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).

Assurance of Confidentiality - We take your privacy very seriously. All information that relates to or describes identifiable characteristics of individuals, a practice, or an establishment will be used only for statistical purposes. NCHS staff, contractors, and agents will not disclose or release responses in identifiable form without the consent of the individual or establishment in accordance with section 308(d) of the Public Health Service Act (42 U.S.C. 242m(d)) and the Confidential Information Protection and Statistical Efficiency Act of 2002 (CIPSEA, Title 5 of Public Law 107-347). In accordance with CIPSEA, every NCHS employee, contractor, and agent has taken an oath and is subject to a jail term of up to five years, a fine of up to \$250,000, or both if he or she willfully discloses ANY identifiable information about you. In addition, NCHS complex with the Federal Cybersecurity Enhancement Act of 2015 (6 U.S.C. §§ 151 & 151 note). This law requires the federal government to protect federal computer networks by using computer security programs to identify cybersecurity risks like hacking, internet attacks, and other security weaknesses. If information sent through government networks triggers a cyber threat indicator, the information may be intercepted and reviewed for cyber threats by computer network experts working for, or on behalf of, the government.

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 2019

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 and use of electronic health records (EHRs) and electronic exchange of health information in ambulatory care settings. Your participation is greatly appreciated. Your answers are completely confidential. Participation in this survey is voluntary. There are no penalties for nonparticipation. If you have questions or comments about this survey, please call xxx-xxxx.

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

	For the remaining questions, please answer regarding the reporting location indicated in Question 5 even if it is not the location where this survey was sent.								
6.	What are the county, sta	te, zip co	de, and	telephone	e number of the <u>reporting location</u> ?				
	Country USA	Co	ounty		State				
	Zip Code	Те	lephone						
7.	How many physicians, ir practice (including physicians) location, and physicians	icians at	the repo	rting	14. What percent of your patients are insured by Medicaid?%				
	the practice)?				15. Do you treat patients insured by Medicare?				
	\Box 1 1 physician \Box 4	l 11-50 ph	iysicians		□1 Yes □2 No □3 Don't know				
	□2 2-3 physicians □5	5 51-100 p	hysicians		16. Who owns the reporting location? CHECK ONE.				
	\Box 3 4-10 physicians \Box 6	6 More tha	in 100 phy	sicians	□1 Physician or physician group				
8.	How many physicians, ir reporting location?	ncluding	you, wor	k at the	 □2 Insurance company, health plan, or HMO □3 Community health center □4 Medical/academic health center 				
9.	How many mid-level prop practitioners, physician a midwives) are associated location?	assistant	s, and n	urse	 □5 Other hospital □6 Other health care corporation □7 Other 				
	Mid-level provid	ers			17. Do you or your reporting location currently				
10.	Is the reporting location specialty (group) practic		or multi	-	participate in any of the following activities or programs? CHECK ALL THAT APPLY.				
	□1 Single □2 Multi	0.			□1 Patient Centered Medical Home (PCMH)				
11	At the reporting location		ourront	.,	□2 Accountable Care Organization (ACO) arrangement				
	accepting new patients?		currenti	У	with public or private insurers				
	□1 Yes □2 No (Skip to 13) □3 Do	n't know (S	Skip to 13)	□4 Medicaid EHR Incentive Program (e.g., Meaningful Use				
12.	If yes, which of the follow you accept from those n			ment do	also called Promoting Interoperability Program) 18. Do you participate or plan to participate in the				
	,	Yes	No	Don't Know	following Medicare programs? CHECK ALL THAT APPLY.				
1	Private insurance	□1	□2	□3	Merit-Based Incentive Payment System will adjust payment based on performance. Advanced Alternative Payment				
	Medicare		□2		Models are new approaches to paying for medical care that incentivize quality and value.				
3.	Medicaid/CHIP	□1	□2	□3	□1 Merit-Based Incentive Payment System				
4.	Workers' compensation	□1	□2	□3	□2 Advanced Alternative Payment Model				
5.	Self-pay	□1	□2	□3	□3 Not applicable □4 Don't know				
6.	No charge	□1	□2	□3	19. Does the reporting location <u>use</u> an EHR system?				
13.	Is this medical organizat Independent Practice As Physician Hospital Orga	sociatio	n (IPA) oi		Do not include billing record systems. □1 Yes □2 No (Skip to 24) □3 Don't know (Skip to 24)				
	□1 Yes □2 No	□3	Don't knov	W					

20. What is the name of the second se		• •	K ONLY ONE BOX. IF OTHEF	R IS CH	ECKED,			
 ☐1 Allscripts ☐2 Amazing Cha ☐3 athenahealth ☐4 Cerner ☐5 eClinical Wor 		 6 e-MDs 7 Epic 8 GE/Centricity 9 Modernizing Medicine 10 NextGen 	 ☐11 Practice Fusion ☐12 Sage/Vitera/Greenway ☐13 Other, specify: ☐14 Unknown 					
21. Overall, how sa	atisfied or dis	satisfied are you with your	· EHR system?					
☐1 Very satisfied □4 Somewhat di		 □2 Somewhat satisfied □5 Very dissatisfied 	\Box 3 Neither satisfied nor dissati \Box 6 Not applicable	sfied				
		et meaningful use criteria, a nt of Health and Human Se	also called promoting interop rvices?	erability	y (certifie	ed EHR),		
□1 Yes		□2 No	□3 Don't know					
	•	template-based notes in yo nerated through forms or pre	•	n free te	ext alone.			
□5 Don't know (S	Skip to 24)	\Box 6 Not applicable (Skip to 24)	□3 Rarely (Go to 23a) ates?	□4 №	Never (Ski	p to 24)		
□1 A	great extent	□2 Somewhat	\Box 3 Very little or not at all	□4 [Don't knov	v		
23b. How	easy or diffic	ult is it to locate informatio	on in template-based notes?					
		□2 Somewhat easy ult is it to locate informatio	□3 Somewhat difficult on in free-text notes?	□4 \	/ery difficu	ult		
□1 Ve	ery easy	□2 Somewhat easy	□3 Somewhat difficult	□4 \	/ery difficu	ult		
			m to (CHECK NO MORE	Yes	No	Don't Know		
RECORDING	Record socia	al determinants of health (e.g., e	mployment, education)?	□1	□2	□3		
INFORMATION			g., tobacco use, physical activity,	□1	□2	□3		
	Order prescr	iptions?		□1	□2	□3		
	Are pres	criptions sent electronically to th	e pharmacy?	□1	□2	□3		
SAFETY	Are warr	ings of drug interactions or cont	traindications provided?	□1	□2	□3		
SAFETT	Order lab tes	sts?		□1	□2	□3		
	Image: Source of the second				□2	□3		
	Provide remi	nders for guideline-based interv	entions or screening tests?	□1	□2	□3		
PATIENT	Create educ	ational resources tailored to the	patients' specific conditions?	□1	□2	□3		
ENGAGEMENT	Exchange so	ocure messages with patients?						

	MANAGEMENT conditions (e.g., HbA1c for diabetics)? Create shared care plans that are available across the clinical care team? QUALITY Send clinical quality measures to public and private insurers (e.g., blood	□1	□2	□3
POPULATION MANAGEMENT		□1	□2	□3
	Create shared care plans that are available across the clinical care team?	□1	□2	□3
QUALITY MEASUREMENT		□1	□2	□3

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	v patients to			Yes	No	Don't Know	Not Applicable
	View their or	nline medical record?				□1	□2	□3	□4
	Download th	eir online medical rec	ord to their person	al files?		□1	□2	□3	□4
	Send their or health record		o a third party (e.g	., another provider, perso	onal	□1	□2	□3	□4
	Upload their Fitbit, questi		om devices or apps	s (e.g., blood glucose me	ter,	□1	□2	□3	□4
		ontrolled Substan							
27	. How freque	ently do you prese	cribe controlled	substances?					
	□1 Often □5 Don't kne	□2 Sor ow (Skip to 30)	netimes	□3 Rarely	□4 Ne	ever (Sk	ip to 30)	
28	. How freque	ently are prescrip	tions for control	led substances sent	electronica	ally to	the ph	armacy	?
	□1 Often	□2 Sor	netimes	□3 Rarely or Never	□4 Do	on't knov	N		
29				heck your state's pre ostance to a patient fo			nonitor	ing pro	gram
	□1 Often (G □5 Don't kne	o to 29a) □2 Sor ow (Skip to 30)	netimes (Go to 29a	a) □3 Rarely (Go to 29	9a) □4 Ne	ever (Sk	ip to 30)	
	29a. H	low do you or you	r designated sta	aff check your state's	S PDMP?				
		∃1 Use EHR system ∃3 Don't know	□2 Use system o	outside of EHR (e.g., PDN	MP portal or	secure	website)	
	29b. H	low easy or difficu	ult is it to use yo	our state's PDMP to fi	ind your pa	atient'	s infor	mation?	•
	C	∃1 Very easy	□2 Somewhat ea	asy	ult □4 Ve	ry diffic	ult	□5 Do	n't know
				, do you or designate escribing a controlle					w PDMP
	Γ	∃1 Yes	□2 No	□3 Don't know					
		 1 Reduced or elimir 2 Changed controller non-pharmacolog 3 Prescribed naloxo 4 Referred additiona 5 Confirmed patient 6 Confirmed approp 7 Assessed pain an 8 Consulted with oth 	hated controlled sub ad substance prese ic therapy (e.g., ex- ne al treatment (e.g., s s' misuse of preser riateness of treatm d function of patier mer prescribers liste	nt (e.g., PEG)	a patient armacologic r CBT). nt, psychiatri loctor shoppi	(e.g., N ic or pa	ISAIDS	or acetar	

Electronic Exchange of Patient Health Information

30. Do you ONLY send and receive patient health information through paper-based methods including fax, eFax, or mail?

 \Box 1 Yes (Skip to 37)

□3 Don't know (Go to 31)

31. Do you electronically send patient health information to other providers outside your medical organization using an EHR (not eFax) or a Web Portal (separate from EHR)?

 \Box 1 Yes (Go to 32) $\Box 2$ No (Skip to 33) □3 Don't know (Skip to 33)

 $\Box 2$ No (Go to 31)

32. 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 receive 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)	\Box 2 No (Skip to 35)	□3 Do	on't know (Ski	p to 35)		
providers		th information from the ectronically does not inc fax, or eFax.		Yes	Νο	Don't Know	Not Applicable
Ambulatory	care providers outsi	de your organization		□1	□2	□3	□4
Hospitals un	affiliated with your o	rganization		□1	□2	□3	□4
Behavioral h	ealth providers			□1	□2	□3	□4
Long-term ca	are 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.

 \Box 1 Yes (Go to 35a) \Box 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

□2 Case reporting of reportable conditions

□3 Immunization data

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

36. For providers outside your medical organization, do you regularly electronically <u>send and</u> <u>receive, send only</u> , or <u>receive</u> <u>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	Not Applicable
Progress/consultation notes	□1	□2	□3	□4	□5
Clinical registry data	□1	□2	□3	□4	□5
Emergency Department notifications	N/A	N/A	□3	□4	□5
Summary of care records for transitions of care or referrals	□1	□2	□3	□4	□5

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)

□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	Νο	Don't Know	Not Applicable
Progress/consultation notes	□1	□2	□3	□4
Vaccination/Immunization history	□1	□2	□3	□4
Summary of care record	□1	□2	□3	□4

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

□1 Yes □2 No	□3 Don't kno	W	□4 Not app	icable	
39. Do you reconcile the following types of clinical information electronically received from providers outside 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 42) □2 Sometimes (Skip to 42) □3 Rarely (Go to 41a) □4 Never (Go to 41a) □5 Don't know (Skip to 42)

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

- $\Box 4$ 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</u> <u>outside 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 health information exchange 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 <u>per day</u> do you spend <u>outside of normal office hours</u> documenting clinical care in your medical record system?
 - □1 None □2 Less than 1 hour □3 1 to 2 hours □4 More 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 phys	sician to whom	this survey wa	as mailed?		
50. Who completed this survey? (CHECK ALL TH	HAT APPLY) □2 Office st	staff □3 Other			
Thank you for your participation. Please return your survey in the envelope provided. If you have misplaced the envelope, please send the survey to:		Boxes for Admin Use			
RTI International Attn: Data Capture (0215517.005.000.001) 5265 Capital Boulevard Raleigh, NC 27690-1653					