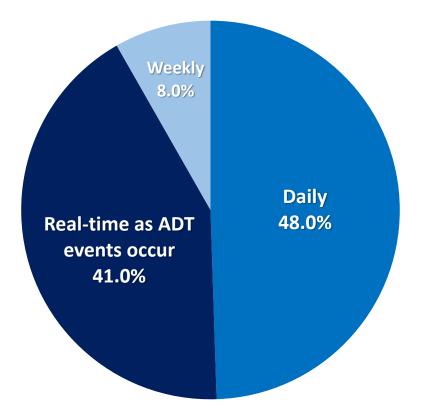
<sup>\*</sup>Respondents completing this question could check multiple options. Therefore, the number of individual responses does not equal the total number of responses.

Total Respondents: 57

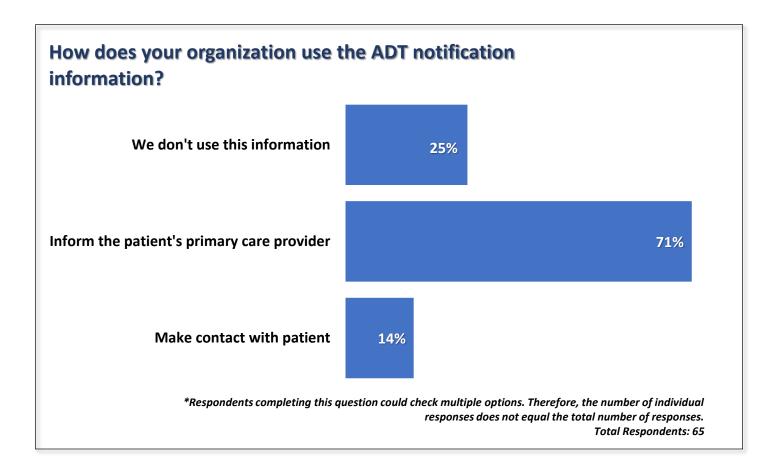


**2019 Illinois Health IT Survey Report** 

How frequently does your organization receive ADT notification information?



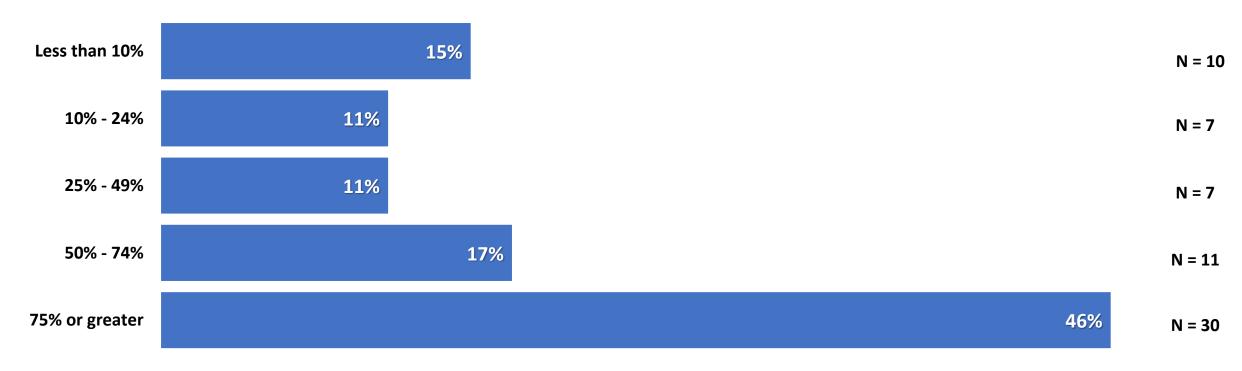






**2019 Illinois Health IT Survey Report** 

For your patients who had ER and/or hospital visits this past year, what percentage of those patients did you receive an ADT notification when the ER and/or hospital visit occurred?

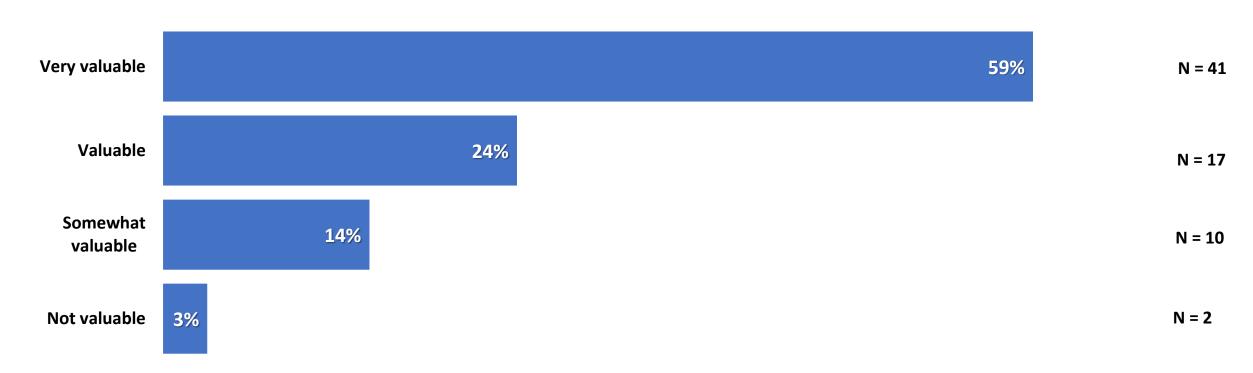




**Total Respondents: 65** 

**2019 Illinois Health IT Survey Report** 

How valuable does your organization perceive receiving ADT notifications to be?

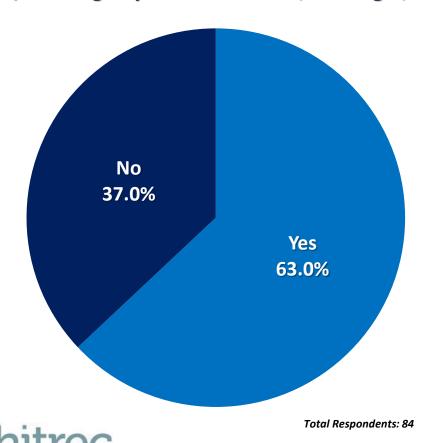




**Total Respondents: 70** 

#### **2019 Illinois Health IT Survey Report**

Does your organization have a process to receive notifications when your patients experience inpatient and/or emergency room admissions, discharges, and transfers (ADT)?

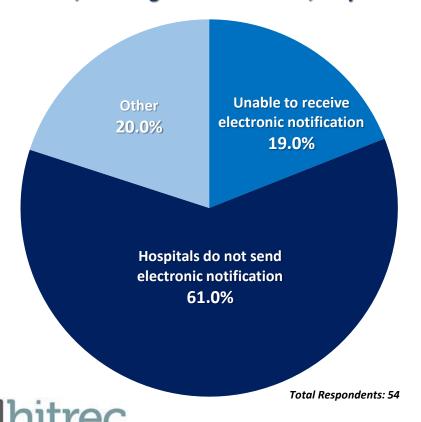


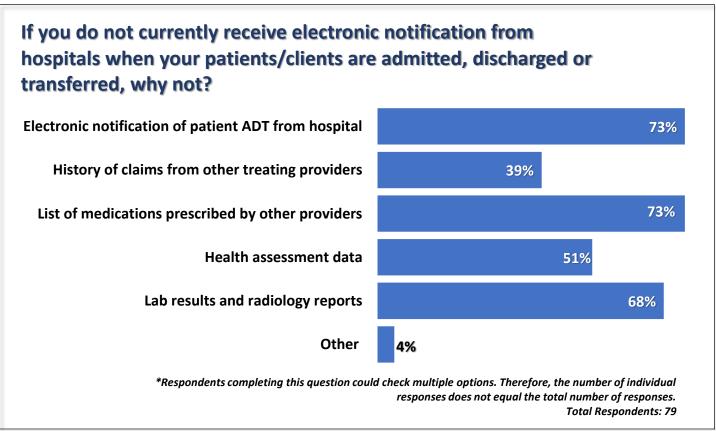
#### Respondents indicated receiving ADTs from the following hospitals

- Advocate Condell Medical Center
- Condell, Lurie Children's, Lake Forest
- HSHS, BJC, Anderson hospital (This is spotty and is not very useful due to current EHR bugs)
- Jersey Community Hospital, BJC Alton Memorial
- Luries Children Hope Children Loyola University
- Mt. Sinai (HL7), St. Anthony (FTP)
- Mt. Sinai Hospital, St. Anthony
- OSF Heart of Mary Medical Center
- SIH
- Silver Cross Hospital
- St Francis Litchfield, St Johns/Memorial Springfield

**2019 Illinois Health IT Survey Report** 

If you do not currently receive electronic notification from hospitals when your patients/clients are admitted, discharged or transferred, why not?





**2019 Illinois Health IT Survey Report** 

What are the biggest challenges to getting data about your patients from outside your organization?

"Access, access, access."

"Always calling Specialists for consult notes to be corrected by EPIC 2020."

"Being able to sign in and then how to navigate through the system to get what you need."

"Care Everywhere is not used by all organizations."

"Confidentiality, cost."

"Data format not the same."

"Database search result errors (discrepancies in patient displayed name, or inconsistent last names, legal vs adopted, etc.)."

"Direct access electronically."





**2019 Illinois Health IT Survey Report** 

What are the biggest challenges to getting data about your patients from outside your organization?

"Having different EHR Systems /EHRs do not interact well with each other/Inability to communicate with other EHR's currently used by others."

"Hospitals don't synchronize with our EHR leading to inefficient medical record keeping."

"If patient does not list us as PCP, we cannot get the data."

"Individual providers do not utilize direct message for referring patients into their care."

"Integration and resources assigned to connecting these systems. Establishing a clinical interface takes a lot of back and forth and not all hospitals/orgs have the resources to do it in a timely manner."

"Internal resources to assign follow up in getting data."





**2019 Illinois Health IT Survey Report** 

What are the biggest challenges to getting data about your patients from outside your organization?

"Knowing they went to providers, having the information in a timely fashion, only rarely due to intransigence of clinic/hospital staff."

"Lack of out of service area, especially out of state collaboration."

"No centralized hub or HIE, significant effort and resources to set up individual interfaces with individual hospitals."

"Not having a uniform structure in obtaining these reports. The lack of a one-stop-shop of participants attributed to us and see all activity associated to those participants so internally we set forth an action plan. Such as working with care coordinators, etc.."

"Of the five major hospitals, none have been willing to send SOC/TOC electronically. The consider faxing as electronic transmission."





**2019 Illinois Health IT Survey Report** 

What are the biggest challenges to getting data about your patients from outside your organization?

"One of our biggest challenges is getting data from other organizations who are not in an EHR system."

"Our biggest challenge is getting the referral. Once we finally do get the referral, sometimes critical information is missing, and we must track it down."

"The IT is all about making money for the EMR companies NOT taking care of the patient anymore."

"The organization are not sending the results to us and patient most of the time they do not go for their test like imaging, x-ray."

"We receive paper faxes from one of our local hospitals, which creates a daunting task having to manually data enter the information. The other hospital that does send electronic data sends incomplete reports, so we still have to request paper copies."



**2019 Illinois Health IT Survey Report** 

If you had access to an accurate directory of Direct, secure electronic message addresses, would you use it frequently to send or receive data from other providers? Why or why not??

Of the 56 responses, nearly all said they would use the addresses if they had access. Several had caveats and only two said they would not use it.

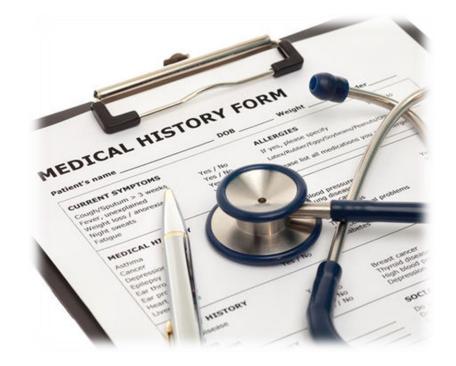
"Absolutely-it benefits us and patient especially with referrals and follow up."

"I would but I would appreciate better use of these direct messages such as being able to import the labs and radiology reports contained within."

"No we are consultants in SNIFS so receive info from Social Work staff for their residents."

"No. Prefer phone contact or letters."

"Only if the tool was intuitive and integrated directly into our EMR system. It would not be helpful if we need to log into a separate site."





**2019 Illinois Health IT Survey Report** 

If you had access to an accurate directory of Direct, secure electronic message addresses, would you use it frequently to send or receive data from other providers? Why or why not??

"Possibly... depends on how cumbersome it would be to use."

"Possibly... Sending data is manual process of creating pdf, saving as, and attaching to email."

"Use daily as needed, providers easy to contact this way."

"We do have access to direct messaging, not sure if it is an accurate directory, but we are so small the doctor has never learned or been interested in doing it."

"We do have access... we just have not had time to set up and monitor."

"We would use it if we could import the data into our EHR."

"Yes... more efficient way of engaging patients and keeping them healthy."





**2019 Illinois Health IT Survey Report** 

If you had access to an accurate directory of Direct, secure electronic message addresses, would you use it frequently to send or receive data from other providers? Why or why not??

"Yes... to increase continuity of patient care, timely follow-up."

"Yes, because it is fast and easy to follow up the patient and benefit the patient."

"Yes, because it would greatly help know what a patient has been treated for."

"Yes electronic documentation returned after a visit with a provider outside our organization would be very beneficial, we have a very hard time receiving follow up with outside providers."

"Yes, if available through our EHR system as direct electronic information."

"Yes, if it were free or cost-effective. Being a small agency, we cannot afford to participate in some of the date sharing capabilities that currently exist."





**2019 Illinois Health IT Survey Report** 

If you had access to an accurate directory of Direct, secure electronic message addresses, would you use it frequently to send or receive data from other providers? Why or why not??

"Yes, one of the biggest challenges is obtaining the providers secure electronic addresses."

"Yes, though interfacing is preferable to direct messaging as it's easier to integrate directly into the patient's chart."

"Yes, we are being measured and held accountable for the care of those members and having the tools will help tremendously."

"Yes. When we have asked outside providers, they all state they have no idea what a direct messaging email is or flat out don't answer the question."

"Yes. It would reduce the amount of time needed to contact the provider via fax of phone to receive orders."

"Yes. We need to be able to send PHI information and we do not have a way to do that now."





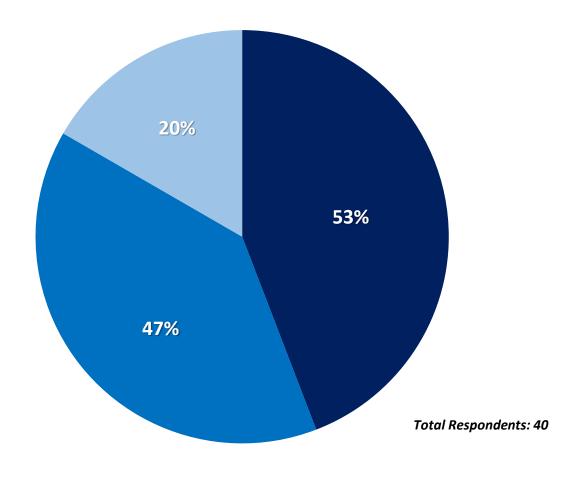
**2019 Illinois Health IT Survey Report** 

Does your organization use additional health IT solutions to support your patients/clients care?



- Population health management technology solution
- Business Intelligence/Dashboards/Analytics tools
- Other





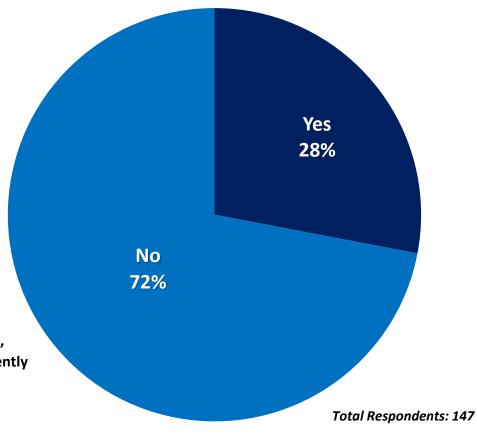
**2019 Illinois Health IT Survey Report** 

Is your organization participating in a Regional Health Information Exchange (HIE)?



Around 28% of respondents currently report participation in a Regional Health Information Exchange, slightly less than reported in 2018, but a continuing trend downward. 35% of organizations not currently connected to an HIE have plans to connect to one in the future, down from 39% in 2018.





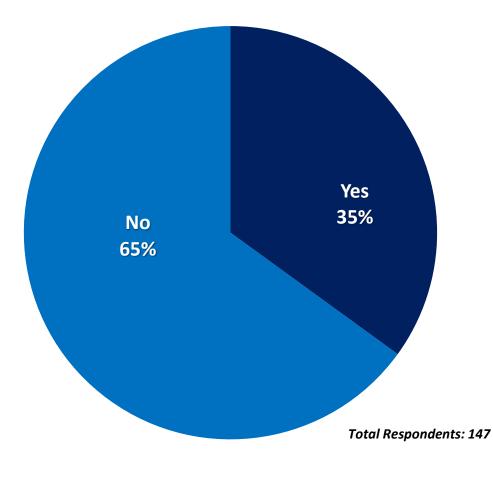
**2019 Illinois Health IT Survey Report** 

Does your organization have plans to connect to a Regional HIE?



Most of the organizations that are not planning to connect to an HIE, do not have plans to connect because there are no HIEs available with the closing of CIHIE in early 2019.

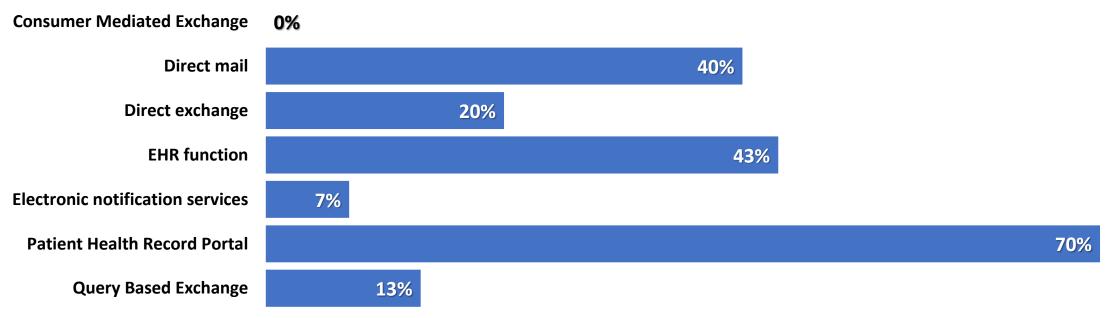




#### **2019 Illinois Health IT Survey Report**

#### Which Regional HIE does your organization connect to?

With the closure of the Metro Chicago Health Information Exchange in 2017 and Communities of Illinois Health Information Exchange in 2019, Illinois currently has no regional or state HIE options. Those indicating they are connected to an HIE are using EHR specific functionality. Several respondents indicated using Commonwell and Care Equality. Many seemed unsure of the HIE being used, if any.



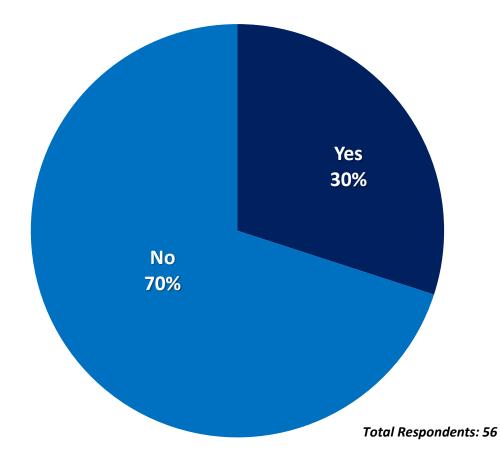


**Total Respondents: 30** 

**2019 Illinois Health IT Survey Report** 

Does your organization have questions with respect to understanding patient privacy and confidentiality requirements and health information exchange?

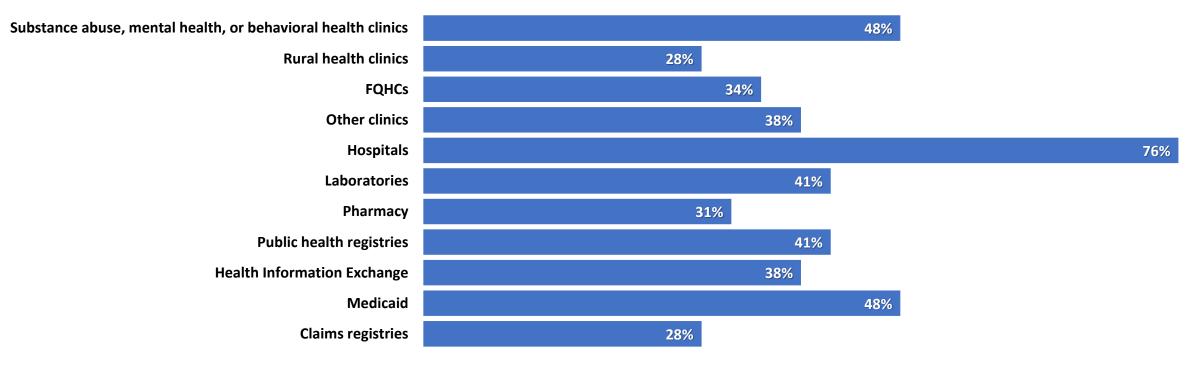


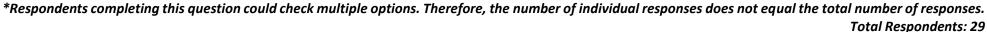




#### **2019 Illinois Health IT Survey Report**

Among those that are currently not sharing data with your organization, which would your organization like to share data with or receive data from to be more effective?

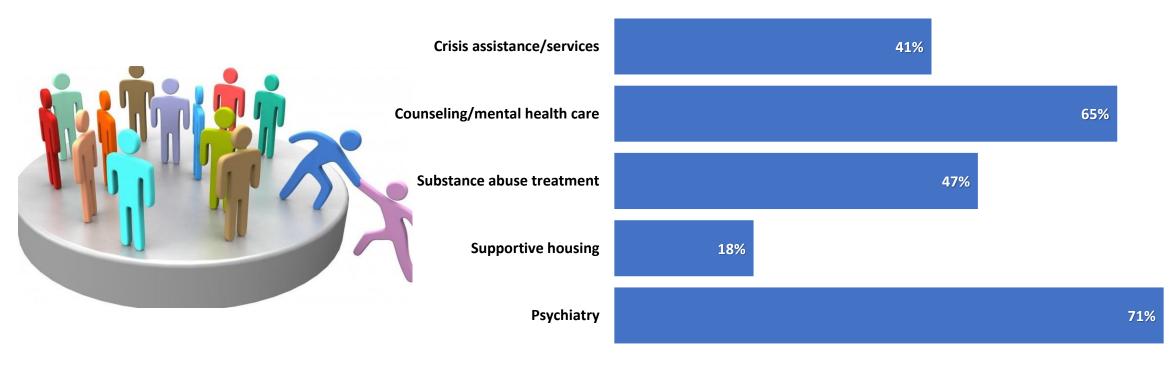






**2019 Illinois Health IT Survey Report** 

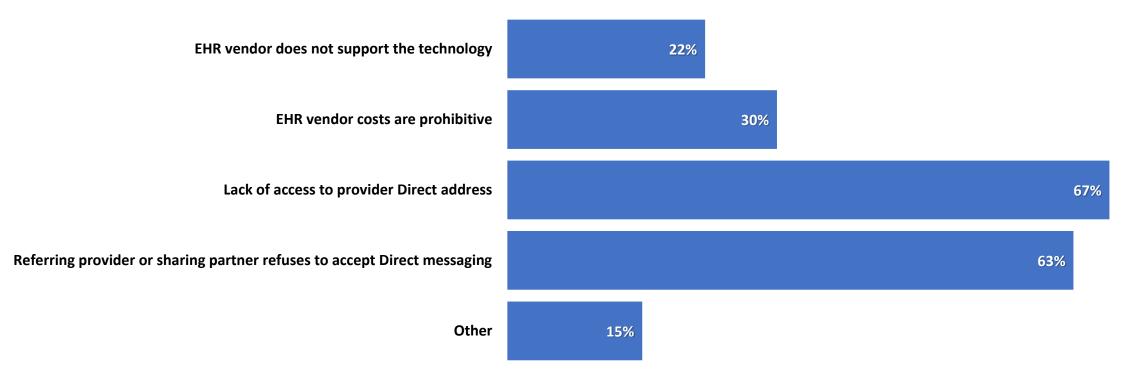
Does your organization have electronic processes in place to make referrals to these social services for your patients as needed?

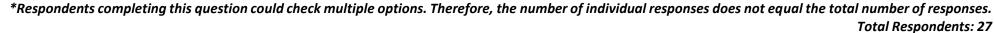




**2019 Illinois Health IT Survey Report** 

Has your practice experienced any of the following barriers to health information exchange?







#### **2019 Illinois Health IT Survey Report**

What use cases have value-add to your organization that you would like the State to prioritize?

"Access to hospital records for discharge for real-time."

"Exchanging referral documentation electronically using direct messaging to reduce faxing."

"National Direct Addresses associated to NPIs. PMP at National level - too many individual connects increase cost and decrease effectiveness as well as decrease efficiency and use percentage."

"Require Epic customers to map lab/testing results to LOINC properly. Help safety net and FQHC providers to obtain Direct Secure."

"Requiring facilities and Providers to use Direct Secure messaging for follow up patient care information."

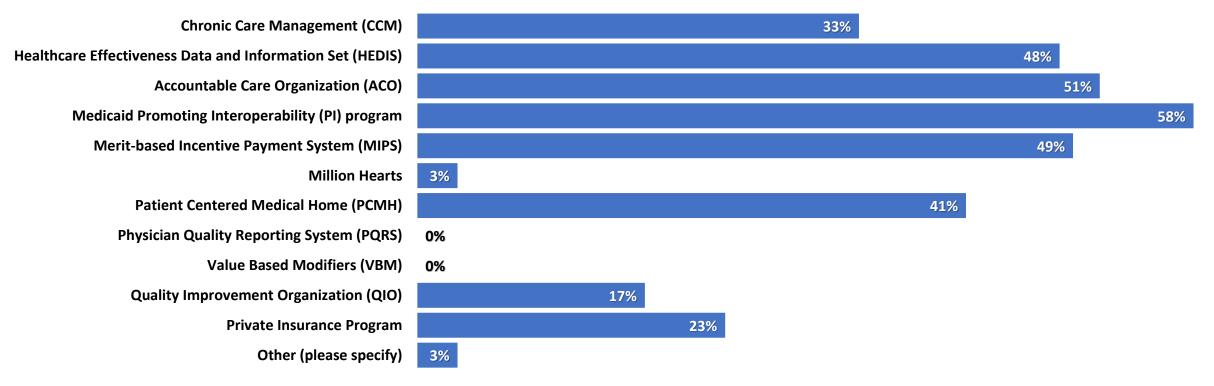
"We would like the State Data Warehouse to be able to participate in an information project for sickle cell disease tracking across the state by drawing upon hospitals, insurance claims, pharmacy records, vital statistics, and newborn screening."

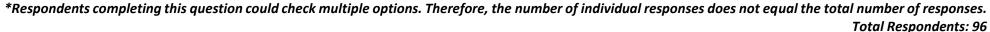




#### **2019 Illinois Health IT Survey Report**

Does your organization participate in any of the following quality improvement programs?







#### **Further Information**

#### Contact

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