

2012 NAMCS Physician Workflow Supplement File Layout for Use by NCHS Research Data Center

Last updated: 3/27/2013

| Question number from 2012 NAMCS Workflow supplement | Variable Name | Variable Label | C or N | Length | ALL (A) or ADOP T (AO) | Values for variable range and labels |
|---|-----------------|---|--------|--------|------------------------|---|
| NONADOPTER AND ADOPTER Survey VARIABLES | | | | | | |
| Barcode | PHYID | Physician ID | N | 5 | A | 80000-90302='Valid range for live data collection' |
| Derived | SURVER | Survey Version | N | 1 | A | 1='Non Adopter version' 2='Adopter version' |
| NA/A 2 | NUMLOC | Number of office locations that patients are seen in a normal week | N | 3 | A | 0-20 = 'valid range' -9='blank' |
| NA/A 4 | SETTING | Setting with the most ambulatory visits | N | 1 | A | 1 ='Private solo/group' 2='Freestanding clinic/urgicenter' 3='CHC' 4='Mental health center' 5='Non-federal gov't clinic' 6='Family planning clinic' 7='HMO' 8='Faculty practice plan' -9 ='blank' |
| NA/A 6 | SOLO1 | Type of practice for the office that has the most ambulatory care visits? | N | 2 | A | 1='solo' 2='nonsolo' -9='Blank' |
| NA/A 6A | OTHPHY1 | Number of other physicians for the office that has most ambulatory care visits? | N | 2 | A | 0-99' ='valid range' -9='Blank' -7='Not Applicable' |
| NA/A 7 | MIDLEVP1 | Number of midlevel providers | N | 2 | A | 0-99' ='valid range' -9='Blank' |
| NA/A 7 | CLSTAFF1 | Number of clinical staff (MA, RN) | N | 2 | A | 0-99' ='valid range' -9='Blank' |

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| NA/A 7 | NCLSTAFF1 | Number of nonclinical/administrative staff? | N | 2 | A | 0-99' = 'valid range' -9='Blank' |
| NA/A 8 | MULTI1 | Is the location a multi- or single- specialty group practice for the office that has the most ambulatory care visits? | N | 2 | A | 1='Single' 2='Multi' -9='Blank' |
| NA/A 9 | OWNERSH | Ownership status for office | N | 2 | A | 1='Owner' 2='Employee' 3='Contractor' -9='Blank' |
| NA/A 10 | OWNS1 | Who owns the practice for the office that has the most ambulatory care visits? | N | 2 | A | 1='Physician/Physician group' 2='Insurance company, Health plan, or HMO' 3='Community Health Center' 4='Medical / Academic health' 5='Other hospital' 6='Other health care corporation' 7='Other' -9='Blank' |
| NA/A 11 | PCMHOME | Does the reporting location participate in a certified PCMH arrangement or receive any additional compensation beyond routine visit fees for offering a PCMG? | N | 2 | A | 1='Yes, we participate' 2='no, but we plan to participate' 3='no, and we don't plan to participate' 4='uncertain' -9='Blank' |
| NA/A 12 | P4PERF | Does the reporting location participate in a Pay-for-Performance arrangement? | N | 2 | A | 1='Yes, we participate' 2='no, but we plan to participate' 3='no, and we don't plan to participate' 4='uncertain' -9='Blank' |

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| NA/A 13 | ACORG | Does the reporting location participate in an Accountable Care Organization or similar arrangement? | N | 2 | A | 1='Yes, we participate' 2='no, but we plan to participate' 3='no, and we don't plan to participate' 4='uncertain' -9='Blank' |
| NA/A 14 | PRACSAT | Overall, how satisfied or dissatisfied are you with practicing medicine? | N | 2 | A | 1='very satisfied' 2='somewhat satisfied' 3='somewhat dissatisfied' 4='very dissatisfied' -9='Blank' |
| NA/A 15 | HIGHQOC | "I am able to provide high quality care to most of my patients at the reporting location" Would you say you...? | N | 2 | A | 1='Strongly Agree' 2='Somewhat Agree' 3='Somewhat Disagree' 4='Strongly Disagree' -9='Blank' |
| NA/A 16 | EHRSTAT | EHR Adoption Status | N | 2 | A | 1='We do not have an EHR System' 2='We are not actively using an EHR system but have one installed' 3='We are actively using an EHR' 4='We are actively using an EHR system that was installed more than 12 months ago.' -9='blank' |
| NA/A 17 | PAYHIT1 | At the reporting location, are there plans to apply for CMS incentive payments? | N | 2 | 2 | 1='Yes, we already applied' 2='Yes, we intend to apply' 3='No we will not apply' 4='Uncertain if we will apply' 5= Blank but sub-questions are answered -9='Blank' |

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| NA/A 17A | NOPAYHIT1 | Reasons for not applying for meaningful use incentives: Not qualified as an "eligible provider" | N | 2 | A | 0='box not marked' 1='box marked' -7='Not applicable' |
| NA/A 17A | NOPAYHIT2 | Reasons for not applying for meaningful use incentives The process to apply is difficult | N | 2 | A | 0='box not marked' 1='box marked' -7='Not applicable' |
| NA/A 17A | NOPAYHIT3 | Reasons for not applying for meaningful use incentives Not familiar with the incentive program | N | 2 | A | 0='box not marked' 1='box marked' -7='Not applicable' |
| NA/A 17A | NOPAYHIT4 | Reasons for not applying for meaningful use incentives Unsure that incentives will actually be paid | N | 2 | A | 0='box not marked' 1='box marked' -7='Not applicable' |
| NA/A 17A | NOPAYHIT5 | Reasons for not applying for meaningful use incentives No plans to have an eligible system | N | 2 | A | 0='box not marked' 1='box marked' -7='Not applicable' |
| NA/A 17A | NOPAYHIT5A | Why no plans to have an eligible system? - No plans to adopt any system | N | 2 | A | 0='box not marked' 1='box marked' -7='Not applicable' |
| NA/A 17A | NOPAYHIT5B | Why no plans to have an eligible system? - Have an EHR that does not quality for incentives | N | 2 | A | 0='box not marked' 1='box marked' -7='Not applicable' |
| NA/A 17A | NOPAYHIT5C | Why no plans to have an eligible system? - Plan to retire | N | 2 | A | 0='box not marked' 1='box marked' -7='Not applicable' |
| NA/A 17A | NOPAYHIT5D | Why no plans to have an eligible system? - Not prepared to implement electronic prescribing | N | 2 | A | 0='box not marked' 1='box marked' -7='Not applicable' |

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| NA/A 17A | NOPAYHIT6 | Reasons for not applying for meaningful use incentives Lack the resources to apply | N | 2 | A | 0='box not marked' 1='box marked' -7='Not applicable' |
| NA/A 17A | NOPAYHIT6A | Lack the time to apply | N | 2 | A | 0='box not marked' 1='box marked' -7='Not applicable' |
| NA/A 17A | NOPAYHIT6B | Lack money/financing to apply | N | 2 | A | 0='box not marked' 1='box marked' -7='Not applicable' |
| NA/A 17A | NOPAYHIT6C | Lack staff to apply | N | 2 | A | 0='box not marked' 1='box marked' -7='Not applicable' |
| NA/A 17A | NOPAYHIT6D | Lack infrastructure to apply | N | 2 | A | 0='box not marked' 1='box marked' -7='Not applicable' |
| NA/A 17A | NOPAYHIT7 | Other reasons for not applying for meaningful use incentives | N | 2 | A | 0='box not marked' 1='box marked' -7='Not applicable' |
| NA/A 18a | TASKPM1R | Does the reporting location routinely create a list of patients by particular diagnosis? | N | 2 | A | 1='Yes' 2='No' -9='Blank' |
| NA/A 18a | TASKPM1CR | Is the process of creating a list of patients by particular diagnosis computerized? Recoded w/ skip for those that do not do "Routinely" | N | 2 | A | 1='Yes, usually' 2='Yes, sometimes' 3='No' -7='Not applicable' -9='Blank' |
| NA/A 18a | TASKPM1ER | How easy or difficult is it to create a list of patients by particular diagnosis with your current Medical Record System? Recoded w/ skip for those that do not do "Routinely" | N | 2 | A | 1='Very easy' 2='Somewhat easy' 3='Somewhat difficult' 4='Very difficult' -7='Not applicable' -9='Blank' |

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| NA/A 18b | TASKPM2R | Does the reporting location routinely create a list of patients by particular lab result? | N | 2 | A | 1='Yes' 2='No' -9='Blank' |
| NA/A 18b | TASKPM2CR | Is the process of creating a list of patients by particular lab result computerized? Recorded w/ skip for those that do not do "Routinely" | N | 2 | A | 1='Yes, usually' 2='Yes, sometimes' 3='No' -7='Not applicable' -9='Blank' |
| NA/A18b | TASKPM2ER | How easy or difficult is it to create a list of patients by particular lab result with your current Medical Record System? Recorded w/ skip for those that do not do "Routinely" | N | 2 | A | 1='Very easy' 2='Somewhat easy' 3='Somewhat difficult' 4='Very difficult' -7='Not applicable' -9='Blank' |
| NA/A 18c | TASKPM3R | Does the reporting location routinely create a list of patients by particular vital signs? | N | 2 | A | 1='Yes' 2='No' -9='Blank' |
| NA/A 18c | TASKPM3CR | Is the process of creating a list of patients by particular vital signs computerized? Recorded w/ skip for those that do not do "Routinely" | N | 2 | A | 1='Yes, usually' 2='Yes, sometimes' 3='No' -7='Blank' -9='Blank' |
| NA/A 18c | TASKPM3ER | How easy or difficult is it to create a list of patients by particular vital signs with your current Medical Record System? Recorded w/ skip for those that do not do "Routinely" | N | 2 | A | 1='Very easy' 2='Somewhat easy' 3='Somewhat difficult' 4='Very difficult' -7='Blank' -9='Blank' |
| NA/A 18d | TASKPM4R | Does the reporting location routinely create a list of patients who are due for tests or preventive care? | N | 2 | A | 1='Yes' 2='No' -9='Blank' |

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| NA/A 18d | TASKPM4CR | Is the process of creating a list of patients who are due for tests or preventive care computerized? Recorded w/ skip for those that do not do "Routinely" | N | 2 | A | 1='Yes, usually' 2='Yes, sometimes' 3='No' -7='Not applicable' -9='Blank' |
| NA/A 18d | TASKPM4ER | How easy or difficult is it to create a list of patients who are due for tests or preventive care with your current Medical Record System? Recorded w/ skip for those that do not do "Routinely" | N | 2 | A | 1='Very easy' 2='Somewhat easy' 3='Somewhat difficult' 4='Very difficult' -7='Not applicable' -9='Blank' |
| NA/A 18e | TASKPM5R | Does the reporting location routinely provide patient reminders for preventive or follow-up care? | N | 2 | A | 1='Yes' 2='No' -9='Blank' |
| NA/A 18e | TASKPM5CR | Is the process for providing patient reminders for preventive or follow-up care computerized? Recorded w/ skip for those that do not do "Routinely" | N | 2 | A | 1='Yes, usually' 2='Yes, sometimes' 3='No' -7='Not applicable' -9='Blank' |
| NA/A 18e | TASKPM5ER | How easy or difficult is it to provide patient reminders for preventive or follow-up care with your current Medical Record System? Recorded w/ skip for those that do not do "Routinely" | N | 2 | A | 1='Very easy' 2='Somewhat easy' 3='Somewhat difficult' 4='Very difficult' -7='Not applicable' -9='Blank' |
| NA/A 18f | TASKQI1R | Does the reporting location routinely create reports on clinical care measures for patients with specific chronic conditions? | N | 2 | A | 1='Yes' 2='No' -9='Blank' |
| NA/A 18f | TASKQI1CR | Is the process for creating reports on clinical care measures for patients with specific chronic conditions computerized? Recorded w/ skip for those that do not do "Routinely" | N | 2 | A | 1='Yes, usually' 2='Yes, sometimes' 3='No' -7='Not applicable' -9='Blank' |

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| NA/A 18f | TASKQ1ER | How easy or difficult is it to create reports on clinical care measures for patients with specific chronic conditions with your current Medical Record System? Recorded w/ skip for those that do not do "Routinely" | N | 2 | A | 1='Very easy' 2='Somewhat easy' 3='Somewhat difficult' 4='Very difficult' -7='Not applicable' -9='Blank' |
| NA/A 18g | TASKQ12R | Does the reporting location routinely create reports on clinical care measures by patient demographic characteristics? | N | 2 | A | 1='Yes' 2='No' -9='Blank' |
| NA/A 18g | TASKQ12CR | Is the process for creating reports on clinical care measures by patient demographic characteristics computerized? Recorded w/ skip for those that do not do "Routinely" | N | 2 | A | 1='Yes, usually' 2='Yes, sometimes' 3='No' -7='Not applicable' -9='Blank' |
| NA/A 18g | TASKQ12ER | How easy or difficult is it to create reports on clinical care measures by patient demographic characteristics with your current Medical Record System? Recorded w/ skip for those that do not do "Routinely" | N | 2 | A | 1='Very easy' 2='Somewhat easy' 3='Somewhat difficult' 4='Very difficult' -7='Not applicable' -9='Blank' |
| NA/A 18h | TASKQ13R | Does the reporting location routinely submit clinical care measures to public and private insurers? | N | 2 | A | 1='Yes' 2='No' -9='Blank' |
| NA/A 18h | TASKQ13CR | Is the process for submitting clinical care measures to public and private insurers computerized? Recorded w/ skip for those that do not do "Routinely" | N | 2 | A | 1='Yes, usually' 2='Yes, sometimes' 3='No' -7='Not applicable' -9='Blank' |
| NA/A 18h | TASKQ13ER | How easy or difficult is it to submit clinical care measures to public and private insurers with your current Medical Record System? Recorded w/ skip for those that do not do "Routinely" | N | 2 | A | 1='Very easy' 2='Somewhat easy' 3='Somewhat difficult' 4='Very difficult' -7='Not applicable' -9='Blank' |

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| NA/A 18i | TASKQI4R | Does the reporting location routinely provide patients with a clinical summary for each visit? | N | 2 | A | 1='Yes' 2='No' -9='Blank' |
| NA/A 18i | TASKQI4CR | Is the process for providing patients with a clinical summary for each visit computerized? Recoded w/ skip for those that do not do "Routinely" | N | 2 | A | 1='Yes, usually' 2='Yes, sometimes' 3='No' -7='Not applicable' -9='Blank' |
| NA/A 18i | TASKQI4ER | How easy or difficult is it to provide patients with a clinical summary for each visit with your current Medical Record System? Recoded w/ skip for those that do not do "Routinely" | N | 2 | A | 1='Very easy' 2='Somewhat easy' 3='Somewhat difficult' 4='Very difficult' -7='Not applicable' -9='Blank' |
| NA/A 18j | TASKPC1R | Does the reporting location routinely provide patients with a copy of their health information? | N | 2 | A | 1='Yes' 2='No' -9='Blank' |
| NA/A 18j | TASKPC1CR | Is the process for providing patients with a copy of their health information computerized? Recoded w/ skip for those that do not do "Routinely" | N | 2 | A | 1='Yes, usually' 2='Yes, sometimes' 3='No' -7='Not applicable' -9='Blank' |
| NA/A 18j | TASKPC1ER | How easy or difficult is it to provide patients with a copy of their health information with your current Medical Record System? Recoded w/ skip for those that do not do "Routinely" | N | 2 | A | 1='Very easy' 2='Somewhat easy' 3='Somewhat difficult' 4='Very difficult' -7='Not applicable' -9='Blank' |
| NA/A 18k | TASKPC2R | Does the reporting location routinely record a patient advanced directive? | N | 2 | A | 1='Yes' 2='No' -9='Blank' |

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| NA/A 18k | TASKPC2CR | Is the process for recording a patient advanced directive computerized? Recorded w/ skip for those that do not do "Routinely" | N | 2 | A | 1='Yes, usually' 2='Yes, sometimes' 3='No' -7='Not applicable' -9='Blank' |
| NA/A 18k | TASKPC2ER | How easy or difficult is it to record a patient advanced directive with your current Medical Record System? Recorded w/ skip for those that do not do "Routinely" | N | 2 | A | 1='Very easy' 2='Somewhat easy' 3='Somewhat difficult' 4='Very difficult' -7='Not applicable' -9='Blank' |
| NA/A 18l | TASKCC1R | Does the reporting location routinely receive patient clinical information from other providers treating your patient? | N | 2 | A | 1='Yes' 2='No' -9='Blank' |
| NA/A 18l | TASKCC1CR | Is the patient clinical information received from other providers treating your patient computerized? Recorded w/ skip for those that do not do "Routinely" | N | 2 | A | 1='Yes, usually' 2='Yes, sometimes' 3='No' -7='Not applicable' -9='Blank' |
| NA/A 18l | TASKCC1ER | How easy or difficult is it to receive patient clinical information from other providers treating your patient with your current Medical Record System? Recorded w/ skip for those that do not do "Routinely" | N | 2 | A | 1='Very easy' 2='Somewhat easy' 3='Somewhat difficult' 4='Very difficult' -7='Not applicable' -9='Blank' |
| NA/A 18m | TASKCC2R | Does the reporting location routinely receive information needed to continue managing a patient post-hospital discharge? | N | 2 | A | 1='Yes' 2='No' -9='Blank' |
| NA/A 18m | TASKCC2CR | Is the receipt of information needed to continue managing a patient post-hospital discharge computerized? Recorded w/ skip for those that do not do "Routinely" | N | 2 | A | 1='Yes, usually' 2='Yes, sometimes' 3='No' -7='Not applicable' -9='Blank' |

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| NA/A 18m | TASKCC2ER | How easy or difficult is it to receive information needed to continue managing a patient post-hospital discharge with your current Medical Record System? Recorded w/ skip for those that do not do "Routinely" | N | 2 | A | 1='Very easy' 2='Somewhat easy' 3='Somewhat difficult' 4='Very difficult' -7='Not applicable' -9='Blank' |
| NA/A 18n | TASKCC3R | Does the reporting location routinely share patient clinical information with other providers treating your patient? | N | 2 | A | 1='Yes' 2='No' -9='Blank' |
| NA/A 18n | TASKCC3CR | Is the sharing of patient clinical information with other providers treating your patient computerized? Recorded w/ skip for those that do not do "Routinely" | N | 2 | A | 1='Yes, usually' 2='Yes, sometimes' 3='No' -7='Not applicable' -9='Blank' |
| NA/A 18n | TASKCC3ER | How easy or difficult is it to share patient clinical information with other providers treating your patient with your current Medical Record System? Recorded w/ skip for those that do not do "Routinely" | N | 2 | A | 1='Very easy' 2='Somewhat easy' 3='Somewhat difficult' 4='Very difficult' -7='Not applicable' -9='Blank' |
| NA19f/A21a | BARANN | Annual EHR maintenance cost as barrier | N | 2 | A | 1='Major barrier' 2='Minor barrier' 3='Not a barrier' -7='not applicable' -9='Blank' |
| NA19g/A21b | BARPROD | Loss of productivity during transition as barrier | N | 2 | A | 1='Major barrier' 2='Minor barrier' 3='Not a barrier' -7='not applicable' -9='Blank' |

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| NA19h/A21c | BARTRAIN | Adequacy of training for staff and physician as barrier | N | 2 | A | 1='Major barrier 2='Minor barrier' 3='Not a barrier' -7='not applicable' -9='Blank' |
| NA19i/A21d | BARTECH | Adequacy of EHR technical support as barrier | N | 2 | A | 1='Major barrier 2='Minor barrier' 3='Not a barrier' -7='not applicable' -9='Blank' |
| NA19j/A21e | BARNET | Internet access as barrier | N | 2 | A | 1='Major barrier 2='Minor barrier' 3='Not a barrier' -7='not applicable' -9='Blank' |
| NA19k/A21f | BARRELI | Reliability of EHR system as barrier | N | 2 | A | 1='Major barrier 2='Minor barrier' 3='Not a barrier' -7='not applicable' -9='Blank' |
| NA19l/A21h | BARRSST | Resistance to change work habits as barrier | N | 2 | A | 1='Major barrier 2='Minor barrier' 3='Not a barrier' -7='not applicable' -9='Blank' |
| NA/A22 | EHR SAT | Overall EHR Satisfaction | N | 2 | AO | 1='Very satisfied' 2='Somewhat satisfied' 3='Somewhat dissatisfied' 4='Very dissatisfied' -7='not applicable' -9='Blank' |

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| NA/A23 | PURAGA | Purchase EHR again | N | 2 | AO | 1='Yes' 2='No' 3='Uncertain' -7='not applicable' -9='Blank' |
| NA/A24 | EHRINSYR | Which year did you install your EHR/EMR system | N | 4 | AO | 1970-2012='Valid range' -7= 'Not Applicable' -8 = 'Unknown' -9 ='Blank' |
| Derived from NA/A25 | EHRNAM | What is the name of your current EHR/EMR system? | N | 2 | AO | 1='Allscripts' 2='Cerner' 3='eClinicalWorks' 4='Epic' 5='GE/Centricity' 6='Greenway Medical' 7='Mckesson/Practice Partner' 8= 'NextGen' 9='Sage/ Vitera' 10='Other' 12='Two or more boxes checked' -7= 'Not Applicable' -8='Unknown' -9='Blank' |
| NA/A25 | EHRNAMOTH | What is the name of your current EHR/EMR system? | C | 30 | AO | Other='entry made' -7='non applicable' -9='Blank' |
| NA27/A26 | CMSMU | Does your current system meet meaningful use criteria defined by CMS? | N | 2 | AO | 1='Yes' 2='No' 3='Uncertain' -7='not applicable' -9='Blank' |

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| NA/27aA26a | CMSMUUPG | Are there plans to upgrade your system to meet MU criteria? | N | 2 | AO | 1='yes already upgraded' 2='yes plan to upgrade' 3='No' 4='uncertain' -7='not applicable' -9='blank' |
| NA30/A28 | CLSTAFFINC | Changes in Clinical Staff- Overall clinical staff increased | N | 2 | AO | 0='box not marked' 1='box marked' -7='Not applicable' |
| NA30/A28 | CLSTAFFDEC | Changes in Clinical Staff- Overall clinical staff decreased | N | 2 | AO | 0='box not marked' 1='box marked' -7='Not applicable' |
| NA30/A28 | CLSTAFFRESP | Changes in Clinical Staff- Shift in responsibilities among existing staff | N | 2 | AO | 0='box not marked' 1='box marked' -7='Not applicable' |
| NA30/A28 | CLSTAFFNOCHG | Changes in Clinical Staff- No staff changes | N | 2 | AO | 0='box not marked' 1='box marked' -7='Not applicable' |
| NA30/A28 | CLSTAFFUNC | Changes in Clinical Staff- Uncertain changes | N | 2 | AO | 0='box not marked' 1='box marked' -7='Not applicable' |

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| Derived NA30/A28 | CLSTAFFCHG | Types of Clinical Staff changes at the reporting location | N | 2 | AO | 1='Increased clinical staff only' 2='Decreased clinical staff only' 3='Shift in clinical staff responsibilities only' 4='Increased clinical staff and shifted responsibilities' 5='Decreased clinical staff and shifted responsibilities' 6='Increased and decreased clinical staff' 7='Increased, decreased, and shifted clinical staff roles' 8='no clinical staff changes' 9='uncertain' -7='not applicable' -9='Blank' |
| NA31/A29 | ADSTAFFINC | Changes in Administrative Staff- Overall Administrative staff increased | N | 2 | AO | 0='box not marked' 1='box marked' -7='Not applicable' |
| NA31/A29 | ADSTAFFDEC | Changes in Administrative Staff- Overall Administrative staff decreased | N | 2 | AO | 0='box not marked' 1='box marked' -7='Not applicable' |
| NA31/A29 | ADSTAFFRESP | Changes in Administrative Staff- Shift in responsibilities among existing staff | N | 2 | AO | 0='box not marked' 1='box marked' -7='Not applicable' |
| NA31/A29 | ADSTAFFNOCHG | Changes in Administrative Staff- No staff changes | N | 2 | AO | 0='box not marked' 1='box marked' -7='Not applicable' |
| NA31/A29 | ADSTAFFUNC | Changes in Administrative Staff- Uncertain staff changes | N | 2 | AO | 0='box not marked' 1='box marked' -7='Not applicable' |

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| Derived NA31/A29 | ADSTAFFCHG | Types of Clinical Staff changes at the reporting location | N | 2 | AO | 1='Increased administrative staff only' 2='Decreased administrative staff only' 3= 'Shift in administrative staff responsibilities only' 4='Increased administrative staff and shifted responsibilities' 5='Decreased administrative staff and shifted responsibilities' 6='Increased and decreased administrative staff' 7='Increased, decreased, and shifted administrative staff roles" 8='no administrative staff changes' 9='uncertain' -7='not applicable' -9='Blank' |
| NA32/A30 | PRODREV | Revenue generated by the reporting location over the last year | N | 2 | A | 1='revenue increased' 2='revenue decreased' 3='revenue stayed the same' 4='uncertain' -9='Blank' |
| NA32a/A30a | PRODREVEHR | Change in revenue due to the EHR? | N | 2 | A | 1='yes' 2='no' 3='uncertain' -7= not applicable -9='blank' |
| NA33/A31(1) | PTVIEWTST | Patient can view test results online | N | 1 | A | 0='box not marked' 1='box marked' |
| NA33/A31(2) | PTRQREF | Patient can request referrals online | N | 1 | A | 0='box not marked' 1='box marked' |
| NA33/A31(3) | PTRQRX | Patient can request refills for prescriptions online | N | 1 | A | 0='box not marked' 1='box marked' |

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| NA33/A31(4) | PTQAPT | Patient can request appointments online | N | 1 | A | 0='box not marked' 1='box marked' |
| NA33/A31(5) | PTONLINEN | Patient online activities not available at location | N | 1 | A | 0='box not marked' 1='box marked' |
| NA33/A31(6) | PTONLINEU | Uncertain if patients have any online activities at location | N | 1 | A | 0='box not marked' 1='box marked' |
| Derived from NA33/A31 | PTONLINE | Can Patients do any online activities? | N | 2 | A | 1='yes' 2='no' 3='uncertain' -9='blank' |
| NA34/A32(1) | NASSEL | Need assistance with EHR selection? | N | 1 | A | 0='box not marked' 1='box marked' |
| NA34/A32(2) | NASSIMP | Need assistance with EHR implementation? | N | 1 | A | 0='box not marked' 1='box marked' |
| NA34/A32(3) | NASSTR | Need assistance with training staff? | N | 1 | A | 0='box not marked' 1='box marked' |
| NA34/A32(4) | NASSO | Need assistance with other? | N | 1 | A | 0='box not marked' 1='box marked' |
| NA34/A32(5) | NASSU | Uncertain with assistance needed | N | 1 | A | 0='box not marked' 1='box marked' |
| NA34/A32(6) | NASSNO | No assistance needed | N | 1 | A | 0='box not marked' 1='box marked' |
| Derived NA34/A32 | NASS | Need for assistance with EHR system? | N | 2 | A | 1='yes' 2='no' 3='uncertain' -9='blank' |
| NA35/A33 | SASS | Receive Assistance with selecting a system? | N | 1 | A | 1='yes' 2='no' 3='uncertain' -9='blank' |
| NA35/A33 | SASSVEND | Vendor Assistance Selecting EHR | N | 2 | A | 0='box not marked' 1='box marked' -7= Not Applicable |

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| NA35/A33 | SVENDSAT | Satisfaction with Vendor assistance selecting an EHR | N | 2 | A | 1='very satisfied' 2='somewhat satisfied' 3='somewhat dissatisfied' 4='very dissatisfied' -7= Not Applicable -9='Blank' |
| NA35/A33 | SASSREC | Regional Extension Center Assistance Selecting EHR | N | 2 | A | 0='box not marked' 1='box marked' -7= Not Applicable |
| NA35/A33 | SRECSAT | Satisfaction with REC assistance selecting an EHR | N | 2 | A | 1='very satisfied' 2='somewhat satisfied' 3='somewhat dissatisfied' 4='very dissatisfied' -9='Blank' |
| NA35/A33 | SASSCC | Consulting Company Assistance Selecting EHR | N | 2 | A | 0='box not marked' 1='box marked' -7= Not Applicable |
| NA35/A33 | SCCSAT | Satisfaction with consulting company assistance selecting an EHR | N | 2 | A | 1='very satisfied' 2='somewhat satisfied' 3='somewhat dissatisfied' 4='very dissatisfied' -7= Not Applicable -9='Blank' |
| NA35/A33 | SASSO | Other Assistance Selecting an EHR | N | 2 | A | 0='box not marked' 1='box marked' -7= Not Applicable |
| NA35/A33 | SOSAT | Satisfaction with other assistance selecting an EHR | N | 2 | A | 1='very satisfied' 2='somewhat satisfied' 3='somewhat dissatisfied' 4='very dissatisfied' -7= Not Applicable -9='Blank' |

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|----------|-----------------|---|---|---|---|--|
| NA36/A34 | IASS | Receive assistance with implementing system? | N | 2 | A | 1='yes' 2='no' 3='uncertain' -9='blank' |
| NA36/A34 | IASSVEND | Vendor Assistance implementing EHR | N | 2 | A | 0='box not marked' 1='box marked' -7= Not Applicable |
| NA36/A34 | IVENDSAT | Satisfaction with Vendor assistance implementing an EHR | N | 2 | A | 1='very satisfied' 2='somewhat satisfied' 3='somewhat dissatisfied' 4='very dissatisfied' -7= Not Applicable -9='Blank' |
| NA36/A34 | IASSREC | Regional Extension Center Assistance implementing an EHR | N | 2 | A | 0='box not marked' 1='box marked' -7= Not Applicable |
| NA36/A34 | IRECSAT | Satisfaction with REC assistance implementing an EHR | N | 2 | A | 1='very satisfied' 2='somewhat satisfied' 3='somewhat dissatisfied' 4='very dissatisfied' -7= Not Applicable -9='Blank' |
| NA36/A34 | IASSCC | Consulting Company Assistance implementing an EHR | N | 2 | A | 0='box not marked' 1='box marked' -7= Not Applicable |
| NA36/A34 | ICCSAT | Satisfaction with consulting company assistance implementing an EHR | N | 2 | A | 1='very satisfied' 2='somewhat satisfied' 3='somewhat dissatisfied' 4='very dissatisfied' -7= Not Applicable -9='Blank' |
| NA36/A34 | IASSO | Receive Other Assistance implementing an EHR | N | 2 | A | 0='box not marked' 1='box marked' -7= Not Applicable |

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|----------|-----------------|--|---|---|---|--|
| NA36/A34 | IOSAT | Satisfaction with other assistance implementing an EHR | N | 2 | A | 1='very satisfied' 2='somewhat satisfied' 3='somewhat dissatisfied' 4='very dissatisfied' -7= Not Applicable -9='Blank' |
| NA37/A35 | TASS | Receive assistance with training staff in using EHR? | N | 2 | A | 1='yes' 2='no' 3='uncertain' -9='blank' |
| NA37/A35 | TASSVEND | Vendor Assistance with training staff | N | 2 | A | 0='box not marked' 1='box marked' -7= Not Applicable |
| NA37/A35 | TVENDSAT | Satisfaction with Vendor assistance with training staff | N | 2 | A | 1='very satisfied' 2='somewhat satisfied' 3='somewhat dissatisfied' 4='very dissatisfied' -7= Not Applicable -9='Blank' |
| NA37/A35 | TASSREC | Regional Extension Center Assistance with training staff | N | 2 | A | 0='box not marked' 1='box marked' -7= Not Applicable |
| NA37/A35 | TRECSAT | Satisfaction with REC assistance with training staff | N | 2 | A | 1='very satisfied' 2='somewhat satisfied' 3='somewhat dissatisfied' 4='very dissatisfied' -7= Not Applicable -9='Blank' |
| NA37/A35 | TASSCC | Consulting Company Assistance with training staff | N | 2 | A | 0='box not marked' 1='box marked' -7= Not Applicable |

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|----------|------------------|---|---|---|---|--|
| NA37/A35 | TCCSAT | Satisfaction with consulting company assistance with training staff | N | 2 | A | 1='very satisfied' 2='somewhat satisfied' 3='somewhat dissatisfied' 4='very dissatisfied' -7= Not Applicable -9='Blank' |
| NA37/A35 | TASSO | Receive Other Assistance implementing an EHR | N | 2 | A | 0='box not marked' 1='box marked' -7= Not Applicable |
| NA37/A35 | TOSAT | Satisfaction with other assistance with training staff | N | 2 | A | 1='very satisfied' 2='somewhat satisfied' 3='somewhat dissatisfied' 4='very dissatisfied' -7= Not Applicable -9='Blank' |
| NA38/A36 | EMRINS12 | plans for installing a new EHR system in 12 months? | N | 2 | A | 1='yes' 2='no' 3='maybe' -8='unknown' -9='blank' |
| NA40/A38 | WCOMPWFS2 | Who completed the form / refused | N | 2 | A | 1='Physician' 2='Office staff' 3='Other' 4=Boxes 1 and 2 are checked 5=Boxes 1 and 3 are checked 6=Boxes 2 and 3 are checked 7=All three boxes are checked -9='Blank' |

| ADOPTER | | | | | | |
|---------|----------------|--|---|---|----|---|
| A19a | PRACTEF | Overall, my practice has functioned more efficiently. | N | 2 | AO | 1='Strongly agree' 2='Somewhat agree' 3='Somewhat disagree' 4='Strongly disagree' -7='Not applicable' -9='Blank' |
| A19b | TIMEREV | Amount of time spent to plan review order and document care has increased. | N | 2 | AO | 1='Strongly agree' 2='Somewhat agree' 3='Somewhat disagree' 4='Strongly disagree' -7='Not applicable' -9='Blank' |
| A19c | TIMERXC | Amount of time spent responding to pharmacy calls increased. | N | 2 | AO | 1='Strongly agree' 2='Somewhat agree' 3='Somewhat disagree' 4='Strongly disagree' -7='Not applicable' -9='Blank' |
| A19d | ETIME | Overall, my EHR saves me time | N | 2 | AO | 1='Strongly agree' 2='Somewhat agree' 3='Somewhat disagree' 4='Strongly disagree' -7='Not applicable' -9='Blank' |
| A19e | ERXTIME | Sending prescriptions electronically saves (would save) me time | N | 2 | AO | 1='Strongly agree' 2='Somewhat agree' 3='Somewhat disagree' 4='Strongly disagree' -7='Not applicable' -9='Blank' |

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|------|----------------|---|---|---|----|---|
| A19f | OVISINC | The number of weekly office visits increased | N | 2 | AO | 1='Strongly agree' 2='Somewhat agree' 3='Somewhat disagree' 4='Strongly disagree' -7='Not applicable' -9='Blank' |
| A19g | FASTLAB | My practice receives (would receive) lab results faster | N | 2 | AO | 1='Strongly agree' 2='Somewhat agree' 3='Somewhat disagree' 4='Strongly disagree' -7='Not applicable' -9='Blank' |
| A19h | PAPRSAV | My practice saves on costs associated with managing & storing paper records | N | 2 | AO | 1='Strongly agree' 2='Somewhat agree' 3='Somewhat disagree' 4='Strongly disagree' -7='Not applicable' -9='Blank' |
| A19i | BILLESS | Billing for services is less complete | N | 2 | AO | 1='Strongly agree' 2='Somewhat agree' 3='Somewhat disagree' 4='Strongly disagree' -7='Not applicable' -9='Blank' |
| A19j | FINABEN | My EHR produces financial benefits for my practice | N | 2 | AO | 1='Strongly agree' 2='Somewhat agree' 3='Somewhat disagree' 4='Strongly disagree' -7='Not applicable' -9='Blank' |

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|------|------------------|--|---|---|----|---|
| A19k | CLINBEN | My EHR produces clinical benefits for my practice | N | 2 | AO | 1='Strongly agree' 2='Somewhat agree' 3='Somewhat disagree' 4='Strongly disagree' -7='Not applicable' -9='Blank' |
| A19l | EHRCARE | My EHR allows me to deliver better patient care | N | 2 | AO | 1='Strongly agree' 2='Somewhat agree' 3='Somewhat disagree' 4='Strongly disagree' -7='Not applicable' -9='Blank' |
| A19m | RECAVAIL | My EHR makes records more readily available at the point-of-care | N | 2 | AO | 1='Strongly agree' 2='Somewhat agree' 3='Somewhat disagree' 4='Strongly disagree' -7='Not applicable' -9='Blank' |
| A19n | EHRDISRPT | My EHR disrupts the way I interact with patients. | N | 2 | AO | 1='Strongly agree' 2='Somewhat agree' 3='Somewhat disagree' 4='Strongly disagree' -7='Not applicable' -9='Blank' |
| A19o | RECRUIT | My EHR is an asset when recruiting physicians to join the practice | N | 2 | AO | 1='Strongly agree' 2='Somewhat agree' 3='Somewhat disagree' 4='Strongly disagree' -7='Not applicable' -9='Blank' |

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|------|------------------|--|---|---|----|---|
| A19p | DATACON | My EHR enhances data confidentiality | N | 2 | AO | 1='Strongly agree' 2='Somewhat agree' 3='Somewhat disagree' 4='Strongly disagree' -7='Not applicable' -9='Blank' |
| A19q | TRANSCOST | My EHR reduces transcription costs. | N | 2 | AO | 1='Strongly agree' 2='Somewhat agree' 3='Somewhat disagree' 4='Strongly disagree' -7='Not applicable' -9='Blank' |
| A20a | ALRTRX | Has use of an EHR in your practice led to being alerted to a potential medication error? | N | 2 | AO | 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' |
| A20b | RXERR | Has use of an EHR in your practice led to a potential medication error? | N | 2 | AO | 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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|------|-----------------|---|---|---|----|---|
| A20c | ALRTLAB | Has use of an EHR in your practice led to being alerted electronically to critical lab values? | N | 2 | AO | 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' |
| A20d | LESSTALK | Has use of an EHR in your practice led to less effective communication during patient visits | N | 2 | AO | 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' |
| A20e | ALRTPREV | Has use of an EHR in your practice led to being reminded to provide preventive care (e.g., vaccine, cancer screening)? | N | 2 | AO | 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' |
| A20f | 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 | AO | 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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|------|-----------------|---|---|---|----|---|
| A20g | IDLAB | Has your EHR system helped you identify needed lab tests (such as HbA1c or LDL)? | N | 2 | AO | 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' |
| A20h | FEWRTEST | Has your EHR system your practice led to ordering fewer tests due to better availability of lab results? | N | 2 | AO | 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' |
| A20i | FORMRX | Has use of an EHR in your practice led to prescribing on-formulary drugs rather than off-formulary drugs? | N | 2 | AO | 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' |
| A20j | PTEMAIL | Has your EHR system facilitated direct communication with a patient (e.g., email or secure messaging)? | N | 2 | AO | 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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|------|----------------|--|---|---|----|---|
| A20k | REMOTE | Has your EHR system helped you access a patient's chart remotely (e.g., from home)? | N | 2 | AO | 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' |
| A20l | ALRTHIE | Has your EHR system alerted you that you received a patient summary from another provider? | N | 2 | AO | 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' |
| A20m | PTCARE | Has your EHR system enhanced overall patient care? | N | 2 | AO | 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' |
| A21g | BARTEMP | Templates customized to specialty or specific patient conditions as barrier | N | 2 | AO | 1='Major barrier' 2='Minor barrier' 3='Not a barrier' -7='not applicable' -9='Blank' |

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|---|----------|--|---|---|----|---|
| A27 | TRAINPHY | Average hours spent in ongoing training over the past year to use your practice's EHR? | N | 2 | AO | 1='1-8 hours' 2='9-40 hours' 3='41 to 80 hours' 4='Over 80 hours' 5='Did not receive ongoing training' -7='not applicable' -9='Blank' |
| NONADOPTER SURVEY VARIABLES ONLY | | | | | | |
| N19a | BARCONS | Reaching consensus within the practice to select an EHR as barrier | N | 2 | A | 1='Major barrier' 2='Minor barrier' 3='Not a barrier' -9='Blank' |
| N19b | BARFIND | Finding an EHR that meets practice needs as barrier | N | 2 | A | 1='Major barrier' 2='Minor barrier' 3='Not a barrier' -9='Blank' |
| N19c | BAREFF | Effort needed to select EHR as barrier | N | 2 | A | 1='Major barrier' 2='Minor barrier' 3='Not a barrier' -9='Blank' |
| N19d | BARPUR | EHR purchase cost as barrier | N | 2 | A | 1='Major barrier' 2='Minor barrier' 3='Not a barrier' -9='Blank' |
| N19e | BARFINA | Ability to secure financing as barrier | N | 2 | A | 1='Major barrier' 2='Minor barrier' 3='Not a barrier' -9='Blank' |

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|------|------------------|---|---|---|---|--|
| N19m | BARVALUE | EHR lacks of demonstrated value | N | 2 | A | 1='Major barrier' 2='Minor barrier' 3='Not a barrier' -9='Blank' |
| N20a | AALRTRX | How likely do you think an EHR system would alert you to potential medication errors? | N | 2 | A | 1='Very likely' 2='Somewhat likely' 3='Not at all likely' -7='not applicable' -9='Blank' |
| N20b | ARXERR | How likely do you think an EHR system would lead to a potential medication error? | N | 2 | A | 1='Very likely' 2='Somewhat likely' 3='Not at all likely' -7='not applicable' -9='Blank' |
| N20c | AALRTLAB | How likely do you think an EHR system would alert you to critical lab values? | N | 2 | A | 1='Very likely' 2='Somewhat likely' 3='Not at all likely' -7='not applicable' -9='Blank' |
| N20d | AALRTPREV | How likely do you think an EHR system would remind you to provide preventive care (e.g., vaccine, cancer screening)? | N | 2 | A | 1='Very likely' 2='Somewhat likely' 3='Not at all likely' -7='not applicable' -9='Blank' |
| N20e | 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 | A | 1='Very likely' 2='Somewhat likely' 3='Not at all likely' -7='not applicable' -9='Blank' |
| N20f | AIDLAB | How likely do you think an EHR system would help you identify needed lab tests (such as HbA1c or LDL)? | N | 2 | A | 1='Very likely' 2='Somewhat likely' 3='Not at all likely' -7='not applicable' -9='Blank' |

| | | | | | | |
|------|------------------|---|---|---|---|---|
| N20g | AFEWRTEST | How likely do you think an EHR system would help you order fewer tests due to better availability of lab results? | N | 2 | A | 1='Very likely' 2='Somewhat likely' 3='Not at all likely' -7='not applicable' -9='Blank' |
| N20h | AFORMRX | How likely do you think an EHR system would help you order on-formulary drugs rather than off-formulary drugs? | N | 2 | A | 1='Very likely' 2='Somewhat likely' 3='Not at all likely' -7='not applicable' -9='Blank' |
| N20i | APTEMAIL | How likely do you think an EHR system would facilitate direct communication with a patient? | N | 2 | A | 1='Very likely' 2='Somewhat likely' 3='Not at all likely' -7='not applicable' -9='Blank' |
| N20j | AREMOTE | How likely do you think an EHR system would help you access a patient's chart remotely? | N | 2 | A | 1='Very likely' 2='Somewhat likely' 3='Not at all likely' -7='not applicable' -9='Blank' |
| N20k | AALRTHIE | Has your EHR system alerted you that you received a patient summary from another provider? | N | 2 | A | 1='Very likely' 2='Somewhat likely' 3='Not at all likely' -7='not applicable' -9='Blank' |
| N20l | APTCARE | Overall, how likely do you think an EHR system would enhance patient care? | N | 2 | A | 1='Very likely' 2='Somewhat likely' 3='Not at all likely' -7='not applicable' -9='Blank' |
| N21a | EGOVPAY | Government incentive payments for EHR use | N | 2 | A | 1='Major influence to adopt' 2='Minor influence to adopt' 3='Not an influence to adopt' -9='Blank' |

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|------|-----------------|--|---|---|----|---|
| N21b | EFINAPEN | Proposed financial penalties for not using an EHR | N | 2 | A | 1='Major influence to adopt' 2='Minor influence to adopt' 3='Not an influence to adopt' -9='Blank' |
| N21c | EPRODAVA | Availability of government certified products | N | 2 | A | 1='Major influence to adopt' 2='Minor influence to adopt' 3='Not an influence to adopt' -9='Blank' |
| N21d | ESELASS | Assistance with selecting an EHR system | N | 2 | A | 1='Major influence to adopt' 2='Minor influence to adopt' 3='Not an influence to adopt' -9='Blank' |
| N21e | ETECHASS | Technical assistance w/ EHR implementation in your practice | N | 2 | A | 1='Major influence to adopt' 2='Minor influence to adopt' 3='Not an influence to adopt' -9='Blank' |
| N21f | ECOLLEAG | EHR systems being used by trusted colleagues | N | 2 | A | 1='Major influence to adopt' 2='Minor influence to adopt' 3='Not an influence to adopt' -9='Blank' |
| N21g | ECAPHIE | Capability of exchanging information electronically within your referral network | N | 2 | A | 1='Major influence to adopt' 2='Minor influence to adopt' 3='Not an influence to adopt' -9='Blank' |
| N21h | EREQBC | Requirement to use EHR for maintenance of board certification | N | 2 | A | 1='Major influence to adopt' 2='Minor influence to adopt' 3='Not an influence to adopt' -9='Blank' |
| N26 | EHRSYS | EHR System type | N | 2 | AO | 1='Stand alone' 2='Web-based design' -7='non applicable' -9='Blank' |

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|------------------------------|----------------|---|---|---|----|---|
| N28 | TRAINCL | Average hours clinical staff spent in training to implement EHR system? | N | 2 | AO | 1='1-8 hours' 2='9-40 hours' 3='41 to 80 hours' 4='Over 80 hours' 5='Did not receive training' -7='not applicable' -9='Blank' |
| N29 | TRAINNC | Average hours non-clinical staff spent in training to implement EHR system? | N | 2 | AO | 1='1-8 hours' 2='9-40 hours' 3='41 to 80 hours' 4='Over 80 hours' 5='Did not receive training' -7='not applicable' -9='Blank' |
| WORKFLOW RECODES | | | | | | |
| Recode from EHRNAM, EHRONAME | EHRNAMR | What is the name of your current EHR/EMR system? | N | 2 | AO | 1='Allscripts' 2='Cerner' 3='eClinicalWorks' 4='Epic' 5='GE/Centricity' 6='Greenway Medical' 7='Mckesson/Practice Partner' 8='NextGen' 9='Sage/ Vitera' 10='Other' 12='Two or more boxes checked' 13=' ATHENA, ATHENA HEALTH, ATHENANET' 14=' MEDENT' 15=' SOAPWARE' 16=' EMD, EMDS, E MD, E MDS, E-MDS' 17=' AMAZING CHARTS' 18=' PRACTICE FUSION' |

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|------------------------|----------------------|--|---|---|---|---|
| | | | | | | -7='Not Applicable' -8='Unknown' -9='Blank' |
| Derived from SASSONAME | SASSOCAT | Category of SASSONAME, derived during post-delivery data editing. | N | 2 | A | 1='Hospital IT' 2='Internal support' 3='Other' -7='Not applicable' |
| Derived from IASSONAME | IASSOCAT | Category of IASSONAME derived during post-delivery data editing. | N | 2 | A | 1='Hospital IT' 2='Internal support' 3='Other' -7='Not applicable' |
| Derived from TASSONAME | TASSOCAT | Category of TASSONAME, derived during post-delivery data editing. | N | 2 | A | 1='Hospital IT' 2='Internal support' 3='Other' -7='Not applicable' |
| Recoded from SIZE | PRACTSIZ | Size of practice grouped based on SIZE | N | 2 | A | 1='Solo practice' 2='Two physicians' 3='3 to 5 physicians' 4='6-10 physicians' 5='11+ physicians' -9='Blank' |
| Recoded from PRACTSIZ | PRACTSIZR | PRACTSIZ with missing values replaced with non-missing 2011 values for those who completed survey. | N | 2 | A | 1='Solo practice' 2='Two physicians' 3='3 to 5 physicians' 4='6-10 physicians' 5='11+ physicians' -9='Blank' |
| Derived | PRACTSIZFL | Imputation flag for PRACTSIZRIMP. | N | 1 | A | 0='Not imputed nor replaced' 1='Replaced from 2011' 2='Imputed' |
| Derived from PRACTSIZ | PRACTSIZRIMP1 | PRACTSIZ with missing either replaced or imputed from cycle 1 of hotdeck imputation. | N | 2 | A | 1='Solo practice' 2='Two physicians' 3='3 to 5 physicians' 4='6-10 physicians' 5='11+ physicians' -9='Blank' |

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|--|----------------------|--|---|---|---|---|
| Derived from PRACTSIZ | PRACTSIZRIMP2 | PRACTSIZ with missing either replaced or imputed from cycle 2 of hotdeck imputation. | N | 2 | A | 1='Solo practice' 2='Two physicians' 3='3 to 5 physicians' 4='6-10 physicians' 5='11+ physicians' -9='Blank' |
| Derived from PRACTSIZ | PRACTSIZRIMP3 | PRACTSIZ with missing either replaced or imputed from cycle 3 of hotdeck imputation. | N | 2 | A | 1='Solo practice' 2='Two physicians' 3='3 to 5 physicians' 4='6-10 physicians' 5='11+ physicians' -9='Blank' |
| Derived from PRACTSIZ | PRACTSIZRIMP4 | PRACTSIZ with missing either replaced or imputed from cycle 4 of hotdeck imputation. | N | 2 | A | 1='Solo practice' 2='Two physicians' 3='3 to 5 physicians' 4='6-10 physicians' 5='11+ physicians' -9='Blank' |
| Derived from PRACTSIZ | PRACTSIZRIMP5 | PRACTSIZ with missing either replaced or imputed from cycle 5 of hotdeck imputation. | N | 2 | A | 1='Solo practice' 2='Two physicians' 3='3 to 5 physicians' 4='6-10 physicians' 5='11+ physicians' -9='Blank' |
| EMR RECODED AND CREATED VARIABLES | | | | | A | |
| Recoded from Physician sample file | MSA | Metropolitan Status (2 categories) | N | 1 | A | 1='MSA' 2='non-MSA' |
| Recoded from SPECR & SPEC | SPECCAT | Physician specialty type | N | 1 | A | 1='Primary care specialty' 2='Surgical specialty' 3='Medical specialty' |
| Recoded: SOLO1-MULTI1 | MULTIR1 | Recoded Solo and Multi variables | N | 1 | A | 1='Single-specialty practice' 2='Multi-specialty practice' 3='Solo practice' -8='Unknown' |
| SAMPLE FILE | | | | | A | |

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|--|--------------------|--|---|---|---|--|
| Physician Sample File; updated by zip if physician moved | REGION | Region of the Physicians Interview office | N | 1 | A | 1='NE' 2='MW' 3='S' 4='W' |
| Physician Sample File | PHYSEX | Sex of Physician | N | 1 | A | 1='Female' 2='Male' -9='Blank' |
| Recode from PYOB | PAGE50 | Physician age; grouped | N | 1 | A | 1='Under 50 years' 2='50 years and over' |
| SUDAAN VARIABLES | | | | | | |
| Sample=PHYID | PROVIDE | Provider code. | N | 4 | A | 80000-90302='Valid range' |
| Derived | YEAR | Survey year | N | 4 | A | 2012='Year: 2012' |
| Derived | SUBFILE | Survey identifier | N | 1 | A | 1='NAMCS' |
| Sample | PROSTRAT | Provider sampled specialty stratum. | N | 2 | A | 1-15='valid range' |
| Derived | STATE | State where the physician was sampled | N | 2 | A | 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 | A | 1-9999999='Valid range' |
| 2012-specific derived variables | | | | | | |
| Derived | ADOPTSTAT | Adopter status after year 2 (2012) workflow survey | N | 1 | A | 1='adopter' 2='nonadopter' 3='Unknown' |
| Derived | YR2WFWT | Rounded adjusted ratio adjusted doctor weight (responding doctors) | N | 6 | A | 0='Out of scope or refused doctors' 1-999999='Responding doctors' |
| Recode of DISPEMRWF2 | DISPEMRWF2R | Derived final disposition of Workflow Mail Survey Year 2, updated | N | 2 | A | 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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| Recode of INSTAT2 | INSTAT2R | Disposition of Workflow Mail Survey Year 2 | N | 1 | A | 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)' |
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