

January 13, 2012

Question number from 2011 NAMCS Workflow supplement	Variable Name	Variable Label	C or N	Length	Values for variable range and labels
	PHYID	Physician ID	N	5	80000-90302='Valid range for live data collection'
	SURVER	Survey Version	N	2	1='Nonadopter Survey' 2='Adopter Survey'
ADOPTER ONLY VARIABLES					
a - Q1	IMPVER	Verification of EHR Implementation status	N	2	1='EHR Implemented' 2='EHR Implementation in process' -9='Blank'
a - Q2	EHRSAT	Overall EHR Satisfaction	N	2	1='Very satisfied' 2='Somewhat satisfied' 3='Somewhat dissatisfied' 4='Very dissatisfied' -9='Blank'
a - Q3	PURAGA	Purchase EHR again	N	2	1='Yes' 2='No' -9='Blank'
a - Q5	EHRUNDERYR	Under one year any EHR system use	N	1	0='Box is not marked' 1='Box is marked'
a - Q5	EHRUSEYRCT	Estimate the approximate number of years you have used any EHR system	N	2	0-20='Valid range' -9='Blank'
a - Q6	EHRSYS	EHR System type	N	2	1='Stand alone' 2='Web-based design' -9='Blank'
a - Q7	CMSMU	Does your current system meet meaningful use criteria defined by CMS?	N	2	1='Yes' 2='No' 3='Uncertain' -9='Blank'

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a -Q12a	ALRTRX	Has use of an EHR in your practice led to being alerted to a potential medication error?	N	2	1='Yes, within 30 days' 2='Yes, not in past 30 days' 3='No' 5=' More than 1 box checked' 6='Yes (both yes boxes checked)' -7 =Not applicable -9='Blank'
a - Q12b	ALRTLAB	Has use of an EHR in your practice led to being alerted electronically to critical lab values?	N	2	1='Yes, within 30 days' 2='Yes, not in past 30 days' 3='No' 5=' More than 1 box checked' 6='Yes (both yes boxes checked)' -7 =Not applicable -9='Blank'
a - Q12c	ALRTPREV	Has use of an EHR in your practice led to being reminded to provide preventive care (e.g., vaccine, cancer screening)?	N	2	1='Yes, within 30 days' 2='Yes, not in past 30 days' 3='No' 5=' More than 1 box checked' 6='Yes (both yes boxes checked)' -7 =Not applicable -9='Blank'
a - Q12d	ALRTCLN	Has use of an EHR in your practice led to being reminded to provide care that meets clinical guidelines for patients with chronic conditions?	N	2	1='Yes, within 30 days' 2='Yes, not in past 30 days' 3='No' 5=' More than 1 box checked' 6='Yes (both yes boxes checked)' -7 =Not applicable -9='Blank'

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a - Q12e	IDLAB	Has use of an EHR in your practice led to ordering needed lab tests (such as HbA1C or LDL)?	N	2	1='Yes, within 30 days' 2='Yes, not in past 30 days' 3='No' 5=' More than 1 box checked' 6='Yes (both yes boxes checked)' -7 =Not applicable -9='Blank'
a - Q12f	FEWRTEST	Has use of an EHR in your practice led to ordering fewer tests due to better availability of lab results?	N	2	1='Yes, within 30 days' 2='Yes, not in past 30 days' 3='No' 5=' More than 1 box checked' 6='Yes (both yes boxes checked)' -7 =Not applicable -9='Blank'
a - Q12g	FORMRX	Has use of an EHR in your practice led to prescribing on-formulary drugs rather than off-formulary drugs?	N	2	1='Yes, within 30 days' 2='Yes, not in past 30 days' 3='No' 5=' More than 1 box checked' 6='Yes (both yes boxes checked)' -7 =Not applicable -9='Blank'
a - Q12h	PTEMAIL	Has use of an EHR in your practice led to communicating directly with a patient via email or secure messaging?	N	2	1='Yes, within 30 days' 2='Yes, not in past 30 days' 3='No' 5=' More than 1 box checked' 6='Yes (both yes boxes checked)' -7 =Not applicable -9='Blank'

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a - Q12i	REMOTE	Has use of an EHR in your practice led to accessing a patient's chart electronically to work remotely (e.g., from home)?	N	2	1='Yes, within 30 days' 2='Yes, not in past 30 days' 3='No' 5=' More than 1 box checked' 6='Yes (both yes boxes checked)' -7 =Not applicable -9='Blank'
a - Q12j	PTCARE	Overall, has use of your EHR system enhanced patient care?	N	2	1='Yes, within 30 days' 2='Yes, not in past 30 days' 3='No' 5=' More than 1 box checked' 6='Yes (both yes boxes checked)' -7 =Not applicable -9='Blank'
a - Q13a	EZBILLREC	How easy or difficult is the EHR function for electronic billing?	N	2	1='Very Easy' 2='Easy' 3='Difficult' 4='Very Difficult' -7='Not applicable' -9='Blank'
a - Q13b	EZPROLST	How easy or difficult is the EHR function for recording patient problem list?	N	2	1='Very Easy' 2='Easy' 3='Difficult' 4='Very Difficult' -7='Not applicable' -9='Blank'
a - Q13c	EZPNOTES	How easy or difficult is the EHR function for recording clinic notes?	N	2	1='Very Easy' 2='Easy' 3='Difficult' 4='Very Difficult' -7='Not applicable' -9='Blank'

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Question number from 2011 NAMCS Workflow supplement	Variable Name	Variable Label	C or N	Length	Values for variable range and labels
a - Q13d	EZMEDALG	How easy or difficult is the EHR function for recording a comprehensive list of the patient's medication and allergies?	N	2	1='Very Easy' 2='Easy' 3='Difficult' 4='Very Difficult' -7='Not applicable' -9='Blank'
a - Q13e	EZSCRIP	How easy or difficult is the EHR function for ordering prescriptions electronically (sending a prescription directly to a pharmacy at the point of care)?	N	2	1='Very Easy' 2='Easy' 3='Difficult' 4='Very Difficult' -7='Not applicable' -9='Blank'
a - Q13f	EZWARN	How easy or difficult is the EHR function for clinical decision support (e.g., alerts for drug interactions or contraindications)	N	2	1='Very Easy' 2='Easy' 3='Difficult' 4='Very Difficult' -7='Not applicable' -9='Blank'
a - Q13g	EZREMIND	How easy or difficult is the EHR function for Providing reminders for guideline-based interventions or screening tests	N	2	1='Very Easy' 2='Easy' 3='Difficult' 4='Very Difficult' -7='Not applicable' -9='Blank'
a - Q13h	EZORDER	How easy or difficult is the EHR function for ordering lab tests electronically at point-of-care?	N	2	1='Very Easy' 2='Easy' 3='Difficult' 4='Very Difficult' -7='Not applicable' -9='Blank'

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a - Q13i	EZSETS	How easy or difficult is the EHR function for providing standard order sets related to a particular condition or procedure?	N	2	1='Very Easy' 2='Easy' 3='Difficult' 4='Very Difficult' -7='Not applicable' -9='Blank'
a - Q13j	EZRESULT	How easy or difficult is the EHR function for viewing lab results?	N	2	1='Very Easy' 2='Easy' 3='Difficult' 4='Very Difficult' -7='Not applicable' -9='Blank'
a - Q13k	EZIMGRES	How easy or difficult is the EHR function for viewing imaging reports?	N	2	1='Very Easy' 2='Easy' 3='Difficult' 4='Very Difficult' -7='Not applicable' -9='Blank'
a - Q13l	EZQOC	How easy or difficult is the EHR function for viewing data on quality of care measures	N	2	1='Very Easy' 2='Easy' 3='Difficult' 4='Very Difficult' -7='Not applicable' -9='Blank'
a - Q13m	EZXSUM	How easy or difficult is the EHR function for exchanging patient clinical summaries with other providers?	N	2	1='Very Easy' 2='Easy' 3='Difficult' 4='Very Difficult' -7='Not applicable' -9='Blank'

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a - Q13n	EZPUBHLTH	How easy or difficult is the EHR function for public health reporting?	N	2	1='Very Easy' 2='Easy' 3='Difficult' 4='Very Difficult' -7='Not applicable' -9='Blank'
a - Q13o	EZCSUM	How easy or difficult is the EHR function for providing patients with clinical summaries for each visit?	N	2	1='Very Easy' 2='Easy' 3='Difficult' 4='Very Difficult' -7='Not applicable' -9='Blank'
a - Q13p	EZMSG	How easy or difficult is the EHR function for exchanging secure messages with patients?	N	2	1='Very Easy' 2='Easy' 3='Difficult' 4='Very Difficult' -7='Not applicable' -9='Blank'
a - Q16	COSTANN	Estimated annual per physician maintenance cost	N	2	1='Under \$4,000' 2='\$4,000 to \$5,999' 3='\$6,000 to \$7,999' 4='\$8,000 to \$9,999' 5='\$10,000 to \$11,999' 6='12,000 and over' -9='Blank'
a - Q17	TRAINCL	Average hours clinical staff spent in training to implement EHR system?	N	2	1='1-8 hours' 2='9-40 hours' 3='41 to 80 hours' 4='Over 80 hours' 5='Did not receive training' -9='Blank'

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a - Q18	TRAINNC	Average hours non-clinical staff spent in training to implement EHR system?	N	2	1='1-8 hours' 2='9-40 hours' 3='41 to 80 hours' 4='Over 80 hours' 5='Did not receive training' -9='Blank'
a - Q19	PRODADV	Did implementing an EHR system adversely affect your productivity?	N	2	1='Yes' 2='No' -9='Blank'
a - Q19a	PRODLONG	How long did it take your practice to overcome any productivity challenges?	N	1	1='within 1 month' 2='>1 to 3 months' 3='>3 to 6 months' 4='>6 to 12 months' 5='>12 to 24 months' 6='Over 24 months' 7='Not yet returned to pre-EHR productivity levels' -7='Not applicable' -9='Blank'
a - 20	VENDASS	Did you receive help from EHR vendors in analyzing your practice workflow?	N	2	1='Yes' 2='No' -9='Blank'
a - Q20a	VENDSAT	Satisfaction with EHR VENDOR help	N	2	1='Very satisfied' 2='Somewhat satisfied' 3='Somewhat dissatisfied' 4='Very dissatisfied' -7='Not applicable' -9='Blank'
a - Q21	RECASS	Did you receive help from regional extension centers in analyzing your practice workflow?	N	2	1='Yes' 2='No' -9='Blank'

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a - Q21a	RECSAT	Satisfaction with RECs help	N	2	1='Very satisfied' 2='Somewhat satisfied' 3='Somewhat dissatisfied' 4='Very dissatisfied' -7='Not applicable' -9='Blank'
NONADOPTER ONLY VARIABLES					
na - Q1	ADOPTVER	Verification of EHR Adoption status	N	2	1='Do not intend to purchase an EHR system within 12 months' 2='Deciding on whether or not to purchase an EHR system within 12 months' 3='Intend to purchase an EHR system in the next 12 months but have not begun the selection process' 4='In the process of selecting an EHR system' 5='Purchased but not yet using an EHR system' 6='Purchased and are using an EHR system' -9='Blank'
na - Q2	EHREVER	Ever used any EHR system?	N	2	1='Yes' 2='No' -9='Blank'
na - Q6a	AALRTRX	How likely do you think an EHR system would alert you to potential medication errors?	N	2	1='Very likely' 2='Somewhat likely' 3='Not at all likely' -7='Not applicable' -9='Blank'

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Question number from 2011 NAMCS Workflow supplement	Variable Name	Variable Label	C or N	Length	Values for variable range and labels
na - Q6b	AALRTLAB	How likely do you think an EHR system would alert you to critical lab values?	N	2	1='Very likely' 2='Somewhat likely' 3='Not at all likely' -7='Not applicable' -9='Blank'
na - Q6c	AALRTPREV	How likely do you think an EHR system would remind you to provide preventive care (e.g., vaccine, cancer screening)?	N	2	1='Very likely' 2='Somewhat likely' 3='Not at all likely' -7='Not applicable' -9='Blank'
na - Q6d	AALRTCLN	How likely do you think an EHR system would remind you to provide care that meets clinical guidelines for patients with chronic conditions?	N	2	1='Very likely' 2='Somewhat likely' 3='Not at all likely' -7='Not applicable' -9='Blank'
na - Q6e	AIDLAB	How likely do you think an EHR system would help you identify needed lab tests (such as Hba - Q1c or LDL)?	N	2	1='Very likely' 2='Somewhat likely' 3='Not at all likely' -7='Not applicable' -9='Blank'
na - Q6f	AFEWRTEST	How likely do you think an EHR system would help you order fewer tests due to better availability of lab results?	N	2	1='Very likely' 2='Somewhat likely' 3='Not at all likely' -7='Not applicable' -9='Blank'
na - Q6g	AFORMRX	How likely do you think an EHR system would help you order on-formulary drugs rather than off-formulary drugs?	N	2	1='Very likely' 2='Somewhat likely' 3='Not at all likely' -7='Not applicable' -9='Blank'

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na - Q6h	APTEMAIL	How likely do you think an EHR system would facilitate direct communication with a patient?	N	2	1='Very likely' 2='Somewhat likely' 3='Not at all likely' -7='Not applicable' -9='Blank'
na - Q6i	AREMOTE	How likely do you think an EHR system would help you access a patient's chart remotely?	N	2	1='Very likely' 2='Somewhat likely' 3='Not at all likely' -7='Not applicable' -9='Blank'
na - Q6j	APTCARE	Overall, how likely do you think an EHR system would enhance patient care?	N	2	1='Very likely' 2='Somewhat likely' 3='Not at all likely' -7='Not applicable' -9='Blank'
na - Q7a	EVBILLREC	How important is the EHR function for electronic billing?	N	2	1='Very Important' 2='Somewhat Important' 3='Not Important' -9='Blank'
na - Q7a	MAXBILLREC	IMPORTANT FEATURE electronic billing	N	1	0='Box is not marked' 1='Box is marked'
na - Q7b	EVPROLST	How important is the EHR function for recording patient problem list?	N	2	1='Very Important' 2='Somewhat Important' 3='Not Important' -9='Blank'
na - Q7b	MAXPROLST	IMPORTANT FEATURE recording patient problem list?	N	1	0='Box is not marked' 1='Box is marked'
na - Q7c	EVPNOTES	How important is the EHR function for recording clinic notes?	N	2	1='Very Important' 2='Somewhat Important' 3='Not Important' -9='Blank'

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na - Q7c	MAXPNOTES	IMPORTANT FEATURE recording clinic notes?	N	1	0='Box is not marked' 1='Box is marked'
na - Q7d	EVMEDALG	How important is the EHR function for recording a comprehensive list of the patient's medication and allergies?	N	2	1='Very Important' 2='Somewhat Important' 3='Not Important' -9='Blank'
na - Q7d	MAXMEDALG	IMPORTANT FEATURE recording a comprehensive list of the patient's medication and allergies?	N	1	0='Box is not marked' 1='Box is marked'
na - Q7e	EVSCRIP	How important is the EHR function for ordering prescriptions electronically (sending a prescription directly to a pharmacy at the point of care)?	N	2	1='Very Important' 2='Somewhat Important' 3='Not Important' -9='Blank'
na - Q7e	MAXSCRIP	IMPORTANT FEATURE ordering prescriptions electronically (sending a prescription directly to a pharmacy at the point of care)	N	1	0='Box is not marked' 1='Box is marked'
na - Q7f	EVWARN	How important is the EHR function for Clinical decision support (e.g., alerts for drug interactions or contraindications)	N	2	1='Very Important' 2='Somewhat Important' 3='Not Important' -9='Blank'
na - Q7f	MAXWARN	IMPORTANT FEATURE Clinical decision support (e.g., alerts for drug interactions or contraindications)	N	1	0='Box is not marked' 1='Box is marked'
na - Q7g	EVREMIND	How important is the EHR function for Providing reminders for guideline-based interventions or screening tests	N	2	1='Very Important' 2='Somewhat Important' 3='Not Important' -9='Blank'
na - Q7g	MAXREMIND	IMPORTANT FEATURE Providing reminders for guideline-based interventions or screening tests	N	1	0='Box is not marked' 1='Box is marked'

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na - Q7h	EVORDER	How important is the EHR function for ordering lab tests electronically at point-of-care?	N	2	1='Very Important' 2='Somewhat Important' 3='Not Important' -9='Blank'
na - Q7h	MAXORDER	IMPORTANT FEATURE ordering lab tests electronically at point-of-care?	N	1	0='Box is not marked' 1='Box is marked'
na - Q7i	EVSETS	How important is the EHR function for providing standard order sets related to a particular condition or procedure?	N	2	1='Very Important' 2='Somewhat Important' 3='Not Important' -9='Blank'
na - Q7i	MAXSETS	IMPORTANT FEATURE providing standard order sets related to a particular condition or procedure?	N	1	0='Box is not marked' 1='Box is marked'
na - Q7j	EVRESULT	How important is the EHR function for viewing lab results?	N	2	1='Very Important' 2='Somewhat Important' 3='Not Important' -9='Blank'
na - Q7j	MAXRESULT	IMPORTANT FEATURE viewing lab results?	N	1	0='Box is not marked' 1='Box is marked'
na - Q7k	EVIMGRES	How important is the EHR function for viewing imaging reports?	N	2	1='Very Important' 2='Somewhat Important' 3='Not Important' -9='Blank'
na - Q7k	MAXIMGRES	IMPORTANT FEATURE viewing imaging reports?	N	1	0='Box is not marked' 1='Box is marked'
na - Q7l	EVQOC	How important is the EHR function for viewing data on quality of care measures	N	2	1='Very Important' 2='Somewhat Important' 3='Not Important' -9='Blank'

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na - Q7l	MAXQOC	IMPORTANT FEATURE viewing data on quality of care measures	N	1	0='Box is not marked' 1='Box is marked'
na - Q7m	EVXSUM	How important is the EHR function for exchanging patient clinical summaries with other providers?	N	2	1='Very Important' 2='Somewhat Important' 3='Not Important' -9='Blank'
na - Q7m	MAXXSUM	IMPORTANT FEATURE exchanging patient clinical summaries with other providers?	N	1	0='Box is not marked' 1='Box is marked'
na - Q7n	EVPUHLTH	How important is the EHR function for public health reporting?	N	2	1='Very Important' 2='Somewhat Important' 3='Not Important' -9='Blank'
na - Q7n	MAXPUBHLTH	IMPORTANT FEATURE public health reporting	N	1	0='Box is not marked' 1='Box is marked'
na - Q7o	EVCSUM	How important is the EHR function for providing patients with clinical summaries for each visit?	N	2	1='Very Important' 2='Somewhat Important' 3='Not Important' -9='Blank'
na - Q7o	MAXCSUM	IMPORTANT FEATURE providing patients with clinical summaries for each visit	N	1	0='Box is not marked' 1='Box is marked'
na - Q7p	EVMSG	How important is the EHR function for exchanging secure messages with patients?	N	2	1='Very Important' 2='Somewhat Important' 3='Not Important' -9='Blank'
na - Q7p	MAXMSG	IMPORTANT FEATURE exchanging secure messages with patients	N	1	0='Box is not marked' 1='Box is marked'
Derived na - Q7a to Q7p	MAXFEAT	3 Important FEATURES	C	16	Other='Entry made' -9='Blank'

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Question number from 2011 NAMCS Workflow supplement	Variable Name	Variable Label	C or N	Length	Values for variable range and labels
Derived na - Q7a to Q7p	CTMAXFEAT	Count of MAXFEAT	N	2	Other='Entry made' -9='Blank'
na - Q9	PUREHRINYR	Do you plan on purchasing an EHR in the next 12 months?	N	2	1='Yes' 2='No' -9='Blank'
na - Q10	IMCAREPEN	Are you familiar with the proposed Medicare financial penalties for not using an EHR beginning in 2015?	N	2	1='Yes' 2='No' -9='Blank'
NONADOPTER AND ADOPTER VARIABLES					
na - Q2a; a - Q4;	EHRYSCT	How many EHR systems have you used?	N	2	0-99='Valid range' -7 = 'Not applicable' -9='Blank'
na - Q3a; a - Q8a	BARCONS	Reaching consensus within the practice to select an EHR as barrier	N	2	1='Major barrier' 2='Minor barrier' 3='Not a barrier' -9='Blank'
na - Q3b; a - Q8b	BARFIND	Finding an EHR that meets practice needs as barrier	N	2	1='Major barrier' 2='Minor barrier' 3='Not a barrier' -9='Blank'
na - Q3c; a - Q8c	BAREFF	Effort needed to select EHR as barrier	N	2	1='Major barrier' 2='Minor barrier' 3='Not a barrier' -9='Blank'
na - Q3d; a - Q8d	BARPUR	EHR purchase cost as barrier	N	2	1='Major barrier' 2='Minor barrier' 3='Not a barrier' -9='Blank'

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na - Q3e; a - Q8e	BARFINA	Ability to secure financing as barrier	N	2	1='Major barrier' 2='Minor barrier' 3='Not a barrier' -9='Blank'
na - Q3f; a - Q8f	BARANN	Annual EHR maintenance cost as barrier	N	2	1='Major barrier' 2='Minor barrier' 3='Not a barrier' -9='Blank'
na - Q3g; a - Q8g	BARPROD	Loss of productivity during transition as barrier	N	2	1='Major barrier' 2='Minor barrier' 3='Not a barrier' -9='Blank'
na - Q3h; a - Q8h	BARTRAIN	Adequacy of training for staff and physician as barrier	N	2	1='Major barrier' 2='Minor barrier' 3='Not a barrier' -9='Blank'
na - Q3i; a - Q8i	BARTECH	Adequacy of EHR technical support as barrier	N	2	1='Major barrier' 2='Minor barrier' 3='Not a barrier' -9='Blank'
na - Q3j; a - Q8j	BARNET	Internet access as barrier	N	2	1='Major barrier' 2='Minor barrier' 3='Not a barrier' -9='Blank'
na - Q3k; a - Q8k	BARRELI	Reliability of EHR system as barrier	N	2	1='Major barrier' 2='Minor barrier' 3='Not a barrier' -9='Blank'
na - Q3l; a - Q8l	BARRSST	Resistance to change work habits as barrier	N	2	1='Major barrier' 2='Minor barrier' 3='Not a barrier' -9='Blank'

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na - Q4a; a - Q9a	PRACTEF	Overall, my practice has functioned (would function) more efficiently.	N	2	1='Strongly agree' 2='Somewhat agree' 3='Somewhat disagree' 4='Strongly disagree' -9='Blank'
na - Q4b; a - Q9b	TIMEREV	Amount of time spent to plan review order and document care has increased (would increase).	N	2	1='Strongly agree' 2='Somewhat agree' 3='Somewhat disagree' 4='Strongly disagree' -9='Blank'
na - Q4c; a - Q9c	TIMERXC	Amount of time spent responding to pharmacy calls increased (would increase)	N	2	1='Strongly agree' 2='Somewhat agree' 3='Somewhat disagree' 4='Strongly disagree' -9='Blank'
na - Q4d; a - Q9d	ERXTIME	Sending prescriptions electronically saves (would save) me time	N	2	1='Strongly agree' 2='Somewhat agree' 3='Somewhat disagree' 4='Strongly disagree' -9='Blank'
na - Q4e; a - Q9e	OVISINC	The number of weekly office visits increased (would increase)	N	2	1='Strongly agree' 2='Somewhat agree' 3='Somewhat disagree' 4='Strongly disagree' -9='Blank'
na - Q4f; a - Q9f	FASTLAB	My practice receives (would receive) lab results faster	N	2	1='Strongly agree' 2='Somewhat agree' 3='Somewhat disagree' 4='Strongly disagree' -9='Blank'

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na - Q4g; a - Q9g	PAPRSAV	My practice saves (would save) on costs associated with managing & storing paper records	N	2	1='Strongly agree' 2='Somewhat agree' 3='Somewhat disagree' 4='Strongly disagree' -9='Blank'
na - Q4h; a - Q9h	BILLESS	Billing for services is (would be) less complete	N	2	1='Strongly agree' 2='Somewhat agree' 3='Somewhat disagree' 4='Strongly disagree' -9='Blank'
na - Q4i; a - Q9i	FINABEN	My (An) EHR produces (would produce) financial benefits for my practice	N	2	1='Strongly agree' 2='Somewhat agree' 3='Somewhat disagree' 4='Strongly disagree' -9='Blank'
na - Q4j; a - Q9j	CLINBEN	My (An) EHR produces (would produce) clinical benefits for my practice	N	2	1='Strongly agree' 2='Somewhat agree' 3='Somewhat disagree' 4='Strongly disagree' -9='Blank'
na - Q4k; a - Q9k	EHRCARE	My (An) EHR allows (would allow) me to deliver better patient care	N	2	1='Strongly agree' 2='Somewhat agree' 3='Somewhat disagree' 4='Strongly disagree' -9='Blank'
na - Q4l; a - Q9l	RECAVAIL	My (An) EHR makes (would make) records more readily available at the point-of-care	N	2	1='Strongly agree' 2='Somewhat agree' 3='Somewhat disagree' 4='Strongly disagree' -9='Blank'

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na - Q4m; a - Q9m	EHRDISRPT	My (An) EHR disrupts (would disrupt) the way I interact with patients.	N	2	1='Strongly agree' 2='Somewhat agree' 3='Somewhat disagree' 4='Strongly disagree' -9='Blank'
na - Q4n; a - Q9n	RECRUIT	My (An) EHR is (would be) an asset when recruiting physicians to join the practice	N	2	1='Strongly agree' 2='Somewhat agree' 3='Somewhat disagree' 4='Strongly disagree' -9='Blank'
na - Q4o; a - Q9o	DATACON	My (An) EHR enhances (would enhance) data confidentiality	N	2	1='Strongly agree' 2='Somewhat agree' 3='Somewhat disagree' 4='Strongly disagree' -9='Blank'
na - Q5a; a - Q11a	EGOVPAY	Government incentive payments for EHR use	N	2	1='Major influence to adopt' 2='Minor influence to adopt' 3='Not an influence to adopt' -9='Blank'
na - Q5b; a - Q11b	EFINAPEN	Proposed financial penalties for not using an EHR	N	2	1='Major influence to adopt' 2='Minor influence to adopt' 3='Not an influence to adopt' -9='Blank'
na - Q5c; a - Q11c	EPRODAVA	Availability of government certified products	N	2	1='Major influence to adopt' 2='Minor influence to adopt' 3='Not an influence to adopt' -9='Blank'
na - Q5d; a - Q11d	ESELASS	Assistance with selecting an EHR system	N	2	1='Major influence to adopt' 2='Minor influence to adopt' 3='Not an influence to adopt' -9='Blank'

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Question number from 2011 NAMCS Workflow supplement	Variable Name	Variable Label	C or N	Length	Values for variable range and labels
na - Q5e; a - Q11e	ETECHASS	Technical assistance w/ EHR implementation in your practice	N	2	1='Major influence to adopt' 2='Minor influence to adopt' 3='Not an influence to adopt' -9='Blank'
na - Q5f; a - Q11f	ECOLLEAG	EHR systems being used by trusted colleagues	N	2	1='Major influence to adopt' 2='Minor influence to adopt' 3='Not an influence to adopt' -9='Blank'
na - Q5g; a - Q11g	ECAPHIE	Capability of exchanging information electronically within your referral network	N	2	1='Major influence to adopt' 2='Minor influence to adopt' 3='Not an influence to adopt' -9='Blank'
na - Q5h; a - Q11h	EREQBC	Requirement to use EHR for maintenance of board certification	N	2	1='Major influence to adopt' 2='Minor influence to adopt' 3='Not an influence to adopt' -9='Blank'
na - Q8a; a - Q10a	IPAYMCARE	Incentive payment program for the meaningful use of EHRs for Medicare providers	N	2	1='Not Familiar with program' 2='Familiar, but do not participate' 3='Familiar and plan to participate' 4= 'Participate in program' -9='Blank'
na - Q8b; a - Q10b	IPAYMCAID	Incentive payment program for the meaningful use of EHRs for Medicaid providers	N	2	1='Not Familiar with program' 2='Familiar, but do not participate' 3='Familiar and plan to participate' 4= 'Participate in program' -9='Blank'
na - Q8c; a - Q10c	IRECASS	Regional extension centers assist with EHR implementation and use	N	2	1='Not Familiar with program' 2='Familiar, but do not participate' 3='Familiar and plan to participate' 4= 'Participate in program' -9='Blank'

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Question number from 2011 NAMCS Workflow supplement	Variable Name	Variable Label	C or N	Length	Values for variable range and labels
na - Q9a (1); a - Q14(1)	PURCASH	Finance EHR purchase- Cash or operating expense	N	1	0='Box is not marked' 1='Box is marked'
na - Q9a (2); a - Q14(2)	PURLOAN	Finance EHR purchase- Commercial bank loan	N	1	0='Box is not marked' 1='Box is marked'
na - Q9a (3); a - Q14(3)	PURGTLOC	Finance EHR purchase- Local grants	N	1	0='Box is not marked' 1='Box is marked'
na - Q9a(4); a - Q14(4)	PURGTST	Finance EHR purchase- State grants	N	1	0='Box is not marked' 1='Box is marked'
na - Q9a(5); a - Q14(5)	PURGTFED	Finance EHR purchase- Federal grants	N	1	0='Box is not marked' 1='Box is marked'
na - Q9a(6); a - Q14(6)	PURGTFND	Finance EHR purchase- Foundation grants	N	1	0='Box is not marked' 1='Box is marked'
na - Q9a(7); a - Q14(7)	PURSUBSI	Finance EHR purchase- Hospital or plan subsidized EHR	N	1	0='Box is not marked' 1='Box is marked'
na - Q9a (8); a - Q14(8)	PURINCEN	Finance EHR purchase- Government Incentives	N	1	0='Box is not marked' 1='Box is marked'
na - Q9a(9); a - Q14(9)	PUROTH	Finance EHR purchase- Other (specify)	N	1	0='Box is not marked' 1='Box is marked'
na - Q9a(9); a - Q14(9)	PUROTHNAME	Finance EHR purchase- Other (specify)	C	30	Other='Entry made' -9='Blank'

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Question number from 2011 NAMCS Workflow supplement	Variable Name	Variable Label	C or N	Length	Values for variable range and labels
na - Q11;a - Q15	COSTPUR	Estimated per physician EHR purchase cost	N	2	1='Under \$10,000' 2='\$10,000 to \$19,999' 3='\$20,000 to \$29,999' 4='\$30,000 to \$39,999' 5='\$40,000 to \$49,999' 6='\$50,000 to \$59,999' 7='\$60,000 and over' -9='Blank'
na - Q12;a - Q22	CTFTERN	How many of nurses (RN/LPN) work at this location? (FTE)?	N	2	0-99='Valid range' -9='Blank'
na - Q12;a - Q22	CTFTEMA	How many of Medical Assistants (MA) work at this location? (FTE)	N	2	0-99='Valid range' -9='Blank'
na - Q12;a - Q22	CTFTEADM	How many of administrative staff work at this location? (FTE)?	N	2	0-99='Valid range' -9='Blank'
na - Q12;a - Q22	CTFTEIT	How many IT staff work at this location? (FTE)?	N	2	0-99='Valid range' -9='Blank'
na - Q12;a - Q22	CTFTEO	How many other types of staff work at this location (FTE)	N	2	0-99='Valid range' -9='Blank'
na - Q13;a - Q23	EZTECH	Overall, how easy or difficult is it for you to use new technology?	N	2	1='Very difficult' 2='Somewhat difficult' 3='Neither difficult nor easy' 4='Somewhat easy' 5='Very easy' -9='Blank'
na - Q14;a - Q24	PRACTYR	Year completed residency/fellowship	N	4	1920-2011 = 'valid range' -9 = 'Blank'
na - Q15(1);a - Q25(1)	PRVWHITE	White	N	1	0='Box is not marked' 1='Box is marked'
na - Q15(2);a - Q25(2)	PRVBLACK	Black	N	1	0='Box is not marked' 1='Box is marked'

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Question number from 2011 NAMCS Workflow supplement	Variable Name	Variable Label	C or N	Length	Values for variable range and labels
na - Q15(3);a - Q25(3)	PRVASIAN	Asian	N	1	0='Box is not marked' 1='Box is marked'
na - Q15(4);a - Q25(4)	PRVNHOP	Native Hawaiian/ Pacific Islander	N	1	0='Box is not marked' 1='Box is marked'
na - Q15(5);a - Q25(5)	PRVAIAN	American Indian/ Alaskan Native	N	1	0='Box is not marked' 1='Box is marked'
na - Derived f;A - Deri	PRVRACE	Single provider race	N	1	1='White only' 2='Black only' 3='Asian only' 4='Native Hawaiian/Other Pacific Islander' 5='American Indian/Alaska Native ' 6='Two or more races' -9='Blank'
na - Q16;a - Q26	PHISPANIC	Physician ethnicity	N	2	1='Hispanic' 2='Not Hispanic' -9='Blank'
na - Q17; a - Q27	WCOMPWFS	Who completed the form	N	2	1='Sampled physician' 2='Office staff' 3='Other' -9='Blank'
VARIABLES					
Admin box 1	DATECOMPWF	Date Survey was either completed over the phone or returned to SRA	C	10	04/01/2011-12/31/2011='Valid range'
Admin box 2	COMPTYPEWF	How survey was completed	N	2	1='Mail' 2='Telephone' -7='N/A'
Admin box 3	CAPTURBYWF	Initials of the staff member who captured the survey via phone	C	3	Other='Entry made' -9 ='Blank'

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Question number from 2011 NAMCS Workflow supplement	Variable Name	Variable Label	C or N	Length	Values for variable range and labels
Admin box 4	EDITEDBYWF	Initials of the staff member who edited the survey	C	3	Other='Entry made' -9 ='Blank'
Keyed	KeyedByWF	Initials of the staff member who performed the first key of the survey	C	3	Other='Entry made' -9 ='Blank'
Keyed1	STATUSDTWF	Date the DISPEMR status was assigned	C	10	
Keyed2	WAVECOMPWF	Survey was completed during which wave	N	1	1='1st mailing' 2='2nd mailing' 3='3rd mailing' 4='Survey completed over the phone' 5='There is no data for this respondent' 6='Late-arrived surveys'
Keyed3	INSTAT1	Disposition of WF Mail Survey	N	2	1 = 'Complete via Mail' 2 = 'Complete via Phone' 3 = 'Partial via Phone' 4 = 'Partial via Mail' 5 = 'Hard Refusal Mail' 6 = 'Hard Refusal Phone' 9= 'Incomplete Mail' 10 = 'Incomplete Phone' 11 = 'Ineligible – Deceased' 13 = 'Unlocatable' 19 = 'Exceeded Phone Attempts (soft refusal)' 20 = 'Retired' 21='Partial2 via Mail' 22='Partial2 via Phone'

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Question number from 2011 NAMCS Workflow supplement	Variable Name	Variable Label	C or N	Length	Values for variable range and labels
Keyed6	RekeyedByWF	Initials of the staff member who performed the second key of the survey	C	3	Other='Entry made' -9 ='Blank'
Keyed7	AdjudicatedByWF	Initials of the staff member who performed the Adjudication of the survey	C	3	Other='Entry made' -9 ='Blank'
Derived	DISPEMRWF	Derived final disposition of Workflow Mail Survey	N	1	1='Complete (phone or mail)' 2='Eligible-Refused' 3='Ineligible or out-of-scope' 4='Unlocatable' 6= 'Eligible – Partially Complete' 7= 'Eligible - Incomplete'
	NUMANSWF	the number of answered variables on the form.	N	3	0-999= Valid Range
	VWFNOTES	Verbatim comments	C	300	Other='Entry made' -9 ='Blank'
	NUMMISSWF	This is a derived variable that contains the number of missed variables on the form.	N	3	0-999= Valid Range
	DUPFL	Duplicate Flag – derived value that indicates the number of duplicates that have been received for this record	N	2	1 - 99 = Valid Range
WORKFLOW RECODED AND CREATED VARIABLES					
Recode of DISPEMRWF	DISPEMRWFR	Update of DISPEMRWF	N	2	1='Eligible-Complete (phone or mail)' 2='Eligible-Refused' 3='Ineligible or out-of-scope' 4='Unlocatable' 6= 'Eligible – Partially Complete' 7= 'Eligible - Incomplete' 8='Soft refusal'

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Question number from 2011 NAMCS Workflow supplement	Variable Name	Variable Label	C or N	Length	Values for variable range and labels
Recode of INSTAT1	INSTAT1R	Update of INSTAT1	N	1	1 = 'Eligible- Complete via Mail' 2 = 'Eligible-Complete via Phone' 3 = 'Eligible- partial via Phone' 4 = 'Eligible- partial via Mail' 5 = 'Eligible - Hard Refusal Mail' 6 = 'Eligible - Hard Refusal Phone' 9 = 'Eligible - Incomplete Mail' 10 = 'Eligible - Incomplete Phone' 11 = 'Ineligible – Deceased' 12 = 'Ineligible other' 13 = 'Unlocatable' 19 = 'Exceeded Phone Attempts (soft refusal)' 20 = 'Retired' 21='Eligible-Partial2 via Mail' 22='Eligible-Partial2 via Phone' 23= 'Eligible - nonrespondent - unable to participate in year 1 but will try again in year 2. (treated like soft refusals)'
Derived from CTFTERN CTFTEMA CTFTEADM CTFTEIT CTFTEO	CTSTAFF	number of total support staff (nurses, medical assistants, administrative staff, IT staff, and others).	N	2	Other='Entry made' -9 = 'Blank'
Derived from NUMMISSWF NUMANSWF	NUMQS	number of total questions	N	2	79 or 89 = 'valid number of total questions'
Derived from NUMANSWF NUMQS	PCT	Percent of questions answered	N	3	0-100 = 'valid range'
2011 NAMCS EMR SUPPLEMENT					

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Question number from 2011 NAMCS Workflow supplement	Variable Name	Variable Label	C or N	Length	Values for variable range and labels
Q2	AMBCARE	Care for ambulatory patients.	N	2	1='Yes' 2="No, doesn't give direct care" 3='No, no longer in practice' -9='Blank'
Q3	NOPATSEN	Number of weeks not seeing patients.	N	2	0-52='valid range' -9='Blank'
Q4	NUMLOC	Number of office locations that patients are seen in a normal week	N	2	00-20='valid range' -9='Blank'
Q5	ESTVIS	During last normal week of practice, how many patient visits at all locations?	N	3	000-999='valid range' -9='Blank'
Q6(1)	NHVISWK	During last normal week how many nursing home visits?	N	2	0-99='Valid codes' -9='Blank'
Q6(2)	HOMVISWK	During last normal week how many other home visits?	N	2	0-99='Valid codes' -9='Blank'
Q6(3)	HOSVISWK	During last normal week how many hospital visits?	N	3	0-999='Valid codes' -9='Blank'
Q6(4)	TELCONWK	During last normal week how many telephone consults?	N	2	0-99='Valid codes' -9='Blank'
Q6(5)	ECONWK	During last normal week how many Internet/email consults?	N	2	0-99='Valid codes' -9='Blank'
Q7(1)	INSETTING1	Private solo or group.	N	1	0='Box is not marked' 1='Box is marked'
Q7(2)	INSETTING2	Freestanding clinic/'urgicenter.	N	1	0='Box is not marked' 1='Box is marked'
Q7(3)	INSETTING3	Community Health Center (e.g., FQHC or look alikes).	N	1	0='Box is not marked' 1='Box is marked'
Q7(4)	INSETTING4	Mental health center.	N	1	0='Box is not marked' 1='Box is marked'

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Question number from 2011 NAMCS Workflow supplement	Variable Name	Variable Label	C or N	Length	Values for variable range and labels
Q7(5)	INSETTING5	Non-federal Government clinic.	N	1	0='Box is not marked' 1='Box is marked'
Q7(6)	INSETTING6	Family planning clinic.	N	1	0='Box is not marked' 1='Box is marked'
Q7(7)	INSETTING7	HMO or other prepaid practice.	N	1	0='Box is not marked' 1='Box is marked'
Q7(8)	INSETTING8	Faculty practice plan.	N	1	0='Box is not marked' 1='Box is marked'
Q7(9)	INSETTING9	None of the above	N	1	0='Box is not marked' 1='Box is marked'
Q8	SETTING	Among settings checked in 7, the office setting with the most ambulatory care visits	N	1	1-8='Valid range' -9='Blank'
Q9	PIIST	What is the state of the office that has the most ambulatory care visits?	C	2	Other='Entry made' '-9'='Blank'
Q10	ESTVIS1	Estimated number of visits last week for the office that has the most ambulatory care visits	N	3	000-999='valid range' -9='Blank'
Q11	SOLO1	Type of practice for the office that has the most ambulatory care visits?	N	2	1='Solo' 2='Nonsolo' -9='Blank'
Q12	OTHPHY1	Number of other physicians for the office that has the most ambulatory care visits?	N	2	00-99='Valid range' -9='Blank'
Q13	MULTI1	Is this location a multi- or single-specialty group practice for the office that has the most ambulatory care visits?	N	2	1='Multi' 2='Single' -9='Blank'
Q14	MIDLEVP1	How many mid-level providers are at this office that has the most ambulatory care visits?	N	2	00-99='Valid range' -9='Blank'
Q15	EBILLREC	Does your practice submit claims electronically?	N	2	1='Yes, all electronic' 2='No' -8='Unknown' -9='Blank'

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Question number from 2011 NAMCS Workflow supplement	Variable Name	Variable Label	C or N	Length	Values for variable range and labels
Q16	EINSELIG	Verify patient's insurance eligibility electronically	N	2	1='Yes, with a stand-alone practice management system' 2='Yes, with an EMR/EHR system' 3='Yes, using another electronic system' 4='No' -8='Unknown' -9='Blank'
Q17	EMEDREC	Does your practice use electronic medical records? (not including billing records)	N	2	1='Yes, all electronic' 2='Yes, part paper and part electronic' 3='No' -8='Unknown' -9='Blank'
17a	EHRINSYR	Which year did you install your EMR/EHR system	N	4	1970-2011='Valid range' -7= Not Applicable -9='Blank'

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Question number from 2011 NAMCS Workflow supplement	Variable Name	Variable Label	C or N	Length	Values for variable range and labels
17b	EHRNAM	What is the name of your current EMR/EHR system?	N	2	1='Allscripts' 2='Cerner' 3='CHARTCARE' 4='eClinicalWorks' 5='Epic' 6='eMDs' 7='GE/Centricity' 8='Greenway Medical' 9='MED3000' 10='NextGen' 11='Sage' 12='SOAPware' 13='Practice Fusion' 14='Other' -8='Unknown' -7='Not Applicable' -9='Blank'
17b	EHRNAMOTH	What is the name of your current EMR/EHR system?	C	30	Other='Entry made' -7= Not Applicable
18	EMRINS	Are there plans for installing a new EMR/EHR within the next 18 months?	N	2	1='Yes' 2='No' 3='Maybe' -8='Unknown' -9='Blank'
Q19a	EDEMOG	Does your practice have this computerized capability: recording patient demographic information?	N	2	1='Yes' 2='No' 4='Yes, but turned off or not used' -8='Unknown' -9='Blank'

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Question number from 2011 NAMCS Workflow supplement	Variable Name	Variable Label	C or N	Length	Values for variable range and labels
Q19a - Q1	EPROLST	If computerized patient demographic information are included does it include patient problem lists?	N	2	1='Yes' 2='No' 4='Yes, but turned off or not used' -7='Not applicable' -8='Unknown' -9='Blank'
Q19b	EPNOTES	Does your practice have this computerized capability: recording clinical notes?	N	2	1='Yes' 2='No' 4='Yes, but turned off or not used' -8='Unknown' -9='Blank'
Q19b1	EMEDALG	If clinical notes are included, do they include a list of patient's medications and allergies?	N	2	1='Yes' 2='No' 4='Yes, but turned off or not used' -7='Not applicable' -8='Unknown' -9='Blank'
Q19c	ECPOE	Does your practice have this computerized capability: ordering prescriptions?	N	2	1='Yes' 2='No' 4='Yes, but turned off or not used' -8='Unknown' -9='Blank'
Q19c1	ESCRIP	If computerized orders for prescriptions are included, are prescriptions sent electronically to the pharmacy?	N	2	1='Yes' 2='No' 4='Yes, but turned off or not used' -7='Not applicable' -8='Unknown' -9='Blank'
Q19c2	EWARN	If computerized orders for prescriptions are included, are there warnings of drug interactions or contraindications provided?	N	2	1='Yes' 2='No' 4='Yes, but turned off or not used' -7='Not applicable' -8='Unknown' -9='Blank'

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Question number from 2011 NAMCS Workflow supplement	Variable Name	Variable Label	C or N	Length	Values for variable range and labels
Q19d	EREMIND	Does your practice have this computerized capability: providing reminders for guideline-based interventions and/or screening tests?	N	2	1='Yes' 2='No' 4='Yes, but turned off or not used' -8='Unknown' -9='Blank'
Q19e	ECTOE	Does your practice have this computerized capability: ordering lab tests?	N	2	1='Yes' 2='No' 4='Yes, but turned off or not used' -8='Unknown' -9='Blank'
Q19e1	EORDER	If computerized orders for tests are included, are orders sent electronically?	N	2	1='Yes' 2='No' 4='Yes, but turned off or not used' -7='Not applicable' -8='Unknown' -9='Blank'
Q19f	ESETS	Does your practice have this computerized capability: providing standard order sets related to a particular condition or procedure?	N	2	1='Yes' 2='Yes, but turned off or not used' 3='No' -8='Unknown' -9='Blank'
Q19g	ERESULT	Does your practice have this computerized capability: viewing lab results?	N	2	1='Yes' 2='No' 4='Yes, but turned off or not used' -8='Don't know' -9='Blank'
Q19g1	ERESEHR	If lab results are included, are results incorporated in EMR/EHR?	N	2	1='Yes' 2='No' 4='Yes, but turned off or not used' -7='Not applicable' -8='Unknown' -9='Blank'

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Question number from 2011 NAMCS Workflow supplement	Variable Name	Variable Label	C or N	Length	Values for variable range and labels
Q19h	EIMGRES	Does your practice have this computerized capability: viewing imaging results?	N	2	1='Yes' 2='No' 4='Yes, but turned off or not used' -8= "Don't know" -9='Blank'
Q19i	EQOC	Does your practice have this computerized capability: viewing data on quality of care measures	N	2	1='Yes' 2='No' 4='Yes, but turned off or not used' -8= "Don't know" -9='Blank'
Q19j	EIMMREG	Does your practice have this computerized capability: electronic reporting to immunization registries?	N	2	1='Yes' 2='No' 4='Yes, but turned off or not used' -8='Unknown' -9='Blank'
Q19k	EPUBHLTH	Does your practice have this computerized capability: public health reporting?	N	2	1='Yes' 2='No' 4='Yes, but turned off or not used' -8='Unknown' -9='Blank'
Q19k1	ENOTDIS	If public health reporting is included, are notifiable diseases sent electronically?	N	2	1='Yes' 2='No' 4='Yes, but turned off or not used' -7='Not applicable' -8='Unknown' -9='Blank'
Q19l	ESUM	Does your practice have this computerized capability: providing patients with clinical summaries for each visit?	N	2	1='Yes' 2='No' 4='Yes, but turned off or not used' -8='Unknown' -9='Blank'

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Question number from 2011 NAMCS Workflow supplement	Variable Name	Variable Label	C or N	Length	Values for variable range and labels
Q19m	EMSG	Does the reporting location have a computerized system for exchanging secure messages with patients?	N	2	1='Yes' 2='No' 4='Yes, but turned off or not used' -8='Unknown' -9='Blank'
Q20 (1)	EWHOPRAC	Prescribing practitioner	N	1	0='Box is not marked' 1='Box is marked'
Q20 (2)	EWHOOTH	Other	N	1	0='Box is not marked' 1='Box is marked'
Q20 (3)	EWHONOT	Prescription and lab test orders not submitted electronically	N	1	0='Box is not marked' 1='Box is marked'
Q20 (4)	EWHOUNK	Unknown	N	1	0='Box is not marked' 1='Box is marked'
Q21	EXCHSUM	Do you exchange patient clinical summaries electronically with any other providers?	N	2	1='Yes, send summaries only' 2='Yes, receive summaries only' 3='Yes, send and receive summaries' 4='No' 5='Unknown' (EV = -8) -9='Blank'
Q21a - Q1	EXCHSUM1	Through EMR/EHR vendor	N	1	0='Box is not marked' 1='Box is marked' -7='Not Applicable' -9='All boxes are blank for item 21a'
Q21A 2	EXCHSUM2	Through hospital-based system	N	1	0='Box is not marked' 1='Box is marked' -7='Not Applicable' -9='All boxes are blank for item 21a'
Q21a3	EXCHSUM3	Through Health Information Organization or state exchange	N	1	0='Box is not marked' 1='Box is marked' -7='Not Applicable' -9='All boxes are blank for item 21a'

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Question number from 2011 NAMCS Workflow supplement	Variable Name	Variable Label	C or N	Length	Values for variable range and labels
Q21a4	EXCHSUM4	Through secure email attachment	N	1	0='Box is not marked' 1='Box is marked' -7='Not Applicable' -9='All boxes are blank for item 21a'
Q21a5	EXCHSUM5	Other/Unknown	N	1	0='Box is not marked' 1='Box is marked' -7='Not Applicable' -9='All boxes are blank for item 21a'
Q22	PAYHIT	Are there plans to apply for Medicare or Medicaid incentive payments for meaningful use of Health IT?	N	2	1='Yes' 2='Uncertain' 3='No' -9='Blank'
Q22a	PAYYR	What year do you expect to apply for meaningful use payments?	N	2	1='2011' 2='2012' 3='After 2012' -8='Unknown' -7= Not Applicable -9='Blank'
Q23	OWNS1	Who owns the practice for the office that has the most ambulatory care visits?	N	2	1='Physician/Physician group' 2='HMO' 3='Community Health Center' 4='Medical / Academic health center' 5='Other hospital' 6='Other health care corporation' 7='Other' -9='Blank'
Q24(1)	PRMCARE	Percent of patient care revenue from Medicare.	N	3	0-100='Valid range' -9='Blank'
Q24(2)	PRMAID	Percent of patient care revenue from Medicaid.	N	3	0-100='valid range' -9='Blank'
Q24(3)	PRPRVT	Percent of patient care revenue from private insurance.	N	3	0-100='valid range' -9='Blank'
Q24(4)	PRPATPAY	Percent of patient care revenue from patient payments.	N	3	0-100='valid range' -9='Blank'

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Question number from 2011 NAMCS Workflow supplement	Variable Name	Variable Label	C or N	Length	Values for variable range and labels
Q24(5)	PROTH	Percent of patient care revenue from other.	N	3	0-100='valid range' -9='Blank'
Q25	ACCEPTNEW	Are you currently accepting new patients?	N	2	1='Yes' 2='No' -8='Unknown' -9='Blank'
Q25a - Q1a	CAPITATE	Type of payment accepted - Capitated Private Insurance.	N	2	1='Yes' 2='No' -8='Unknown' -7='Not applicable' -9='Blank'
Q25a - Q1b	NOCAP	Type of payment accepted - Noncapitated Private Insurance.	N	2	1='Yes' 2='No' -8='Unknown' -7='Not applicable' -9='Blank'
	PRIVATE	Type of payment accepted - Private Insurance.	N	2	1='Yes' 2='No' -8='Unknown' -7='Not applicable' -9='Blank'
Q25A 2	NMEDCARE	Type of payment accepted – Medicare.	N	2	1='Yes' 2='No' -8='Unknown' -7='Not applicable' -9='Blank'

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Question number from 2011 NAMCS Workflow supplement	Variable Name	Variable Label	C or N	Length	Values for variable range and labels
Q25a3	NMEDCAID	Type of payment accepted - Medicaid.	N	2	1='Yes' 2='No' -8='Unknown' -7='Not applicable' -9='Blank'
Q25a4	NWORKCMP	Type of payment accepted - Worker's compensation.	N	2	1='Yes' 2='No' -8='Unknown' -7='Not applicable' -9='Blank'
Q25a5	NSELPAY	Type of payment accepted - Self-pay.	N	2	1='Yes' 2='No' -8='Unknown' -7='Not applicable' -9='Blank'
Q25a6	NNOCHRG	Type of payment accepted - No charge.	N	2	1='Yes' 2='No' -8='Unknown' -7='Not applicable' -9='Blank'
Q26	PCTMCAID	What percent of current patients have Medicaid/CHIP?	N	2	0-100='Valid range' -9='Blank'
Q27	WCOMPEMR	Who completed the form?	N	2	1='Sampled physician' 2='Office staff' 3='Other' -9='Blank'
EMR RECODED AND CREATED VARIABLES					
Recorded: SAMPSPEC updated by PIISPEC	SPEC	Alpha specialty (updated by induction)	C	3	' '= 'Blank' other='valid range'

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Question number from 2011 NAMCS Workflow supplement	Variable Name	Variable Label	C or N	Length	Values for variable range and labels
Recoded from SPEC	PROSTRUP	Numeric specialty--collected (DOs separate)	N	2	01='General/Family practice' 02='DO' 03='Internal Medicine' 04='Pediatrics' 05='General Surgery' 06='Obstetrics & Gynecology' 07='Orthopedic Surgery' 08='Cardiovascular Diseases' 09='Dermatology' 10='Urology' 11='Psychiatry' 12='Neurology' 13='Ophthalmology' 14='Otolaryngology' 15='Other specialties'
Recoded from SPEC	SPECR	Numeric specialty (DOs dispersed)	N	2	01='General/Family practice' 03='Internal Medicine' 04='Pediatrics' 05='General Surgery' 06='Obstetrics & Gynecology' 07='Orthopedic Surgery' 08='Cardiovascular Diseases' 09='Dermatology' 10='Urology' 11='Psychiatry' 12='Neurology' 13='Ophthalmology' 14='Otolaryngology' 15='Other specialties'
Created: ZIPPHY	FIPSCNY	New County FIPS code	C	3	'000'-'999'='valid range'
Created: ZIPPHY	FIPSST	New State Fips code	C	2	'00'-'56'='valid range'
Recoded from Physician sample file	MDDO	Type of doctor (MD/DO) as sampled.	N	1	1='MD' 2='DO'

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Recoded from Physician sample file	MSA	Metropolitan Status (2 categories)	N	1	1='MSA' 2='non-MSA'
Recoded from Physician sample file	METRSTAT	Metropolitan Status (3 categories)	N	1	1='Metropolitan' 2='Micropolitan' 3='Non-metropolitan (neither)'
Created: PIIZIP and ZIPPHYS	ZIPPHY	Physician's zip code updated. If (PIIZIP) is not blank then use. Otherwise, use (ZIPPHYS)	C	5	'01001'-'99950'='valid range'
Recoded from SPECR & SPEC	SPECCAT	Physician specialty type	N	1	1='Primary care specialty' 2='Surgical specialty' 3='Medical specialty'
Recoded: SOLO1-MULTI1	MULTIR1	Recoded Solo and Multi variables	N	1	1 ='Single-specialty practice' 2 ='Multi-specialty practice' 3 ='Solo practice' -8='Unknown'
Recode of DISPEMR	DISPEMRR	Update of DISPEMR	N	1	1='Complete (phone or mail)' 2='Eligible-Refused' 3='Ineligible or out-of-scope' 4='Unlocatable' 5='Unknown Eligibility – Refusal' 6='Eligible – Partially Complete' 7='Unknown Eligibility – Partially Complete'

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Recode of FINSTAT	FINSTATR	Update of FINSTAT	N	2	1='Eligible - Complete via Mail' 2='Eligible - Complete via Phone' 3= 'Eligible - Partial via Phone' 4= 'Eligible - Partial via Mail' 5= 'Eligible - Written Refusal' 6= 'Eligible - Verbal Refusal – MD' 7= 'Eligible - Verbal Refusal – Other' 8= 'Ineligible - No longer in practice' 9= 'Ineligible - No ambulatory patients' 10= 'Ineligible - Out-of-scope setting' 11= 'Ineligible - Deceased' 12= 'Unknown Eligibility - Unlocatable' 13='Unlocatable - CutOffDate'+F292 18='Unknown Eligibility - Partial via Mail' 19='Unknown Eligibility - Contact Information Confirmed (soft refusal)' Note: Eligible means Q2=1 and Q8=1-8.
Derived from SOLO1 & OTHPHY1	SIZE	Size of practice	N	2	1='Solo based practice' 2-100='Number of physicians in practice' -9='Blank'
Derived from imputation	SIZEFL	Was SIZE imputed?	N	1	0=' Not imputed' 1=' Imputed'

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Recoded from SIZE	PRACTSIZ	Size of practice grouped based on SIZE	N	2	1='Solo practice' 2='Two physicians' 3='3 to 5 physicians' 4='6-10 physicians' 5='11+ physicians' -9='Blank'
SAMPLE FILE					
Physician Sample File	SAMPSPEC	Specialty (3 letter code) as sampled DO's not separated.	C	3	' '= 'Blank' other='valid entry'
Physician Sample File	REGIONS	Region of the Physician's sampled office.	N	1	1='NE' 2='MW' 3='S' 4='W'
Physician Sample File; updated by zip if physician moved	REGION	Region of the Physicians Interview office	N	1	1='NE' 2='MW' 3='S' 4='W'
Physician Sample File; updated by zip if physician moved	DIVISION	Census Divisions of the Physicians Interview office	N	2	1='New England' 2='Middle Atlantic' 3='East North Central' 4='West North Central' 5='South Atlantic' 6='East South Central' 7='West South Central' 8='Mountain' 9='Pacific'
Physician Sample File	PHYSEX	Sex of Physician	N	1	1='Female' 2='Male' -9='Blank'
Physician Sample File	FIPSSTS	Physician's state FIPS Code	C	2	'01'-'56'='valid range'
Physician Sample File	FIPSCNYS	Physician's county FIPS Code	C	3	'000'-'999'='valid range'
Physician Sample File	ZIPPHYS	Sample Zip Code (5 digit)	C	5	' '= 'Blank' other='valid entry'

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Question number from 2011 NAMCS Workflow supplement	Variable Name	Variable Label	C or N	Length	Values for variable range and labels
Physician Sample File	SAMPWGT	Physician sample weight from State and doctor selection	N	8	001-999='valid range'
Physician Sample File	PRACTYPE	Type of practice	C	3	'020'='AMA-Direct patient care' '040'='AOA-Direct patient care' '100'='AMA-Unknown/missing' -9='Blank'
Physician Sample File	PRIMEMP	Primary present employment	N	3	11='AMA-Self-emp, solo prac' 13='AMA-Two phy. prac' 20='AOA-Office prac. solo' 21='AMA-Oth pat care/AOA-Off prac. partnp' 22='AOA-Office prac group' 23='AOA-Offc prac ofc employee' 30='AMA-Grp prac/AOA-Off prac HMO staff' 31='AOA-Office prac. walk-in'
Physician Sample File	MAJPRACT	Major professional activity	C	3	'-9'='Blank' 'PO'='Office based' 'CHC'='Sampled CHC'
Physician Sample File	PYOB	Physician year of birth	N	4	1900-1982='valid range' -9='Blank'
Recode from PYOB	PAGE50	Physician age; grouped	N	1	1='Under 50 years' 2='50 years and over'
Recode from PYOB	MDAGE	Physician age; grouped	N	1	1='Under 35 years' 2='35-44 years' 3='45-54 years' 4='55-64 years' 5='65 years and over' -9='Blank'
.		ARF VARIABLES, 2008 release			
ARF-Derived	ARFHYY	Median household income (2007) [F13226-07]	N	6	-9='Blank' Other='Valid range'
ARF-Derived	ARFPPOV	Percent where income is below poverty level(2007) [F13321-07]	N	8	0.01-100.00='Valid range' -9='Blank'

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Question number from 2011 NAMCS Workflow supplement	Variable Name	Variable Label	C or N	Length	Values for variable range and labels
ARF-Derived	ARFPWNH	Percent of popn who is white, not Hispanic(2007) [F13926-07 & F12927-07]	N	8	0.01-100.00='Valid range' -9='Blank'
ARF-Derived	ARFPMCAID	Medicaid discharges per 1000 population(2006) [F10315-06]	N	8	0.01-999.99='Valid range' -9='Blank'
ARF-Derived	ARFP65	Percent of popn who is 65 years and over(2007)[F14083-07]	N	8	0.01-100.00='Valid range' -9='Blank'
ARF-Derived	ARFPRIMARYSA	HPSA Code; Population to FTE primary care ratio (12/08) [F09787-08]	N	3	0='None of the county designated as shortage area' 1='Whole county designated as shortage area' 2='Part of county designated as shortage area'
ARF-Derived	ARFMENTALSA	HPSA Code; Population to FTE Mental Health (12/08) [F12492-08]	N	3	0='None of the county designated as shortage area' 1='Whole county designated as shortage area' 2='Part of county designated as shortage area'
ARF-Derived	ARFGROTOT	Percent change in total population 1998 to 2008	N	8	-42.91-122.75='Valid range' 999='Blank'
ARF-Derived	ARFGRO65	Percent change in population 65+ years, 1997 to 2007	N	8	-80.95-226.91='Valid range' 999='Blank'
.		NCHS URBAN-RURAL FILE			
URBAN-RURAL FILE	URBANRU	2007 NCHS urban-rural classification based on provider zip code	N	1	1='Large central metro' 2='Large fringe metro' 3='Medium metro' 4='Small metro' 5='Micropolitan (nonmetro)' 6='Noncore (nonmetro)' -9='Missing data'
SUDAAN VARIABLES					
Sample=PHYID	PROVIDE	Provider code.	N	4	80000-90302='Valid range'
Derived	YEAR	Survey year	N	4	2011='Year: 2011'

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Derived	SUBFILE	Survey identifier	N	1	1='NAMCS'
Sample	PROSTRAT	Provider sampled specialty stratum.	N	2	1-15='valid range'
Derived	STATE	State where the physician was sampled	N	2	Numeric physician's state FIPS Code 1-2, 4-6, 8-13, 15-42, 44-51, 53-56='Valid range'
Derived	POPDOC	Estimated number of NAMCS eligible physicians in STATE	N	8	1-9999999='Valid range'
Derived	NAMCSELIG	NAMCS eligibility status - determined after workflow survey- if not in workflow then eligibility is determined by EMR. If unlocatable in WF then DOC is still eligible for year 2 of workflow	N	1	0='Unknown NAMCS eligibility' 1='NAMCS eligible' 2='Not NAMCS eligible'
Derived	ADOPTSTAT	Adopter status	N	1	1='adopter' 2='nonadopter'
Derived	RESPSTAT	Physician Respondent Status	N	1	1='Physician is a respondent and is NAMCS eligible' 0='Physician is not a respondent or NAMCS eligible'
Derived	YR1WFWT	Rounded adjusted ratio adjusted doctor weight (responding doctors)	N	6	0='Out of scope or refused doctors' 1-9999999='Responding doctors'