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 2012

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.	you 1□ 2□ 3□	you directly care for any ambulatory patients in r work? Yes	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.			
2.	. Overall, at how many office locations do you see ambulatory patients in a normal week (i.e., a week with a normal caseload, with no holidays, vacations, or conferences)?locations			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.			
3.	Do you see ambulatory patients in any of the following settings? CHECK ALL THAT APPLY. □ Private solo or group practice		5.	What are the county, street address, state, zip code and telephone number of the <u>reporting location</u> ?			
	2□	Freestanding clinic/urgicenter (not part of a hospital outpatient department)		Country USA			
	3□	Community Health Center (e.g., Federally Qualified Health Center (FQHC), federally funded clinics or "look-alike" clinics)		County Address			
	4□	Mental health center		State			
	5□	Non-federal government clinic (e.g., state, county, city, maternal and child health, etc.)		Zip Code Telephone () -			
	6□	Family planning clinic (including Planned Parenthood)		· · · · · · · · · · · · · · · · · · ·			
	7□	Health maintenance organization or other prepaid practice (e.g., Kaiser Permanente)	6.	Is the reporting location a solo practice, or are you			
	8□	Faculty practice plan (An organized group of physicians that treat patients referred to an academic medical center)		associated with other physicians in a partnership, in a group practice or in some other way?			
	9□	Hospital emergency department		1□ Solo → Skip to Question 7			
	10□	None of the above		2□ Associated with other physicians			
<u>n</u> e	one of	nswered <u>only hospital emergency department</u> or <u>f the above</u> in question 3, skip to question 38 . If you <u>boxes 1-8</u> in question 3, continue to question 4 .		↓ 6a. How many? excluding yourself			

7.	How many of the following types of staff are associated with the reporting location? <i>If none, mark box provided.</i>		12.	perfo	s the reporting location participate in a Pay-for- ormance arrangement in which you can receive ncial bonuses based on your Performance?		
	Number of midlevel providers (NP, PA)	□None		1 🗆	Yes, we participate		
	Number of clinical staff (RN, MA)	□None		2□	No, but we plan to participate		
	Number of administrative/non-clinical staff	□None		3□	No, and we don't plan to participate		
				4□	Uncertain		
8.	Is the reporting location a single- or multi-spe (group) practice?	ecialty	13.	s the reporting location participate in an ountable Care Organization or similar ngement by which you may share savings with			
	1□ Single			insu	rers (including private insurance, Medicare,		
	2□ Multi-specialty			Med	icaid, and other public options)?		
				1 🗆	Yes, we participate		
9.	Are you a full or part owner, employee, or an			2□	No, but we plan to participate		
	independent contractor at the reporting location?			3□	No, and we don't plan to participate		
	1□ Owner			4□	Uncertain		
	2□ Employee						
	3□ Contractor		_				
10.	Who owns the reporting location? CHECK O	NE.			ext questions are related to your general iences with practicing medicine.		
	1□ Physician or physician group						
	2□ Insurance company, health plan, or HMO		14.	14. Overall, how satisfied or dissatisfied are you			
	3□ Community health center			prac	ticing medicine?		
	4□ Medical/academic health center			1□	Very satisfied		
	5 Other hospital				Somewhat satisfied		
	6□ Other health care corporation7□ Other				Somewhat dissatisfied		
	7 Other			4□	Very dissatisfied		
					·		
		ional	15	DI	as sansidar the following statement.		
11.	Does the reporting location receive any addit		15.	Plea	se consider the following statement:		
11.	compensation beyond routine visit fees for of Patient-Centered Medical Home (PCMH) type so	ffering ervices	15.		_		
11.	compensation beyond routine visit fees for of	ffering ervices	15.	"I an my p	n able to provide high quality care to most of patients at the reporting location."		
11.	compensation beyond routine visit fees for of Patient-Centered Medical Home (PCMH) type so or does the reporting location participate in a	ffering ervices	15.	"I an my p Wou	n able to provide high quality care to most of patients at the reporting location."		
11.	compensation beyond routine visit fees for of Patient-Centered Medical Home (PCMH) type so or does the reporting location participate in a certified PCMH arrangement?	ffering ervices	15.	"I an my p Wou	n able to provide high quality care to most of patients at the reporting location."		
11.	compensation beyond routine visit fees for of Patient-Centered Medical Home (PCMH) type so or does the reporting location participate in a certified PCMH arrangement? 1 Yes, we participate	ffering ervices	15.	"I an my p Woul 1 2	n able to provide high quality care to most of patients at the reporting location." Ild you say you Strongly agree		

The next questions are a	bout electron	ic health	records
(EHR) systems.			

- An EHR is a computerized patient medical file integrated to contain patient demographic and clinical data such as prescription records, lab and imaging results, and clinical summaries. EHRs may include multiple modules, functions for computerized order entry and clinical decision support.
- An EHR is NOT a billing or practice management system, and does not entail obtaining medical information from another provider, physician office, or hospital BY faxing, photocopying, or printing the medical information from an external website, and then including the information in a paper-based record.
- 16. Which of the following best describes the reporting location's current EHR adoption status?
 - 1□ We do not have an EHR system.
 - 2□ We <u>are not actively using an EHR system</u> but have one installed.
 - 3□ We are actively using an EHR system that was installed within the past 12 months.
 - 4□ We are actively using an EHR system that was installed more than 12 months ago.
- 17. 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 18)
 - 2□ Yes, we intend to apply (Skip to 18)
 - $3\square$ No, we will not apply (Go to 17a)
 - 4□ Uncertain if we will apply (Go to <u>17a</u>)

17a.	Please indicate the reasons for not applying for					
	incentives.	CHECK ALL THAT APPLY.				

ш	Not qualified as afficingible provider	
2□	The process to apply is difficult	

Not avalified as an "aligible provider"

- 3□ Not familiar with the incentive program
- $4\square$ Unsure that incentives will actually be paid
- 5□ No plans to have an eligible EHR system

4	Why do y	ou not plan to have	an eligible EHF
	system?	(Check all that apply)	

- a□ No plans to adopt any EHR system
- b□ Have an EHR that does not qualify for incentives
- c□ Plan to retire
- d□ Not prepared to implement electronic prescribing
- 6□ Lack resources to apply (Check all that apply)
 - a□ Time
 - c□ Staff
 - b□ Money/Financing
 - d□ Infrastructure
- 7□ Other reason for not applying: _____

18.	. Please answer the 3 questions to the right of this box about the following clinical workflow		Is this done routinely?		Is this process computerized?			How easy or difficult is this to do with your current medical record system?			
	tasks for the reporting location.	Yes	No	Yes, Usually	Yes, Sometimes	No	Very easy	Somewhat easy	Somewhat difficult	Very difficult	
Po a.	pulation management: Create a list of patients by particular diagnosis	1□	2□	1□	2□	3□	1□	2□	3□	4□	
b.	Create a list of patients by particular lab result	1□	2□	1□	2□	3□	1□	2□	3□	4□	
c.	Create a list of patients by particular vital signs (e.g., high blood pressure)	1□	2□	1□	2□	3□	1□	2□	3□	4□	
d.	Create a list of patients who are due for tests or preventive care	1	2	1□	2□	3□	1□	2□	3□	4□	
e.	Provide patient reminders for preventive or follow-up care	1□	2□	1□	2□	3□	1□	2□	3□	4□	
Qι f.	Create reports on clinical care measures for patients with specific chronic conditions (e.g., H1AC for diabetic patients)	1□	2□	1□	2□	3□	1□	2□	3□	4□	
g.	Create reports on clinical care measures by patient demographic characteristics (e.g., age, sex, race)	1□	2□	1□	2□	3□	1□	2□	3□	4□	
h.	Submit clinical care measures to public and private insurers (e.g., blood pressure control, H1AC, smoking status)	1□	2	1□	2□	3□	1□	2□	3□	4□	
i.	Provide patients with a clinical summary for each visit	1□	2	1□	2	3□	1□	2□	3□	4□	
	tient communication/access to alth data: Provide patients with a copy of their health information	1□	2□	1□	2□	3 🗆	1□	2□	3□	4□	
k.	Record a patient advanced directive	1□	2□	1□	2□	3□	1□	2□	3□	4□	
Co I.	Receive patient clinical information from other physicians treating your patient (e.g., referral summaries)	1□	2□	1□	2□	3□	1□	2□	3□	4□	
m.	Receive information needed to continue managing a patient post-hospital discharge	1□	2□	1□	2□	3□	1□	2□	3□	4□	
n.	Share patient clinical information with other providers treating your patient	1□	2	1□	2□	3□	1□	2□	3□	4□	

If you <u>do not have an EHR system</u> or <u>are not actively using an EHR system</u> skip to Question 30 (page 7). If you are not sure about your EHR status, please refer to your answer in Question 16.

19.		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.	My EHR reduces transcription costs.	1□	2	3□	4□

20.	This question is about the ways that an EHR system might affect 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□
	 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. Helped you access a patient's chart remotely (e.g., to work from home)?	1□	2□	3□	4□
	Alerted you that you received a patient summary from another provider?	1□	2□	3□	4□
	m. Enhanced overall patient care?	1□	2□	3□	4□

21. To what extent have you experienced the following as a barrier to using 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 during the transition to an EHR system	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. Access to high speed Internet (e.g., broadband, cable)	1□	2□	3□
f. Reliability of the system (e.g., EHR down or unavailable when needed)	1□	2□	3□
g. Templates customized to your specialty or specific patient conditions	1□	2□	3□
h. Resistance of your practice to change work habits	1□	2□	3□

22.	Overall, how satisfied or dissa EHR system?	atisfied are you with your	28.	As a result of implementing an EHR, did you experience any changes in clinical staff (e.g., other MDs, RNs, MAs) at the reporting location?
	1□ Very satisfied			CHECK ALL THAT APPLY.
	2□ Somewhat satisfied			4□ Vec everall elipical staff increased
	3□ Somewhat dissatisfied			 1□ Yes, overall clinical staff increased 2□ Yes, overall clinical staff decreased
	4□ Very dissatisfied			
				3□ Yes, shift in responsibilities among existing staff4□ No clinical staff changes
23.	Would you purchase this EHR	R again?		5□ Uncertain
				5L Officertain
24.	1□ Yes 2□ No In which year did you install y	3□ Uncertain	29.	As a result of implementing an EHR, did you experience any changes in non-clinical/administrative staff at the reporting
				location? CHECK ALL THAT APPLY.
	Year (YYYY):/_/	2□ Unknown		
				1 ☐ Yes, <u>overall</u> administrative staff increased
25.	What is the name of your curr	ent EHR system?		2□ Yes, <u>overall</u> administrative staff decreased
	CHECK ALL THAT AF	•		3□ Yes, shift in responsibilities among existing staff
	CHECK ALL THAT AF	TEI.		4□ No administrative staff changes
1□	Allscripts 2□ Cerner	3□ eClinicalWorks		5□ Uncertain
	Epic 5□ GE/Centric		30.	Over the last year, has revenue generated at the
	McKesson/ 8□ NextGen Practice Partner	9□ Sage/Vitera		reporting location increased, decreased, or stayed about the same?
10□	Other, specify	11□ Unknown		•
				1☐ Revenue increased (Go to 30a)
26.	Does your current system me	et meaningful use criteria		2□ Revenue decreased (Go to 30a)
	as defined by the Centers for			3□ Revenue stayed about the same (Go to 30a)
	Services (CMS)?			4□ Uncertain (Skip to 31)
	1□ Yes (Skip to 27)			30a. Was this, in part, due to the EHR?
	2□ No (Go to 26a)			
	3□ Uncertain (Go to 26a)			1□ Yes
		_		2□ No
	26a. Are there plans to upgra			3☐ Uncertain
	meaningful use criteria?	•		4□ Not Applicable
	1□ Yes, already upgrad	ed	31.	Can patients seen at the reporting location do
	2□ Yes, plan to upgrade		"	any of the following online activities? CHECK
	3□ No	•		ALL THAT APPLY.
	4□ Uncertain			
	4L Choortain			1□ View test results online
27.	How many hours, on average	did you spend in ongoing		2□ Request referrals online
	training over the past year to			3☐ Request refills for prescriptions online
	. ,			4☐ Request appointments online
	1□ 1 to 8 hours 2□ 9 to 40	hours 3□ 41 to 80 hours		5☐ My patients cannot do any of the above activities
	4□ Over 80 hours 5□ Did not	t receive ongoing training		6□ Uncertain
32. I	Did your reporting location nee	ed assistance with any of th	e foll	owing? CHECK ALL THAT APPLY.
	1□ EHR selection	-	4□	Other:
	2□ EHP implementation			Uncertain if assistance was needed
	2☐ EHR implementation			
	3□ EHR system training		υП	No assistance was needed

33.	Did yo	ur reporting	location	receive	assistance in	selecting a	n EHR System?
-----	--------	--------------	----------	---------	---------------	-------------	---------------

1□ Yes **↓**

2□ No (Skip to 34)

3□ Uncertain (Skip to 34)

If yes, who provided this assistance?	How satisfied or dissatisfied were you?				
(Select all that apply)	Very Satisfied	Somewhat Satisfied	Somewhat Dissatisfied	Very Dissatisfied	
□ EHR vendor	1□	2□	3□	4□	
☐ Regional extension center →	1□	2□	3□	4□	
☐ Consulting company →	1□	2□	3□	4□	
□ Other: →	1□	2□	3□	4□	

34. Did your reporting location receive assistance in implementing an EHR System?

1□ Yes **Ψ**

2□ No (Skip to 35)

3□ Uncertain (Skip to 35)

If yes, who provided this assistance?	How satisfied or dissatisfied were you?			
(Select all that apply)	Very Satisfied	Somewhat Satisfied	Somewhat Dissatisfied	Very Dissatisfied
☐ EHR vendor →	1□	2□	3□	4□
☐ Regional extension center →	1□	2□	3□	4□
☐ Consulting company →	1□	2□	3□	4□
□ Other: →	1 🗆	2□	3□	4□

35. Did your reporting location receive assistance with training its staff in using your EHR System?

1□ Yes **↓**

2□ No (Skip to 36)

3□ Uncertain (Skip to 36)

If yes, who provided this assistance? (Select all that apply)		How satisfied or dissatisfied were you?			
		y ied	Somewhat Satisfied	Somewhat Dissatisfied	Very Dissatisfied
☐ EHR vendor	1□		2□	3□	4□
☐ Regional extension center →	1□		2□	3□	4□
☐ Consulting company →	1□		2□	3□	4□
□ Other: →	1□		2□	3□	4□

36.	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

37.	What is a reliable E-mail address for the physician to
	whom this survey was mailed?

@

38. Who completed this survey?

1□ The physician to whom it was addressed

2□ Office staff

3□ Other

Please add your comments in the box below.

Thank you for your participation. Please return your survey in the envelope provided. If you have misplaced this envelope, please send this survey to the following address: 2605 Meridian Parkway, Suite 200, Durham, NC 27713

Boxes for Admin Use						