**NOTICE** - Public reporting burden of this collection of information is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to: CDC/ATSDR Information Collection Review Office; 1600 Clifton Road, MS D-74, Atlanta, GA 30333, ATTN: PRA (0920-1015).

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The Federal Cybersecurity Enhancement Act of 2015 allows software programs to scan information that is sent, stored on, or processed by government networks in order to protect the networks from hacking, denial of service attacks, and other security threats. If any information is suspicious, it may be reviewed for specific threats by computer network experts working for the government (or contractors or agents who have governmental authority to do so). Only information directly related to government network security is monitored. The Act further specifies that such information may only be used for the purpose of protecting information and information systems from cybersecurity risks.

### National Electronic Health Records Survey 2018

The National Electronic Health Records Survey is affiliated with the National Ambulatory Medical Care Survey (NAMCS). The purpose of the survey is to collect information about the adoption of electronic health records (EHRs) in ambulatory care settings. Your participation is greatly appreciated. Your answers are completely confidential. Participation in this survey is voluntary. If you have questions or comments about this survey, please call xxx-xxxx.

1.	We have your specialty as:	4.		ou see ambulatory patients in any	of the		
· ·	Is that correct?	<b>–</b>		ving settings? CHECK ALL THAT			
			4 🗆				
	□1 Yes		1□	Private solo or group practice	)		
	$\Box_2$ No $\longrightarrow$ What is your specialty?		2□	Freestanding clinic or Urgent Care Center			
			3□	Community Health Center (e.g., Federally Qualified Health Center			
	This survey asks about <b>ambulatory care</b> , that is, care for patients receiving health services without admission			[FQHC], federally funded clinics or "look-alike" clinics)			
2.	to a hospital or other facility.		4□	Mental health center	If you see patients in		
Ζ.	Do you directly care for any ambulatory patients in your work?		5□	Non-federal government clinic (e.g., state, county, city, maternal and child health, etc.)	any of these settings,		
	□ 2 No Please stop here and return the guestionnaire in the		6□	Family planning clinic (including Planned Parenthood)	go to Question 5		
	□3 I am no longer in practice		7□	Health maintenance organization, health system or other prepaid practice (e.g., Kaiser Permanente)			
We	The next question asks about a <u>normal week</u> . define a normal week as a week with a normal caseload, with no holidays, vacations, or conferences.	'n	8□	Faculty practice plan (an organized group of physicians that treats patients referred to an academic	)		
3.	Overall, at how many office locations (excluding			medical center)			
	hospital emergency or hospital outpatient departments) do you see ambulatory patients in a normal week?		9□	Hospital emergency or hospital outpatient departments	lf you select <u>only</u> 9 or 10,		
	Locations		10□	None of the above	go to Question 50		
5.	5. At which of the settings (1-8) in <u>question 4</u> do you see the most ambulatory patients? WRITE THE NUMBER LOCATED NEXT TO THE BOX YOU CHECKED. (For the rest of the survey, we will refer to this as the "reporting location.")						
	For the remaining questions, please answer regard	ding	the rep	orting location indicated in ques	tion 5		

even if it is not the location where this survey was sent.

6.	6. What are the county, state, zip code, and telephone number of the <u>reporting location</u> ?						
	Country USA		Cou	nty	State		
	Zip Code		Tele	phone			
7.	How many physicians, includi <u>practice</u> (including physicians and physicians at any other lo	at the re	porting	location,	14. What percent of your patients are insured by Medicaid?%		
	□1 1 physician □4 11-50	) physician	IS		15. Do you treat patients insured by Medicare?		
	□2 2-3 physicians □5 51-10	00 physicia	ins				
	□3 4-10 physicians □6 More	than 100 j	physician	IS	□1 Yes □2 No □3 Don't know		
	How many physicians, includi reporting location? How many mid-level providers physician assistants, and nurs	s (i.e., nui	rse prac ves) are	ctitioners,	<ul> <li>16. Who owns the reporting location? CHECK ONE.</li> <li>1 Physician or physician group</li> <li>2 Insurance company, health plan, or HMO</li> <li>3 Community health center</li> </ul>		
10.	Associated with the reporting Mid-level providers Is the reporting location a sing			cialty	<ul> <li>4 Medical/academic health center</li> <li>5 Other hospital</li> <li>6 Other health care corporation</li> <li>7 Other</li> </ul>		
	(group) practice?	•;	-	-	17. Do you or your reporting location currently participate in any of the following activities or		
		u			programs? Check all that apply.		
11.	At the reporting location, are y new patients?		-		<ul> <li>1 Patient Centered Medical Home (PCMH)</li> <li>2 Accountable Care Organization (ACO) arrangement with public or private insurers</li> <li>3 Pay-for-Performance arrangement (P4P)</li> </ul>		
12.	If yes, from those new patients types of payment do you acce		of the fo	ollowing	□4 Medicaid EHR Incentive Program (e.g., Meaningful Use Program)		
		Yes	No	Don't Know	18. Do you participate or plan to participate in the		
1.	Private insurance	□1	□2	□3	following Medicare programs? Check all that apply. Merit-Based Incentive Payment System will adjust payment		
2.	Medicare	□1	□2	□3	based on performance. Advanced Alternative Payment Models are new approaches to paying for medical care that incentivize		
3.	Medicaid/CHIP	□1	□2	□3	quality and value.		
4.	Workers' compensation	□1	□2	□3	□1 Merit-Based Incentive Payment System		
5.	Self-pay	□1	□2	□3	□ 2 Advanced Alternative Payment Model		
6.	No charge	□1	□2	□3	$\Box$ 3 Not applicable		
13.	Is this medical organization af Independent Practice Associa Hospital Organization (PHO)?	filiated w tion (IPA) n't know	vith an ) or Phy	rsician	<ul> <li>19. Does the reporting location <u>use</u> an EHR system? Do not include billing record systems.</li> <li> 1 Yes 2 No (Skip to 23) 3 Don't know (Skip to 23) </li> </ul>		

# 20. What is the name of your primary EHR system? CHECK ONLY ONE BOX. IF OTHER IS CHECKED, PLEASE SPECIFY THE NAME. □1 Allscripts □6 e-MDs □11 Practice Fusion

21. Overall, how satisfied or dissatisf	ied are you with your FHR system?	
□5 eClinical Works	□10 NextGen	14 Unknown
□4 Cerner	Modernizing Medicine	
□3 athenahealth	□8 GE/Centricity	Greenway
2 Amazing Charts	□7 Epic	□12 Sage/Vitera/

1. Overall, now satisfied of us	ssalished are you with your Er	ik system?
□1 Very satisfied	$\Box$ 2 Somewhat satisfied	$\Box$ 3 Neither satisfied nor dissatisfied
$\Box$ 4 Somewhat dissatisfied	$\Box$ 5 Very dissatisfied	$\Box$ 6 Not applicable

### 22. Does your EHR system meet meaningful use criteria (certified EHR) as defined by the Department of Health and Human Services?

□1 Yes

□2 No

□3 Don't know

	23. Does the reporting location use a computerized system to (CHECK NO MORE THAN ONE BOX PER ROW):			
RECORDING INFORMATION	Record social determinants of health (e.g., employment, education)?	□1	□2	□3
	Record behavioral determinants of health (e.g., tobacco use, physical activity, alcohol use)?	□1	□2	□3
	Order prescriptions?		□2	□3
	Are prescriptions sent electronically to the pharmacy?	□1	□2	□3
	Are warnings of drug interactions or contraindications provided?	□1	□2	□3
SAFETY	Order lab tests?	□1	□2	□3
	Order radiology tests?	□1	□2	□3
	Provide reminders for guideline-based interventions or screening tests?	□1	□2	□3
PATIENT	Create educational resources tailored to the patients' specific conditions?	□1	□2	□3
ENGAGEMENT	Exchange secure messages with patients?	□1	□2	□3
	Generate lists of patients with particular health conditions?	□1	□2	□3
POPULATION MANAGEMENT	Create reports on clinical care measures for patients with specific chronic conditions (e.g., HbA1c for diabetics)?	□1	□2	□3
	Create shared care plans that are available across the clinical care team?	□1	□2	□3
QUALITY MEASUREMENT	Send clinical quality measures to public and private insurers (e.g., blood pressure control, HbA1c, smoking status)?	□1	□2	□3

#### 24. How frequently do you use template-based notes in your EHR system?

Template-based notes are generated through forms or pre-filled text in an EHR rather than free text alone.

- □1 Often (Go to 24a) □2 Sometimes (Go to 24a)
- □3 Rarely (Go to 24a)

□4 Never (Skip to 25)

□5 Don't know (Skip to 25) □6 Not Applicable (Skip to 25)

#### 24a. To what extent do you customize your templates?

□1 A great extent □2 Somewhat □3 Very little or not at all □4 Don't know

#### 24b. How easy or difficult is it to locate information in template-based notes?

□1 Very easy □2 Somewhat easy □3 Somewhat difficult □4 Very difficult

#### 24c. How easy or difficult is it to locate information in free-text notes?

□1 Very easy □2 Somewhat easy □3 Somewhat difficult □4 Very difficult

#### Patient Engagement

### 25. Does your practice use telemedicine technology (e.g., audio with video, web videoconference) for patient visits?

□1 Yes □2 No □3 Don't know

26. Does your EHR system allow patients to	Yes	No	Don't Know
View their online medical record?	□1	□2	□3
Download their online medical record to their personal files?	□1	□2	□3
Send their online medical record to a third party (e.g., another provider, personal health record)?	□1	□2	□3
Upload their health information from devices or apps (e.g., blood glucose meter, Fitbit, questionnaires)?	□1	□2	□3

#### Prescribing Controlled Substances

27. How	frequently d	lo you pres	cribe contro	lled substances?		
□1 <b>C</b>	Often □2	Sometimes	□3 Rarely	$\Box$ 4 Never (Skip to 30)	□4 Don't know (Skip	to 30)
28. How	frequently a	re prescrip	tions for co	ntrolled substances	ent electronically to the	ne pharmacy?
□1 C	Often	□2 Some	etimes	□3 Rarely or Never	□4 Don't kn	ow
prior	to prescrib	ing a contr	olled substa	nce to a patient for th	ne first time?	onitoring program (PDMP)
□1 C	Often (Go to 29	a) □2 Sor	metimes (Go to	29a) □3 Rarely (Go to	29a) □4 Never (Skip to 30	)) $\Box$ 5 Don't know (Skip to 30)
29a.	How do you	ı or your de	esignated sta	aff check your state's	PDMP?	
	□1 Use EHR	system	□2 Use syste	m outside of EHR (e.g., I	PDMP portal or secure web	osite)
29b.	How easy o	r difficult is	s it to use yo	our state's PDMP to fi	nd your patient's infor	mation?
	□1 Very eas	y □2 Some	ewhat easy	□3 Somewhat difficul	□4 Very difficult	□5 Don't Know
29c.		•••			ed staff typically requ stance for the first tim	est to view PDMP data e?
	□1 Yes		□2 No	□3	Don't Know	
29d.	Have you do	one any of	the following	as a result of using	the PDMP? Check all t	hat apply.
	□1 Reduced	d or eliminate	ed controlled su	bstance prescriptions for	a patient	
		ogic therapy		criptions to non-opiod ph physical therapy or CBT)		or acetaminophen) or non-
					psychiatric or pain manage	ement)
		•	use of prescrip ess of treatmer	otions (e.g., engage in do nt	ctor snopping)	
	□7 Assess	pain and fuct	ion of patient (e	e.g., PEG)		
		•		I in PDMP report		
		and/or coord	inate with other	r members of the care tea	am	

#### **Electronic Exchange of Patient Health Information**

- 30. Do you ONLY send <u>and</u> receive patient health information through paper-based methods including fax, eFax, or mail?
  - $\Box$ 1 Yes (Skip to 37)

□2 No (Go to 31)

□3 Don't know (Go to 31)

- 31. Do you electronically <u>send</u> patient health information to other providers outside your medical organization using an EHR (not eFax) or a Web Portal (separate from EHR)?
  - □1 Yes (Go to 32)

 $\Box$ 2 No (Skip to 33)

 $\Box$  3 Don't know (Skip to 33)

<b>32.</b> Do you <u>send</u> patient health information to any of the following providers electronically? Electronically does not include scanned or pdf documents, fax, or eFax.	Yes	No	Don't Know	Not Applicable
Ambulatory care providers outside your organization	□1	□2	□3	□4
Hospitals unaffiliated with your organization	□1	□2	□3	□4
Behavioral Health providers	□1	□2	□3	□4
Long-term care providers	□1	□2	□3	□4

### 33. Do you electronically <u>receive</u> patient health information from other providers outside your medical organization using an EHR system (not eFax) or a Web Portal (separate from EHR)?

□1 Yes (Go to 34) □2 No (Skip to 35) □3 Don't know (Skip to 35)

<b>34.</b> Do you <u>receive</u> patient health information from the following providers electronically? Electronically does not include scanned or pdf documents, fax, or eFax.	Yes	No	Don't Know	Not Applicable
Ambulatory care providers outside your organization	□1	□2	□3	□4
Hospitals unaffiliated with your organization	□1	□2	□3	□4
Behavioral Health providers	□1	□2	□3	□4
Long-term care providers	□1	□2	□3	□4

### **35.** Does your reporting location electronically send or receive patient health information with public health agencies? *Public health agencies can include the CDC, state or local public health authorities.*

□1 Yes (Go to 35a) □2 No (Skip to 36) □3 Don't Know (Skip to 36) □4 Not applicable (Skip to 36)

#### 35a. What types of information do you electronically send or receive? Check all that apply.

□1 Syndromic surveillance data

 $\Box$ 2 Case reporting of reportable conditions

 $\Box$ 3 Immunization data

□4 Public health registry data (e.g., cancer)

36. For providers outside of your medical organization, do you regularly electronically <u>send and receive, send</u> <u>only</u> , or <u>receive only</u> the following types of patient health information?	Both Send and Receive Electronically	Send Electronically Only	Receive Electronically Only	Do not Send or Receive Electronically
Progress/Consultation notes	□1	□2	□3	□4
Clinical registry data	□1	□2	□3	□4
Emergency Department notifications	N/A	N/A	□3	□4
Summary of care records for transitions of care or referrals	□1	□2	□3	□4

**37.** When seeing a new patient or a patient who has previously seen another provider, do you electronically search or query for your patient's health information from sources outside of your medical organization? *This could include via remote or view only access to other facilities' EHR or health information exchange organization.* 

□1 Yes (Go to 37a)

 $\Box$  2 No (Skip to 38)

 $\Box$  3 Don't know (Skip to 38)

37a. Do you electronically search for the following patient health information from sources outside your medical organization?	Yes	No	Don't Know
Progress/Consultation notes	□1	□2	□3
Vaccination/Immunization history	□1	□2	□3
Summary of care record	□1	□2	□3

38. Does your EHR system integrate any type of patient health information received electronically (not e-fax) without special effort like manual entry or scanning?

□1 Yes (Go to 38a) □2 No (Skip to 39) □3 Don't know (Skip to 39) □4 Not applicable (Skip to 39)

38a. Does your EHR system integrate summary of care records received electronically (not e-fax) without special effort like manual entry or scanning?

□1 Yes □2 No □3 Don't know □4 Not applicable

<b>39.</b> Do you reconcile the following types of clinical information electronically received from providers outside of your medical organization? Reconciling involves comparing a patient's information from another provider with your practice's clinical information.	Yes	Νο	Don't Know	Not Applicable
Medication lists	□1	□2	□3	□4
Medication allergy lists	□1	□2	□3	□4
Problem lists	□1	□2	□3	□4

#### Availability and use of Electronic Health Information

40. When treating patients seen by providers outside your medical organization, how often do you or your staff have clinical information from those outside encounters electronically available at the point of care? *Electronically available does not include scanned or PDF documents.* 

□1 Often □2 Sometimes □3 Rarely □4 Never □5 Don't Know

 $\Box 6$  I do not see patients outside my medical organization

41. How frequently do you <u>use</u> patient health information electronically (not eFax) received from providers or sources outside your organization when treating a patient?

□1 Often (Skip to 41) □2 Sometimes (Skip to 41) □3 Rarely (Go to 40a) □4 Never (Go to 40a) □5 Don't know (Skip to 41)

#### 41a. If rarely or never used, please indicate the reason(s) why. Check all that apply.

- □1 Information not always available when needed (e.g., not timely, missing)
- □2 Do not trust accuracy of information
- □3 Difficult to integrate information in EHR
- □4 Information not available to view in EHR as part of clinicians' workflow
- □5 Information not useful (e.g., redundant or unnecessary information)
- □6 Difficult to find necessary information

#### Benefits and Barriers to Exchange of Electronic Health Information

Information exchange refers to electronically sending, receiving, finding or integrating patient health information.

#### 42. Please indicate your level of agreement with each of the following statements.

Electronically exchanging clinical information with other providers outside my medical organization	Strongly Agree	Somewhat Agree	Somewhat Disagree	Strongly Disagree	Not Applicable
"improves my practice's quality of care."	□1	□2	□3	□4	□5
"increases my practice's efficiency."	□1	□2	□3	□4	□5
"prevents medication errors."	□1	□2	□3	□4	□5
"enhances care coordination."	□1	□2	□3	□4	□5
"reduces duplicate test ordering."	□1	□2	□3	□4	□5

### 43. Please indicate whether these issues are barriers to electronic information exchange <u>with providers outside</u> <u>your medical organization</u>.

	Yes	No	Don't know	Not Applicable
Providers in our referral network lack the capability to electronically exchange (e.g., no EHR system or HIE connection).	□1	□2	□3	□4
We have limited or no IT staff.	□1	□2	□3	□4
Electronic exchange involves incurring additional costs.	□1	□2	□3	□4
Electronic exchange involves using multiple systems or portals.	□1	□2	□3	□4
Electronic exchange with providers using a different EHR vendor is challenging.	□1	□2	□3	□4
The information that is electronically exchanged is not useful.	□1	□2	□3	□4
It is difficult to locate the electronic address of providers.	□1	□2	□3	□4
My practice may lose patients to other providers if we exchange information.	□1	□2	□3	□4

#### Documentation and Burden Associated with Medical Record Systems

For the next questions, medical record system includes paper-based and EHR systems.

### 44. On average, how many hours per day do you spend outside of normal office hours documenting clinical care in your medical record system?

□1 None □2 Less than 1 hour □3 1 to 2 hours □4 Greater than 2 hours to 4 hours □5 More than 4 hours

## 45. Do you have staff support (e.g., scribe) to assist you with documenting clinical care in your medical record system?

□1 Yes □2 No

#### 46. How easy or difficult is it to document clinical care using your medical record system?

□1 Very easy □2 Somewhat easy □3 Somewhat difficult □4 Very difficult □5 Not applicable

### 47. Please indicate whether you agree or disagree with the following statements about using your medical record system.

	Strongly Agree	Somewhat Agree	Somewhat Disagree	Strongly Disagree	Not Applicable
The amount of time I spend documenting clinical care is appropriate.	□1	□2	□3	□4	□5
The amount of time I spend documenting clinical care does not reduce the time I spend with patients.	□1	□2	□3	□4	□5
Additional documentation required solely for billing but not clinical purposes increases the overall amount of time I spend documenting clinical care.	□1	□2	□3	□4	□5

#### 48. Clinical care documentation requirements for private insurers generally align with Medicare requirements.

□ 1 Strongly agree □ 2 Somewhat agree □ 3 Somewhat disagree □ 4 Strongly disagree □ 5 Not applicable

49. What is a reliable E-mail address for the physician	n to whom this survey was mailed?
<ul> <li>50. Who completed this survey? (Check all that apply)</li> <li>□1 The physician to whom it was addressed</li> <li>□2 0</li> </ul>	Office staff
Thank you for your participation. Please return your survey envelope provided. If you have misplaced the envelope, ple the survey to:	