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 (0920-0234).

Assurance of Confidentiality - All information which would permit identification of an individual, a practice, or an establishment will be held confidential, will be used for statistical purposes only by NCHS staff, contractors, and agents only when required and with necessary controls, and will not be disclosed or released to other persons without the consent of the individual or the establishment in accordance with section 308(d) of the Public Health Service Act (42 USC 242m) and the Confidential Information Protection and Statistical Efficiency Act (PL-107-347).

Physician Workflow Supplement Year 2013

The purpose of the Physician Workflow study is to collect information about the experiences office-based physicians are having with and without **electronic health records (EHR)**. Your participation is greatly appreciated and voluntary. Your answers are completely confidential. If you have questions or comments about this survey, please call 866-966-1473.

This survey asks about **ambulatory care**, that is, care for patients receiving health services without admission to a hospital or other facility.

	noopiai oi		
yc	by you directly care for any ambulatory patients in our work? 1 Yes Continue to Question 2.	4.	At which of the settings in <u>question 3</u> do you see the most ambulatory patients? WRITE THE NUMBER NEXT TO THE BOX YOU CHECKED
	Please stop here and return the questionnaire in the envelope provided. Thank you for your time.		For the remaining questions, please answer regarding the reporting location indicated in question 4 even if it is not the location where this survey was sent.
yc	a typical week, at how many office locations do bu see ambulatory patients? (Please exclude ospital emergency or outpatient departments)	5.	What are the county, state, zip code, and telephone number of the reporting location? Country USA
	locations		County
	o you see ambulatory patients in any of the llowing settings? CHECK ALL THAT APPLY.		State Zip Code
1 🗆	Private solo or group practice		Telephone ()
	Freestanding clinic/urgicenter (not part of a hospital outpatient department) Community Health Center (e.g., Federally Qualified Health Center	6.	
	(FQHC), federally funded clinics or "look-alike" clinics)		
4□	Mental health center If you	7.	How many physicians, including you, work at this
5□	Non-federal government clinic (e.g., state, county, city, maternal and child health, etc.) see patients in any of these settings, go to Q4	'	practice (including physicians at the reporting location, and physicians at any other locations of the practice)?
6□	Family planning clinic (including Planned Parenthood)		1□ 1 physician
7□	Health maintenance organization or other prepaid practice (e.g., Kaiser		2□ 2-3 physicians
۰.	Permanente)		3□ 4-10 physicians
8⊔	Faculty practice plan (An organized group of physicians that treat patients referred to an academic medical center)		4□ 11-50 physicians 5□ 51-100 physicians
9□	Hospital emergency or hospital outpatient departments If you select only 9 or 10,		5□ 51-100 physicians6□ More than 100 physicians
10□	None of the above go to Q36		

8.	How many of the following types of staff are associated with the reporting location? If none, mark box provided.	13. Does the reporting location participate in a Pay-for- performance arrangement in which you can receive financial bonuses based on your performance?			
	Number of midlevel providers (NP, PA) □ None	1□ Yes (Skip to 14)			
		2□ No (Go to 13a)			
	Number of clinical staff (RN, MA) □None	3□ Uncertain (Go to 13a)			
	Number of administrative/non-clinical staff None	13a. Do you <u>plan to participate</u> in a Pay-for-			
9.	Is the reporting location a single- or multi-specialty	performance arrangement?			
	(group) practice?	1□ Yes			
	1□ Single	2□ No			
	2□ Multi-specialty	3□ Uncertain			
10.	Are you a full or part owner, employee, or an independent contractor at the reporting location?	14. Does the reporting location participate in an Accountable Care Organization or similar			
	1□ Owner	arrangement by which you may share savings with insurers (including private insurance, Medicare,			
	2□ Employee	Medicaid, and other public options)?			
	3□ Contractor	1□ Yes (Skip to 15)			
11.	Who owns the reporting location? CHECK ONE.	2□ No (Go to 14a)			
	1□ Physician or physician group	3□ Uncertain (Go to 14a)			
	2□ Insurance company, health plan, or HMO	14a Do you plan to participate in an			
	3□ Community health center	14a. Do you <u>plan to participate</u> in an Accountable Care Organization or			
	4□ Medical/academic health center	similar arrangement?			
	5□ Other hospital	1□ Yes			
	6□ Other health care corporation	2□ No			
	7□ Other	3□ Uncertain			
12.	Does the reporting location receive any additional compensation beyond routine visit fees for offering Patient-Centered Medical Home (PCMH) type	The next questions are related to your general experiences with practicing medicine.			
	services or does the reporting location participate in a certified PCMH arrangement?	15. Overall, how satisfied or dissatisfied are you with practicing medicine?			
	PCMHs are certified by the National Committee for	1□ Very satisfied			
	Quality Assurance, Joint Commission, URAC, Bridges o Excellence, or some other state or national group.	2□ Somewhat satisfied			
	2.000.00.000, or come care or material group.	3□ Somewhat dissatisfied			
	1□ Yes (Skip to 13)	4□ Very dissatisfied			
	2□ No (Go to 12a)	16. Please consider the following statement:			
	3□ Uncertain (Go to 12a)	"I am able to provide high quality care to most of my patients at the reporting location."			
	12a. Do you <u>plan to participate</u> in a PCMH arrangement?	Would you say you			
	1□ Yes	1□ Strongly agree			
	2□ No	2□ Somewhat agree			
	3□ Uncertain	3□ Somewhat disagree			
		4□ Strongly disagree			

18. Medicare and Medicaid offer incentives to practices that demonstrate "meaningful use of health IT." At

the reporting location, are there plans to apply for

these incentive payments?

1□ Yes, we already applied (Skip to 19)

2□ Yes, we intend to apply (Skip to 19)

The next questions are about electronic health records (EHR) systems.

- EHRs may include multiple modules and capabilities such as computerized order entry and clinical decision support.
- EHRs do not include faxing, photocopying, or printing the medical information from an external website, and then including the information in a paper-based record.

17.	Which of the following	best describes the reporting
	location's current EHR	adoption status?

- 1□ We are actively using an EHR system that was installed more than 12 months ago. (Skip to 18)
- 2□ We are actively using an EHR system that was installed within the past 12 months. (Skip to 18)
- 3□ We <u>are not actively using an EHR system</u> but have one installed. (Skip to 18)
- 4□ We **do not have an EHR system**. (Go to 17a)

17a. Do you <u>ever plan to implement</u> an EHR system?

- 1□ Yes (Skip to 18)
- 2□ No (Go to 17b)
- 3□ Uncertain because I'm not involved in the decision process (Skip to 18)
- 4□ Uncertain because I'm undecided (Go to 17b)

17b. Why do you not plan on implementing an EHR system? CHECK ALL THAT APPLY.

- 1□ No systems fit with my specialty
- 2□ Plan to retire soon
- 3□ Lack of time
- 4□ Lack of staff
- 5□ Lack of financial resources
- 6□ Privacy/security concerns
- 7□ Other, specify:

3□	No, w	No, we will not apply (Go to 18a)								
4□		Uncertain if we will apply because I'm not involved in the decision process (Skip to 19)								
5□		Uncertain if we will apply because I'm undecided (Go to 18a)								
	18a.	appl	se indicate the reasons for not ying for incentives. CHECK ALL T APPLY.							
		1□	Not qualified as an "eligible provider"							
		2□	The process to apply is difficult							
		3□	Not familiar with the incentive program							
		4□	Unsure that incentives will actually be paid							
		5□	My EHR system does not exchange health information electronically with							

other providers (e.g., EHR systems

Not prepared to implement electronic

"don't talk to each other")

Other reason for not applying.

19. Has the reporting location received <u>any</u> type of assistance from a Regional Extension Center?

prescribing

Please specify:

7

- 1□ Yes
- 2□ No
- 3□ Uncertain
- 4□ I am not familiar with the term regional extension center.

20. Please answer the 3 questions to the right of this box about the		oortant is th g better pati		How often is this task usually performed at this location?				Is this task computerized?		
following clinical workflow tasks for the reporting location.	Very important	Somewhat important	Not important	More than weekly	More than monthly	Less than monthly	Never	Yes	No	
Population management: a. Create a list of patients by particular diagnosis	1□	2□	3□	1□	2□	3□	4□ Skip to b	1□	2□	
b. Create a list of patients by particular lab result	1□	2□	3□	1□	2□	3□	4□ Skip to c	1□	2□	
c. Create a list of patients by particular vital signs (e.g., high blood pressure)	1□	2□	3□	1□	2□	3□	4□ Skip to d	1□	2□	
d. Create a list of patients who are due for tests or preventive care	1□	2□	3□	1□	2□	3□	4□ Skip to e	1□	2□	
Provide patient reminders for preventive or follow-up care	1□	2□	3□	1□	2□	3□	4□ Skip to f	1□	2□	
Quality improvement: f. Create reports on clinical care measures for patients with specific chronic conditions (e.g., HbA1c for diabetic patients)	1□	2□	3□	1□	2□	3□	4□ Skip to g	1	2□	
g. Create reports on clinical care measures by patient demographic characteristics (e.g., age, sex, race)	1□	2□	3□	1□	2□	3□	4□ Skip to h	1□	2□	
h. Submit clinical care measures to public and private insurers (e.g., blood pressure control, HbA1c, smoking status)	1□	2□	3□	1□	2□	3□	4□ Skip to i	1□	2□	
Patient communication/access to health data: i. Provide patients with a copy of their health information	1□	2□	3□	1□	2□	3□	4□ Skip to j	1	2□	
j. Record a patient advanced directive	1□	2□	3□	1□	2□	3□	4□ Skip to k	1□	2□	
k. Provide patients with a clinical summary for each visit	1□	2□	3□	1□	2□	3□	4□ Skip to I	1□	2□	
Coordination of care: I. Receive patient clinical information from other physicians treating your patient (e.g., referral summaries)	1□	2□	3□	1□	2□	3□	4□ Skip to m	1	2□	
m. Receive information needed to continue managing a patient post-hospital discharge	1□	2□	3□	1□	2□	3□	4□ Skip to n	1□	2□	
n. Share patient clinical information with other providers treating your patient	1□	2□	3□	1□	2□	3□	4□ Skip to 21	1□	2□	

	lease indicate whether you agree or disagree with the lowing statements about using an EHR system:	Strongly Agree	Somewhat Agree	Somewhat Disagree	Strongly Disagree
a.	Overall, my practice would function more efficiently with an EHR system.	1□	2□	3□	4□
b.	The amount of time spent to plan, review, order, and document care would increase.	1□	2□	3□	4□
C.	The amount of time spent responding to pharmacy calls would increase.	1□	2□	3□	4□
d.	Overall, an EHR would save me time.	1□	2□	3□	4□
e.	Sending prescriptions electronically would save me time.	1□	2□	3□	4□
f.	The number of weekly office visits would increase.	1□	2□	3□	4□
g.	My practice would receive lab results faster.	1□	2□	3□	4□
h.	My practice would save on costs associated with managing and storing paper records.	1□	2□	3□	4□
i.	Billing for services would be less complete.	1□	2□	3□	4□
j.	An EHR would produce financial benefits for my practice.	1□	2□	3□	4□
k.	An EHR would produce clinical benefits for my practice.	1□	2□	3□	4□
I.	An EHR would allow me to deliver better patient care.	1□	2□	3□	4□
m	. An EHR would make records more readily available at the point of care.	1□	2□	3□	4□
n.	An EHR would disrupt the way I interact with my patients.	1□	2□	3□	4□
0.	An EHR would be an asset when recruiting physicians to join the practice.	1□	2□	3□	4□
p.	An EHR would enhance patient data confidentiality.	1□	2□	3□	4□
q.	Health information would be less secure in an EHR system than a paper-based system.	1□	2□	3□	4□
r.	An EHR would reduce transcription costs.	1□	2□	3□	4□
S.	Summary of care documents received electronically from other providers would contain unnecessary information.	1□	2□	3□	4□
t.	Summary of care documents received electronically from other providers would contain too much information.	1□	2□	3□	4□
u.	Overall, the benefits of having an EHR would outweigh its purchase and maintenance costs.	1□	2□	3□	4□

22.		w much of an influence do you think the following would ve on your decision to adopt an EHR System?	Major Influence to Adopt	Minor Influence to Adopt	Not an Influence
	a.	Government incentive payments for EHR use	1□	2□	3□
	b.	Proposed financial penalties for not using an EHR	1□	2□	3□
	c.	Availability of government-certified products	1□	2□	3□
	d.	Assistance with selecting an EHR system	1□	2□	3□
	e.	Technical assistance with EHR implementation in my practice	1□	2□	3□
	f.	EHR systems being used by trusted colleagues	1□	2□	3□
	g.	Capability of exchanging information electronically within my referral network	1□	2□	3□
	h.	Requirement to use an EHR for maintenance of board certification	1□	2□	3□

If you <u>have an EHR system</u> (see Question 17), continue to Question 23. Otherwise, skip to Question 35 (page 8).

23.		is question is about the ways that an EHR system might ect your reporting location. Has your EHR system:	Yes, within the past 30 days	Yes, but not within the past 30 days	Not at all	Not Applicable
	a.	Alerted you to a potential medication error?	1 🗆	2□	3□	4□
	b.	Led to a potential medication error?	1 🗆	2□	3□	4□
	C.	Alerted you to critical lab values?	1□	2□	3□	4□
	d.	Led to less effective communication during patient visits?	1□	2□	3□	4□
	e.	Reminded you to provide preventive care (e.g., vaccine, cancer screening)?	1□	2□	3□	4□
	f.	Reminded you to provide care that meets clinical guidelines for patients with chronic conditions?	1□	2□	3□	4□
	g.	Helped you identify needed lab tests (such as HbA1c or LDL)?	1□	2□	3□	4□
	h.	Helped you order fewer tests due to better availability of lab results?	1□	2□	3□	4□
	i.	Helped you order more on-formulary drugs (as opposed to off-formulary drugs)?	1□	2□	3□	4□
	j.	Facilitated direct communication with a patient (e.g., email or secure messaging)?	1□	2□	3□	4□
	k.	Facilitated direct communication with other providers that are part of your patient care team?	1□	2□	3□	4□
	I.	Helped you access a patient's chart remotely (e.g., to work from home)?	1□	2□	3□	4□
	m.	Helped you access a patient's chart through your personal device (e.g., smart phone, tablet)?	1□	2□	3□	4□
	n.	Alerted you that you received a patient summary from another provider?	1□	2□	3□	4□
	0.	Helped you order a referral?	1□	2□	3□	4□
	p.	Helped you follow-up on a referral?	1□	2□	3□	4□
	q.	Inadvertently led you to select the wrong medication or lab order from a list?	1□	2□	3□	4□
	r.	Led you to overlook something important because you received too many alerts?	1□	2□	3□	4□
	S.	Been accessed by an unauthorized outside entity?	1□	2□	3□	4□
	t.	Enhanced overall patient care?	1□	2□	3□	4□

	4. Do you share any patient health information <u>electronically</u> (not fax) with other providers, including hospitals, ambulatory providers, or labs?									
1□	Yes (Go to 24a) 2□ No (Skip to 25)									
	24a. To what extent do you agree or disagree with the following statements about electronic information exchange.	Strongly Agree	Somewhat Agree	Somewhat Disagree	Strongly Disagree	Uncertain				
	"Electronically exchanging clinical information with other providers"									
a.	improves my practice's quality of care.	1□	2□	3□	4□	5□				
b.	increases my practice's efficiency.	1 🗆	2□	3□	4□	5□				
C.	increases my practice's vendor costs.	1□	2□	3□	4□	5□				
d.	requires multiple systems or portals.	1□	2□	3□	4□	5□				
e.	increases my practice's liability due to other providers lacking adequate privacy/security safeguards.	1□	2□	3□	4□	5□				
f.	decreases my ability to separate sensitive health information from other data being exchanged.	1□	2□	3□	4□	5□				

25.	Overall, how satisfied or dissatisfi your EHR system?	ed are you with	30.		ch of the following best represents your EHR tem?
	your Enk system?			ЗуЗ	iciii:
	1□ Very satisfied			1 🗆	Stand-alone (Client server) – A self-contained
	2□ Somewhat satisfied				system, where data and application functionality are delivered onsite.
	3□ Somewhat dissatisfied				are delivered offsite.
	4□ Very dissatisfied			2	Web-based design (Cloud system or Application
	4LI Very dissatisfied				Service Provider (ASP)) – Service provider hosts
26.	Would you purchase this EHR aga	in?			the EHR system and stores data. Practice accesses the system and data through the internet.
	, , , , , , , , , , , , , , , , , , ,		24	Harr	
	1□ Yes		31.		w many hours, on average, did clinical staff nd in training to use your practice's EHR?
	2□ N o				
	3□ Uncertain				1 to 8 hours
					9 to 40 hours
27.	In which year did you install your	EHR system?		3□ 4□	41 to 80 hours Over 80 hours
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,			Did not receive training
	1 1 1			J	Did not receive training
	Year (YYYY)	□ Unknown	32.		w many hours, on average, did non-clinical staff nd in training to use your practice's EHR?
				•	, ,
28.	What is the name of the current EHR system? CHECK ONLY ONE BOX.			1 🗆	1 to 8 hours
				2	9 to 40 hours
4 □	Allocrinto CD o MDo	44□ Nov#Con		3□	41 to 80 hours
	Allscripts 6□ e-MDs Amazing Charts 7□ Epic	11□ NextGen12□ Practice Fusion		4□	Over 80 hours
	athenahealth 8 GE/Centricity	13□ Sage/Vitera		5□	Did not receive training
	Cerner 9□ Greenway Medical	_	33.	Asa	a result of implementing an EHR, did you
	eClinicalWorks 10□ McKesson/			exp	erience any changes in clinical staff (e.g., other
	Practice Partner	15□ Unknown			s, RNs, MAs) at the reporting location? ECK ALL THAT APPLY.
	_				
29.	Does your current system meet m criteria as defined by the Departm			1 🗆	Yes, <u>overall</u> clinical staff increased
	Human Services (HHS)?			2□	Yes, <u>overall</u> clinical staff decreased
				3□	Yes, shift in responsibilities among existing staff
	1□ Yes (Skip to 30)			4 🗆	No clinical staff changes
	2□ No (Go to 29a)			5□	Uncertain
	3□ Uncertain (Go to 29a)		34.		a result of implementing an EHR, did you
					erience any changes in non-clinical/ ninistrative staff at the reporting location?
	29a. Are there plans to upgrade your system to meet meaningful use criteria?				ECK ALL THAT APPLY.
	1□ Yes			1□	Yes, overall clinical staff increased
	2□ No			2□	Yes, overall clinical staff decreased
	-			3□	Yes, shift in responsibilities among existing staff
	3□ Uncertain			4□	No administrative staff changes
				5□	Uncertain

35.	rep	Decreased Stayed about the same Uncertain (Go to 36)	Was this due, in part, to the EHR? □ Yes □ No □ Uncertain	repo num	er the past ye orting location ber of office Increased Decreased Stayed about Uncertain (G	n, has the visits	part, 1 = 2 = 2	this due, in to the EHR? Yes No Uncertain					
		4	I□ N/A					N/A					
37.		n patients seen at the reporting lo	ocation do any of	the follo	wing	Yes	No	Uncertain					
	a.	View test results online				1□	2□	3□					
	b.	Request referrals online				1□	2□	3□					
	c.	Request refills for prescriptions onl	line			1□	2□	3□					
	d.	Request appointments online				1□	2□	3□					
	e.	Enter health information online (e.ç	g., weight, symptom	ns)		1□	2□	3□					
	f.	Upload data from self-monitoring d	levices (e.g., blood	glucose	readings)	1□	2□	3□					
38.	39. Who completed this survey? installing a new EHR system within the next 12 months? □ Yes □ No □ Maybe □ Unknown							sed					
40.		have your specialty as: his correct? Yes											
	2□	No What is your	specialty?										
Ple	ase	add your comments in the box h	pelow.										
	Please add your comments in the box below.												
env	elo	be provided. If you have misplaced the	nis envelope, please	hank you for your participation. Please return your survey in the nvelope provided. If you have misplaced this envelope, please send urvey to: 2605 Meridian Parkway, Suite 200, Durham, NC 27713 Boxes for Admin Use									