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.

1.	Do you directly care for any your work?	y ambulatory patients in	4.	most ambulatory patients? WRITE THE NUMBER
	1□ Yes →	Continue to Question 2.		NEXT TO THE BOX YOU CHECKED
	2□ No 3□ I am no longer	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.
2.	In a typical week, at how m you see ambulatory patient hospital emergency or out	ts? (Please exclude	5.	What are the county, state, zip code, and telephone number of the reporting location? Country USA
	locations			County
3.	, , , , , , , , , , , , , , , , , , ,			State
	following settings? CHECK	ALL THAT APPLY.		Zip Code
	1☐ Private solo or group practice	l l		Telephone ()
	2☐ Freestanding clinic/urgicente part of a hospital outpatient department)	er (not	6.	How many physicians, including you, work at the reporting location? WRITE BELOW.
	3□ Community Health Center (e Federally Qualified Health Co (FQHC), federally funded clir "look-alike" clinics)	enter		reporting location? WRITE BELOW.
	4☐ Mental health center	If you	7.	How many physicians, including you, work at this
	5☐ Non-federal government clin state, county, city, maternal a health, etc.)			<u>practice</u> (including physicians at the reporting location, and physicians at any other locations of the practice)?
	6□ Family planning clinic (included Planned Parenthood)			1□ 1 physician
	7☐ Health maintenance organization other prepaid practice (e.g.,			2□ 2-3 physicians
	Permanente) 8□ Faculty practice plan (An org	lanized		3□ 4-10 physicians
	group of physicians that trea patients referred to an acade medical center)	t		4□ 11-50 physicians5□ 51-100 physicians
	9□ Hospital emergency or hospi outpatient departments	ital If you select <u>only</u> 9 or 10.		6□ 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) □ Non	1□ Yes (Skip to 14)					
	Number of clinical staff (RN, MA)	2□ No (Go to 13a)					
	Number of administrative/non-clinical staff □ Non	3□ Uncertain (Go to 13a) ➤ ———					
9.	Is the reporting location a single- or multi-specialty (group) practice?	13a. Do you <u>plan to participate</u> in a Pay-for- performance arrangement?					
	1□ Single	1□ Yes					
	2□ Multi-specialty	2□ No					
10.	Are you a full or part owner, employee, or an independent contractor at the reporting location?	3☐ Uncertain 14. Does the reporting location participate in an					
	1□ Owner	Accountable Care Organization or similar arrangement by which you may share savings with					
	2□ Employee	insurers (including private insurance, Medicare, Medicaid, and other public options)?					
	3□ Contractor						
11	Who owns the reporting location? CHECK ONE.	1□ Yes (Skip to 15) 2□ No (Go to 14a)					
	1□ Physician or physician group	3□ Uncertain (Go to 14a)					
	2□ Insurance company, health plan, or HMO	→					
	3□ Community health center	14a. Do you <u>plan to participate</u> in an					
	4□ Medical/academic health center	Accountable Care Organization or 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 <i>Patient-Centered Medical Home (PCMH)</i> type services or does the reporting location participate in a certified PCMH arrangement?	The next questions are related to your general experiences with practicing medicine. 15. Overall, how satisfied or dissatisfied are you with practicing medicine?					
F	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					
·	o excellence, or some other state or national 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)						
	12a. Do you <u>plan to participate</u> in a PCMH	"I am able to provide high quality care to most of my patients at the reporting location."					
	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

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 are not actively using an EHR system but have one installed. (Skip to 18)
 - 4□ We do not have an EHR system. (Go to 17a)
 - 17a. Do you ever plan to implement an EHR system?
 - Yes (Skip to 18) 1□
 - No (Go to 17b) 2□
 - 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.
 - No systems fit with my specialty 1 🗆
 - 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:

	the	report	ing lo	te "meaningful use of health IT." At ocation, are there plans to apply for payments?
	1□	Yes,	we alr	eady applied (Skip to 19)
	2□	Yes,	we int	end to apply (Skip to 19)
	3□	No, w	e will	not apply (Go to 18a)
	4□			we will apply because I'm not involved ion process (Skip to 19)
	5□		rtain if o 18a)	we will apply because I'm undecided
		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 "don't talk to each other")
			6□	Not prepared to implement electronic prescribing
			7□	Other reason for not applying.
				Please specify:
19.				ng location received <u>any</u> type of n a Regional Extension Center?
	1□	Yes		
	2□	No		
	3□	Unce	rtain	
	4□	I am i		miliar with the term regional extension

the right of this box about the		oortant is th g better pati			often is the			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□

If you <u>do not have an EHR system</u> or <u>are not actively using an EHR system</u> skip to Question 31 (page 8).

If you are not sure about your EHR status, please refer to your answer in Question 17.

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

	s question is about the ways that an EHR system might ct 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□

	what extent have you experienced the following as a barrier to g your reporting location's EHR system?	Major Barrier	Minor Barrier	Not a Barrier
a.	Annual cost of maintaining an EHR system	1□	2□	3□
b.	Loss of productivity	1□	2□	3□
c.	Adequacy of training for you and your staff	1□	2□	3□
d.	Adequacy of EHR technical support	1□	2□	3□
e.	Reliability of the system (e.g., EHR down or unavailable when needed)	1□	2□	3□
f.	Templates customized to your specialty or specific patient conditions	1□	2□	3□
g.	Resistance of your practice to change work habits	1□	2□	3□
h.	Ability to encrypt information to securely send information to other providers	1□	2□	3□
i.	Ability to keep patient data private and secure	1□	2□	3□
j.	Efficiency of performing tasks (e.g., too many clicks ("click fatigue"))	1□	2□	3□
k.	Ability to access patient records (e.g., log in)	1□	2□	3□

		hare any patient health information <u>electro</u> ory providers, or labs?	onically (no	ot fax) with o	ther provider	rs, including	hospitals,
1□	Yes	(Go to 24a) 2□ No (Skip to 2	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□

		data being exchanged.					
25.		erall, how satisfied or dissatisfied are you with r EHR system?		-	ou purchase	this EHR ag	ain?
	1 🗆	Very satisfied		Yes No			
	2□	Somewhat satisfied	3□ (Jnc	ertain		
	3□	Somewhat dissatisfied					
	4□	Very dissatisfied					

Year (YYYY) Unknown	30. How many hours, on average, did you spend in ongoing training over the past year to use your practice's EHR?				
1001(1111)	1□ 1 to 8 hours	ist year to us	e your prac	LICE'S EHR!	
28. What is the name of the current EHR system?	2□ 9 to 40 hours				
CHECK ONLY ONE BOX.	3□ 41 to 80 hours				
1□ Allscripts 6□ e-MDs 11□ NextGen	4□ Over 80 hours				
2□ Amazing Charts 7□ Epic 12□ Practice Fusion	5□ Did not receive ongoing training				
3□ athenahealth 8□ GE/Centricity 13□ Sage/Vitera	31. Over the past year		Was this due, in		
4□ Cerner 9□ Greenway Medical 14□ Other, specify	location, has practi			the EHR?	
5□ eClinicalWorks 10□ McKesson/ ————————————————————————————————————	revenue	_	1□ Yes		
29. Does your current system meet meaningful use	1□ Increased 2□ Decreased	l	2□ No		
criteria as defined by the Department of Health and Human Services (HHS)?	3□ Stayed about the		certain		
1□ Yes (Skip to 30)	4□ Uncertain (Go to		4□ N/A	`	
2□ No (Go to 29a)	32. Over the past year	·	Was this	s due in	
3□ Uncertain (Go to 29a)	location, has the nu	Was this due, in part, to the EHR?			
29a Are there plans to upgrade your system	1□ Increased	1	1□ Yes		
to meet meaningful use criteria?	2□ Decreased	,	2□ No		
1□ Yes 2□ No	3□ Stayed about the	3□ Uncertain 4□ N/A			
2□ No 3□ Uncertain	4□ Uncertain (Go to				
33. Can patients seen at the reporting location do any of t online activities?	he following	Yes	No	Uncertain	
a. View test results online		1□	2□	3□	
b. Request referrals online		1□	2□	3□	
c. Request refills for prescriptions online		1□	2□	3□	
d. Request appointments online		1□	2□	3□	
e. Enter health information online (e.g., weight, symptoms)		1□	2□	3□	
e. Enter health information online (e.g., weight, symptoms)f. Upload data from self-monitoring devices (e.g., blood glu	cose readings)	1□ 1□	2□	3□	
	cose readings) 35. Who completed this	1□			
f. Upload data from self-monitoring devices (e.g., blood glu 34. At the reporting location, are there plans for installing a new EHR system within the next		1□ s survey?	2□		
f. Upload data from self-monitoring devices (e.g., blood glu 34. At the reporting location, are there plans for installing a new EHR system within the next 12 months?	35. Who completed this 1□ The physician to 2□ Office staff	1□ s survey?	2□		
f. Upload data from self-monitoring devices (e.g., blood glu 34. At the reporting location, are there plans for installing a new EHR system within the next	35. Who completed this 1□ The physician to	1□ s survey?	2□		
f. Upload data from self-monitoring devices (e.g., blood glue 34. At the reporting location, are there plans for installing a new EHR system within the next 12 months? 1 Yes 2 No 3 Maybe 4 Unknown 36. We have your specialty as:	35. Who completed this 1□ The physician to 2□ Office staff	1□ s survey?	2□		
f. Upload data from self-monitoring devices (e.g., blood glu 34. At the reporting location, are there plans for installing a new EHR system within the next 12 months? 1 Yes 2 No 3 Maybe 4 Unknown 36. We have your specialty as: Is this correct?	35. Who completed this 1□ The physician to 2□ Office staff	1□ s survey?	2□		
f. Upload data from self-monitoring devices (e.g., blood glue 34. At the reporting location, are there plans for installing a new EHR system within the next 12 months? 1 Yes 2 No 3 Maybe 4 Unknown 36. We have your specialty as: Is this correct? 1 Yes	35. Who completed this 1□ The physician to 2□ Office staff	1□ s survey?	2□		
f. Upload data from self-monitoring devices (e.g., blood glue) 34. At the reporting location, are there plans for installing a new EHR system within the next 12 months? 1 Yes 2 No 3 Maybe 4 Unknown 36. We have your specialty as: Is this correct? 1 Yes 2 No What is your specialty?	35. Who completed this 1□ The physician to 2□ Office staff	1□ s survey?	2□		
f. Upload data from self-monitoring devices (e.g., blood glue 34. At the reporting location, are there plans for installing a new EHR system within the next 12 months? 1 Yes 2 No 3 Maybe 4 Unknown 36. We have your specialty as: Is this correct? 1 Yes	35. Who completed this 1□ The physician to 2□ Office staff	1□ s survey?	2□		
f. Upload data from self-monitoring devices (e.g., blood glue) 34. At the reporting location, are there plans for installing a new EHR system within the next 12 months? 1 Yes 2 No 3 Maybe 4 Unknown 36. We have your specialty as: Is this correct? 1 Yes 2 No What is your specialty?	35. Who completed this 1□ The physician to 2□ Office staff	1□ s survey?	2□		
f. Upload data from self-monitoring devices (e.g., blood glue) 34. At the reporting location, are there plans for installing a new EHR system within the next 12 months? 1 Yes 2 No 3 Maybe 4 Unknown 36. We have your specialty as: Is this correct? 1 Yes 2 No What is your specialty?	35. Who completed this 1□ The physician to 2□ Office staff	1□ s survey?	2□		
f. Upload data from self-monitoring devices (e.g., blood glue) 34. At the reporting location, are there plans for installing a new EHR system within the next 12 months? 1□ Yes 2□ No 3□ Maybe 4□ Unknown 36. We have your specialty as: Is this correct? 1□ Yes 2□ No → What is your specialty?	35. Who completed this 1□ The physician to 2□ Office staff	1□ s survey?	2□		
f. Upload data from self-monitoring devices (e.g., blood glu 34. At the reporting location, are there plans for installing a new EHR system within the next 12 months? 1 Yes 2 No 3 Maybe 4 Unknown 36. We have your specialty as: Is this correct? 1 Yes 2 No What is your specialty? Please add your comments in the box below. Thank you for your participation. Please return your survey in the series of the	35. Who completed this 1□ The physician to 2□ Office staff 3□ Other	1□ s survey?	2□		
f. Upload data from self-monitoring devices (e.g., blood glue) 34. At the reporting location, are there plans for installing a new EHR system within the next 12 months? 1 Yes 2 No 3 Maybe 4 Unknown 36. We have your specialty as: Is this correct? 1 Yes 2 No What is your specialty? Please add your comments in the box below.	35. Who completed this 1 The physician to 2 Office staff 3 Other	1□ s survey? whom it was a	2□		