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 complies 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 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-xxx-xxxx.

_		_					
1.	We have your specialty as:	4. Do you see ambulatory patients in any of the following settings? CHECK ALL THAT APPLY.					
	Is that correct?			g cogo.	/		
	□1 Yes		1□	Private solo or group practice	\		
	□2 No → What is your specialty?		2□	Freestanding clinic or Urgent Care Center			
			3□	Community Health Center (e.g.,			
	This survey asks about ambulatory care , that is, care for patients receiving health services without admission			Federally Qualified Health Center [FQHC], federally funded clinics or "look-alike" clinics)			
	to a hospital or other facility.		4□	Mental health center	If you see patients in		
2.	Do you directly care for any ambulatory patients in your work?		5□	Non-federal government clinic (e.g., state, county, city, maternal	any of these		
	□1 Yes ————— Go to Question 3			and child health, etc.)	settings, go to		
	□2 No Please stop here and return the questionnaire in the		6□	Family planning clinic (including Planned Parenthood)	Question 5		
	□3 I am no longer in practice envelope provided. Thank you for your time.		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> . /e define a normal week as a week with a normal caseload, with no holidays, vacations, or conferences.		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	If you select <u>only</u> 9 or 10,		
	Locations		10□	None of the above	go to Question 50		

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 regarding the <u>reporting location indicated in question 5</u> even if it is not the location where this survey was sent.

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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, includin practice (including physicians a and physicians at any other loc	at the re	porting	location,	14. What percent of your patients are insured by Medicaid?%					
	□1 1 physician □4 11-50	physician	ıs		15. Do you treat patients insured by Medicare?					
	☐2 2-3 physicians ☐5 51-100) physicia	ins		13. Do you treat patients insured by Medicare:					
	□3 4-10 physicians □6 More t	han 100 ¡	ohysician	S	□1 Yes □2 No □3 Don't know					
8.	How many physicians, includin reporting location?		vork at 1	the	16. Who owns the reporting location? CHECK ONE. □1 Physician or physician group					
9.	How many mid-level providers physician assistants, and nurse associated with the reporting lo	midwi	ves) are		□2 Insurance company, health plan, or HMO □3 Community health center □4 Medical/academic health center □5 Other hospital					
10	Mid-level providers	e- or mi	ılti-sner	rialty	☐6 Other health care corporation ☐7 Other					
10.	Is the reporting location a single- or multi-specialty (group) practice?				17. Do you or your reporting location currently participate in any of the following activities or					
	□1 Single □2 Multi				programs? Check all that apply.					
11.	At the reporting location, are you new patients?	ou curre	ently acc	epting	□1 Patient Centered Medical Home (PCMH)□2 Accountable Care Organization (ACO) arrangement with					
	□1 Yes □2 No (Skip to 13) □	l3 Don't k	now (Ski	p to 13)	public or private insurers					
	, , , , , , , , , , , , , , , , , , , ,		(-	,,	☐3 Pay-for-Performance arrangement (P4P)					
12.	If yes, from those new patients, types of payment do you accep		of the fo	llowing	☐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	☐3 Not applicable					
13. Is this medical organization affiliated with an Independent Practice Association (IPA) or Physician Hospital Organization (PHO)?					19. Does the reporting location <u>use</u> an EHR system? Do not include billing record systems.□1 Yes					
	□1 Yes □2 No □3 Don'	know			□2 No (Skip to 23) □3 Don't know (Skip to 23)					

20. What is the nam SPECIFY THE N	ie of your primary EHR system? CHECK ONLY AME.	ONE BOX. IF OTHER I	S CHEC	KED, PL	EASE	
☐1 Allscripts	Allscripts □6 e-MDs □11 Practice Fus					
☐2 Amazing Charts	□7 Еріс	□12 Sage/Vitera/				
\square 3 athenahealth	☐8 GE/Centricity	☐8 GE/Centricity Greenway				
□4 Cerner	☐9 Modernizing Medicine	☐13 Other, specify	/:			
☐5 eClinical Works	□ 5 eClinical Works □ 10 NextGen □ 14 Unknown					
21. Overall, how sa	tisfied or dissatisfied are you with your EHR s	ystem?				
☐1 Very satisfied	satisfied					
☐4 Somewhat dis	☐6 Not applicable					
22. Does your EHR and Human Serv	system meet meaningful use criteria (certified rices?	EHR) as defined by the	Depart	ment of I	Health	
□1 Yes	□2 No □3 Don't know	1				
23. Does the reporting	ng location use a computerized system to (CH OW):	ECK NO MORE THAN	Yes	No	Don't Know	
RECORDING	□ 1	□2	□3			
INFORMATION	□1	□2	□3			
	Order prescriptions?		□1	□2	□3	
	Are prescriptions sent electronically to the ph	□1	□2	□3		
	Are warnings of drug interactions or contraince	□1	□2	□3		
SAFETY	Order lab tests?	□1	□2	□3		
	Order radiology tests?	□1	□2	□3		
	Provide reminders for guideline-based interventions of	□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 cond	itions?	□1	□2	□3	
POPULATION MANAGEMENT	Create reports on clinical care measures for patients conditions (e.g., HbA1c for diabetics)?	with specific chronic	□1	□2	□3	
	Create shared care plans that are available across the	e clinical care team?	□1	□2	□3	
QUALITY MEASUREMENT	Send clinical quality measures to public and private in pressure control, HbA1c, smoking status)?	nsurers (e.g., blood	□1	□2	□3	
Template-based □1 Often (Go to 2 □5 Don't know (S	do you use template-based notes in your EHR notes are generated through forms or pre-filled te. 4a)	xt in an EHR rather than f		<i>alone.</i> kip to 25)		
□1 A great ex		ıll □4 Don't know				

24b. How easy or difficult is it to locate information in template-based n	otes?		
\Box 1 Very easy \Box 2 Somewhat easy \Box 3 Somewhat difficult \Box 4 Very dif	ficult		
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 dif	ficult		
Patient Engagement			
25. Does your practice use telemedicine technology (e.g., audio with video, we visits?	b videoconfere	nce) for p	atient
□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 rec	ord)?	□2	□3
Upload their health information from devices or apps (e.g., blood glucose meter, Fitbit, questionnaires)?	□1	□2	□3
Prescribing Controlled Substances			<u> </u>
28. How frequently are prescriptions for controlled substances sent electronica 1 Often	Don't know drug monitoring Skip to 30) □5 □ cure website) □ t's information' ficult □5 □ Ily request to v	g program oon't know □3 Don't ki ? on't Know	(Skip to 30)
from other states prior to prescribing a controlled substance for the following as a result of using the PDMP? Chapter 29d. Have you done any of the following as a result of using the PDMP? Chapter 2 Changed controlled substance prescriptions for a patient □2 Changed controlled substance prescriptions to non-opiod pharmacologic (e.g., pharmacologic therapy (e.g., exercise/physical therapy or CBT). □3 Prescribe naloxone □4 Refer additional treatment (e.g., substance abuse treatment, psychiatric or pai □5 Confirm patients' misuse of prescriptions (e.g., engage in doctor shopping) □6Confirm appropriateness of treatment □7 Assess pain and fuction of patient (e.g., PEG) □8 Consult with other prescribers listed in PDMP report	neck all that appl	•	or non-
☐9 Consult and/or coordinate with other members of the care team			

Electronic Exchange of Patient Health Information

			ıding fax, eFa		
□3 Don't know (Go to 31)					
providers o	utside you	r medical	organization		
□3 Don't	know (Skip	to 33)			
Yes	No	Don't Know	Not Applicable		
□1	□2	□3	□4		
□1	□2	□3	□4		
□1	□2	□3	□4		
□1	□2	□3	□4		
Yes	No	Don't Know	Not Applicable		
□1	□ 2		П.		
		□3	□4		
□1 □1	□2 □2	□3	□4		
□1 □1 □1	□2 □2 □2				
	Yes 1 1 1 1 other provid (separate fr 3 Don't know	Yes No 1	Yes No Know 1		

36. For providers outside of your medical

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electronically send and receive, send	Both Send and Receive Electronically	Senc Electroni Only	cally	Rece Electron On	nically		not Send or Receive ctronically	
Progress/Consultation notes	□1	□2		□3 □4			□4	
Clinical registry data	□1	□2		□3 □4			□4	
Emergency Department notifications	N/A	N/A			3		□4	
Summary of care records for transitions of care or referrals	□1	□2			3		□4	
 7. When seeing a new patient or a patient who has search or query for your patient's health inform This could include via remote or view only access □1 Yes (Go to 37a) □2 No (Skip to 3 37a. Do you electronically search for the followhealth information from sources outside 	nation from so to other facilitie 88) wing patient	ources ou es' EHR of	tside (r healt Don't kr	of your i	medica ation ex	l org	anization?	
organization? Progress/Consultation notes	•			□ 1	□2)	Know □3	
Vaccination/Immunization history]1]1		□3	
Summary of care record						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 								
39. Do you reconcile the following types of clinica information electronically received from provio outside of your medical organization? Reconciling involves comparing a patient's information another provider with your practice's clinical information.	ders ation from	Yes		No	Don Kno		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

sta	ff have clinica	al infor	mation fro	• •	e encounters	electron	ganization, how ofter ically available at the	•
□1	Often	□2 So	metimes	□3 Rare	ely □4	1 Never	☐5 Don't Kno	W
□6	I do not see pa	itients ou	utside my m	edical organization	1			
41.	-	•		atient health info			y (not eFax) receive	d from providers or
	□1 Often (Ski	ip to 41)	□2 Som	etimes (Skip to 41)	□3 Rarely (Go	o to 40a)	□4 Never (Go to 40a)	□5 Don't know (Skip to 41)
	41a. If rarely	y or ne	ver used,	please indicate	the reason(s)	why. Cl	neck all that apply.	
	□1 Info	rmation i	not always a	available when nee	eded (e.g., not tir	mely, miss	sing)	
	□2 Do r	not trust	accuracy of	finformation				
	□3 Diffi	cult to in	tegrate info	rmation in EHR				
	□4 Info	rmation i	not available	e to view in EHR as	s part of cliniciar	ns' workflo	w	
	□5 Info	rmation i	not useful (e.g., redundant or	unnecessary info	ormation)		
	□6 Diffi	cult to fir	nd necessai	ry information				

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

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

Benefits and Barriers to Exchange of Electronic Health Information

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

<u>Jocument</u>	ation and	Burden	<u>Associated</u>	with Medical	Record Sy	<u>/stems</u>

For the next questions, medical record system included			systems.		
 44. On average, how many hours per day do you in your medical record system? □1 None □2 Less than 1 hour □3 1 to 2 	-		office hours		clinical care
 45. Do you have staff support (e.g., scribe) to ass system? □1 Yes □2 No 46. How easy or difficult is it to document clinica 	·			•	ical record
□1 Very easy □2 Somewhat easy □3	Somewhat diffic	cult □4 V	ery difficult	☐5 Not application	able
47. Please indicate whether you agree or disagre 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.	□3	□4	□5		
48. Clinical care documentation requirements for □1 Strongly agree □2 Somewhat agree □3 Somewhat agre	-	_	ly align with ongly disagree		
49. What is a reliable E-mail address for the phys	sician to who	m this surve	ey was maile	d? 	
50. Who completed this survey? (Check all that a	pply)				
\Box 1 The physician to whom it was addressed	☐2 Office sta	ff	□3 Other		
Thank you for your participation. Please return your senvelope provided. If you have misplaced the envelope the survey to:		Boxes for A	dmin Use		