Question number from 2014 NEHRS	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(80000-90302)'
	SURVER	Survey version	N	2	1= Form - regular 2= Form - extension
Q3	NUMLOC	Number of office locations that patients are seen in a normal week	N	3	00-20='valid range(0-20)' -9='Blank'
Q5	SETTING	Among settings checked in 6, the office setting with the most ambulatory care visits.	N	3	1-8='Valid range(1-8)' -9='Blank'
Q7a	PSIZECAT	Number of physicians working at this practice (at all locations)	N	3	1='1 physician' 2='2-3 physicians'' 3='4-10 physicians' 4='11-50 physicians' 5='51-100 physicians' 6=' More than 100 physicians' -9='Blank'
Q8	MULTI1	Is this location a multi- or single-specialty group practice for the office that has the most ambulatory care visits?	N	3	1='Single' 2='Miulti' -9='Blank'
Q9	MIDLEVP1	How many mid-level providers are at this office that has the most ambulatory care visits?	N	3	00-99='Valid range(0-99)' -9='Blank'
Q10	ACEPTNEW	Are you currently accepting new patients?	N	3	1='Yes' 2='No -8='Uncertain' -9='Blank'
Q10a1	CAPITATE	Type of payment accepted - Capitated Private Insurance.	N	3	1='Yes' 2='No' -8='Uncertain' -7='Not applicable' -9='Blank'
Q10a2	NOCAP	Type of payment accepted - Noncapitated Private Insurance.	N	3	1='Yes' 2='No' -8='Uncertain' -7='Not applicable' -9='Blank'

Question number from 2014 NEHRS	Variable Name	Variable Label	C or N	Length	Values for variable range and labels
	PRIVATE	Type of payment accepted - Private Insurance.	N	3	1='Yes' 2='No' -8='Uncertain' -7='Not applicable' -9='Blank'
Q10a3	NMEDCARE	Type of payment accepted – Medicare.	N	3	1='Yes' 2='No' -8='Uncertain' -7='Not applicable' -9='Blank'
Q10a4	NMEDCAID	Type of payment accepted - Medicaid.	N	3	1='Yes' 2='No' -8='Uncertain' -7='Not applicable' -9='Blank'
Q10a5	NWORKCMP	Type of payment accepted - Worker's compensation.	N	3	1='Yes' 2='No' -8='Uncertain' -7='Not applicable' -9='Blank'
Q10a6	NSELFPAY	Type of payment accepted - Self-pay.	N	3	1='Yes' 2='No' -8='Uncertain' -7='Not applicable' -9='Blank'
Q10a7	NNOCHRGE	Type of payment accepted - No charge.	N	3	1='Yes' 2='No' -8='Uncertain' -7='Not applicable' -9='Blank'
Q11	EBILLREC	Does your practice submit claims electronically?	N	3	1='Yes, all electronic' 2='No' -8='Uncertain' -9='Blank'
Q12	EMEDREC	Does your practice use electronic medical records? (not including billing records)	N	3	1='Yes, all electronic' 2='Yes, part paper and part electronic' 3='No' -8='Uncertain' -9='Blank'
Q12a	EHRINSYR	Which year did you install your EMR/EHR system	N	4	1970-2014='Valid range(1970-2014)' -7= Not Applicable -9 ='Blank'
Q12b	HHSMU	Does your current system meet meaningful use critera as defined by the Department of Health and Human Services?	N	3	1='Yes' 2='No' -8='Uncertain' -7= 'Not Applicable' -9='Blank'

Question number from 2014 NEHRS	Variable Name	Variable Label	C or N	Length	Values for variable range and labels
Q12c	EHRNAM14	What is the name of your current EMR/EHR system?	N	3	1='Allscripts' 2='Amazing Charts' 3='athenahealth' 4='Cerner' 5='eClinicalWorks' 6='e-MD' 7='Epic' 8='GE/Centricity' 9='Greenway Medical' 10='Mckesson/Practice Partner' 11= 'NextGen' 12='Practice Fusion' 13='Sage/ Vitera' 14='Other' 15='Uncertain' (EV=-8) 16='Three or more boxes checked' 17='LSS Medtech' 18='Two boxes checked' -7= 'Not Applicable' -9='Blank'
Q12c - Recode	EHRNAM14R	Two or more EMR/EHR systems selected	N	3	1='Yes' 2='No' -8='Uncertain' -7='Not applicable' -9='Blank'
Q12d	SECURCHCK	Has your practice made an assessment of the potential risks and vulnerabilities of your electronic health information within the last 12 months?	C	30	1='Yes' 2='No' -8='Uncertain' -7='Not applicable' -9='Blank'
Q12e	DIFFEHR	Does your EHR have the capibility to electronically sent health information to another provider whose EHR system is different from your system?	C	30	1='Yes' 2='No' -8='Uncertain' -7='Not applicable' -9='Blank'
Q13	EMRINS	Are there plans for installing a new EMR/EHR within the next 18 months?	N	3	1='Yes' 2='No' 3='Maybe' -8='Uncertain' -9='Blank'

Question number from 2014 NEHRS	Variable Name	Variable Label	C or N	Length	Values for variable range and labels
Q14	**MUINC**	Are there plans to apply for Medicare or Medicaid incentive payments for meaningful use of Health IT?	N	3	1='Yes, we already applied' 2='Yes, we intend to apply' 3='Uncertain if we will apply' 4='No, we will not apply' -9='Blank'
Q14a	**MUSTAGE2**	Are there plans to apply for Stage 2 incentive payments?	N	3	1='Yes' 2='No' 3='Maybe' -8='Uncertain' -9='Blank'
Q15 VARIABLES END WITH "R" WERE RECODED TO MATCH 2009 EMR VARIABLES.					
(Analysis across years should use the variable ending with R)					
Q15a	**EDEMOG**	Does the reporting location have a computerized system for recording patient demographic information? (Analysis across years should use the variable ending with "R")	N	3	1='Yes, used routinely' 2='Yes, but not used routinely' 3='Yes, but turned off or not used' 4= 'No' -8= 'Uncertain' -9='Blank'
Q15a	EDEMOGR	Does the reporting location have a computerized system for recording patient demographic information? (recoded)	N	3	1='Yes' 2='No' 4='Yes, but turned off or not used' -8='Uncertain' -7='Not Applicable' -9='Blank'
Q15b	**EPROLST**	Does the reporting location have a computerized system for recording patient problem lists? (Analysis across years should use the variable ending with "R")	N	3	1='Yes, used routinely' 2='Yes, but not used routinely' 3='Yes, but turned off or not used' 4= 'No' -8= 'Uncertain' -7= 'Not Applicable' -9='Blank'
Q15b	EPROLSTR	Does the reporting location have a computerized system for recording patient problem lists? (recoded)	N	3	1='Yes' 2='No' 4='Yes, but turned off or not used' -8='Uncertain' -7= 'Not Applicable' -9='Blank'
Q15c	**EVITAL**	Does the reporting location have a computerized system for recording and charting vital signs? (Analysis across years should use the variable ending with "R")	N	3	1='Yes, used routinely' 2='Yes, but not used routinely' 3='Yes, but turned off or not used' 4= 'No' -8= 'Uncertain' -7= 'Not Applicable' -9='Blank'

Question number from 2014 NEHRS	Variable Name	Variable Label	C or N	Length	Values for variable range and labels
Q15c	EVITALR	Does the reporting location have a computerized system for recording and charting vital signs? (recoded)	N	3	1='Yes' 2='No' 4='Yes, but turned off or not used' -8='Uncertain' -7='Not Applicable' -9='Blank'
Q15d	ESMOKE	Does the reporting location have a computerized system for recording patient smoking status? (Analysis across years should use the variable ending with "R")	N	3	1='Yes, used routinely' 2='Yes, but not used routinely' 3='Yes, but turned off or not used' 4= 'No' -8= 'Uncertain' -7= 'Not Applicable' -9='Blank'
Q15d	ESMOKER	Does the reporting location have a computerized system for recording patient smoking status? (recoded)	N	3	1='Yes' 2='No' 4='Yes, but turned off or not used' -8='Uncertain' -7='Not Applicable' -9='Blank'
Q15e	EPNOTES	Does the reporting location have a computerized system for recording clinical notes? (Analysis across years should use the variable ending with "R")	N	3	1='Yes, used routinely' 2='Yes, but not used routinely' 3='Yes, but turned off or not used' 4= 'No' -8= 'Uncertain' -7= 'Not Applicable' -9='Blank'
Q15e	EPNOTESR	Does the reporting location have a computerized system for recording clinical notes? (recoded)	N	3	1='Yes' 2='No' 4='Yes, but turned off or not used' -8='Uncertain' -7='Not Applicable' -9='Blank'
Q15f	EMEDALG	Does the reporting location have a computerized system for recording patient's' medications and allergies? (Analysis across years should use the variable ending with "R")	N	3	1='Yes, used routinely' 2='Yes, but not used routinely' 3='Yes, but turned off or not used' 4= 'No' -8= 'Uncertain' -7= 'Not Applicable' -9='Blank'
Q15f	EMEDALGR	Does the reporting location have a computerized system for recording patient's' medications and allergies? (recoded)	N	3	1='Yes' 2='No' 4='Yes, but turned off or not used' -8='Uncertain' -7= 'Not Applicable' -9='Blank'

Question number from 2014 NEHRS	Variable Name	Variable Label	C or N	Length	Values for variable range and labels
Q15g	EMEDID	Does the reporting location have a computerized system for reconciling lists of patient medications to identify the most accurate list? (Analysis across years should use the variable ending with "R")	N	3	1='Yes, used routinely' 2='Yes, but not used routinely' 3='Yes, but turned off or not used' 4= 'No' -8= 'Uncertain' -9='Blank'
Q15g	EMEDIDR	Does the reporting location have a computerized system for reconciling lists of patient medications to identify the most accurate list? (recoded)	N	3	1='Yes' 2='No' 4='Yes, but turned off or not used' -8='Uncertain' -7='Not Applicable' -9='Blank'
Q15h	EREMIND	Does the reporting location have a computerized system for reminders for guideline-based interventions or screening tests? (Analysis across years should use the variable ending with "R")	N	3	1='Yes, used routinely' 2='Yes, but not used routinely' 3='Yes, but turned off or not used' 4= 'No' -8= 'Uncertain' -9='Blank'
Q15h	EREMINDR	Does the reporting location have a computerized system for reminders for guideline-based interventions or screening tests? (recoded)			1='Yes' 2='No' 4='Yes, but turned off or not used' -8='Uncertain' -7='Not Applicable' -9='Blank'
Q15i	ECPOE	Does the reporting location have a computerized system for ordering prescriptions? (Analysis across years should use the variable ending with "R")	N	3	1='Yes, used routinely' 2='Yes, but not used routinely' 3='Yes, but turned off or not used' 4= 'No' -8= 'Uncertain' -9='Blank'
Q15i	ECPOER	Does the reporting location have a computerized system for ordering prescriptions? (recoded)	N	3	1='Yes' 2='No' 4='Yes, but turned off or not used' -8='Uncertain' -7='Not Applicable' -9='Blank'
Q15i1	ESCRIP	If computerized orders for prescriptions are included, are prescriptions sent electronically to the pharmacy? (Analysis across years should use the variable ending with "R")	N	3	1='Yes, used routinely' 2='Yes, but not used routinely' 3='Yes, but turned off or not used' 4= 'No' -8= 'Uncertain' -7= 'Not Applicable' -9='Blank'

Question number from 2014 NEHRS	Variable Name	Variable Label	C or N	Length	Values for variable range and labels
Q15i1	ESCRIPR	If computerized orders for prescriptions are included, are prescriptions sent electronically to the pharmacy? (recoded)	N	3	1='Yes' 2='No' 4='Yes, but turned off or not used' -8='Uncertain' -7= 'Not Applicable' -9='Blank'
Q15i2	EWARN	If computerized orders for prescriptions are included, are there warnings of drug interactions or contraindications provided? (Analysis across years should use the variable ending with "R")	N	3	1='Yes, used routinely' 2='Yes, but not used routinely' 3='Yes, but turned off or not used' 4= 'No' -8= 'Uncertain' -7= 'Not Applicable' -9='Blank'
Q15i2	EWARNR	If computerized orders for prescriptions are included, are there warnings of drug interactions or contraindications provided? (recoded)	N	3	1='Yes' 2='No' 4='Yes, but turned off or not used' -8='Uncertain' -7= 'Not Applicable' -9='Blank'
Q15i3	EFORMULA	If yes, are drug formular checks performed? (Analysis across years should use the variable ending with "R")	N	3	1='Yes, used routinely' 2='Yes, but not used routinely' 3='Yes, but turned off or not used' 4= 'No' -8= 'Uncertain' -9='Blank'
Q15i3	EFORMULAR	If yes, are drug formular checks performed?(recoded)	N	3	1='Yes' 2='No' 4='Yes, but turned off or not used' -8='Uncertain' -7='Not Applicable' -9='Blank'
Q15j	ECTOE	Does the reporting location have a computerized system for ordering lab tests? (Analysis across years should use the variable ending with "R")	N	3	1='Yes, used routinely' 2='Yes, but not used routinely' 3='Yes, but turned off or not used' 4= 'No' -8= 'Uncertain' -9='Blank'
Q15j	ECTOER	Does the reporting location have a computerized system for ordering lab tests? (recoded)	N	3	1='Yes' 2='No' 4='Yes, but turned off or not used' -8='Uncertain' -7='Not Applicable' -9='Blank'

Question number from 2014 NEHRS	Variable Name	Variable Label	C or N	Length	Values for variable range and labels
Q15j1	EORDER	If the reporting location has a computerized system for computerized orders for lab tests, are orders sent electronically? (Analysis across years should use the variable ending with "R")	N	3	1='Yes, used routinely' 2='Yes, but not used routinely' 3='Yes, but turned off or not used' 4= 'No' -8= 'Uncertain' -9='Blank'
Q15j1	EORDERR	If the reporting location has a computerized system for computerized orders for lab tests, are orders sent electronically? (recoded)	N	3	1='Yes' 2='No' 4='Yes, but turned off or not used' -8='Uncertain' -7='Not Applicable' -9='Blank'
Q15k	ERESULT	Does the reporting location have a computerized system for viewing imaging results? (Analysis across years should use the variable ending with "R")	N	3	1='Yes, used routinely' 2='Yes, but not used routinely' 3='Yes, but turned off or not used' 4= 'No' -8= 'Uncertain' -9='Blank'
Q15k	ERESULTR	Does the reporting location have a computerized system for viewing imaging results? (recoded)	N	3	1='Yes' 2='No' 4='Yes, but turned off or not used' -8='Uncertain' -7='Not Applicable' -9='Blank'
Q15k1	EGRAPH	If the reporting location has a computerized system for viewing lab results, can the EHR/EMR automatically graph a specific patient's lab results over time? (Analysis across years should use the variable ending with "R")	N	3	1='Yes, used routinely' 2='Yes, but not used routinely' 3='Yes, but turned off or not used' 4= 'No' -8= 'Uncertain' -7= 'Not Applicable' -9='Blank'
Q15k1	EGRAPHR	If the reporting location has a computerized system for viewing lab results, can the EHR/EMR automatically graph a specific patient's lab results over time? (recoded)	N	3	1='Yes' 2='No' 4='Yes, but turned off or not used' -8='Uncertain' -7= 'Not Applicable' -9='Blank'
Q15l	ERADI	Does the reporting location have a computerized system for ordering radiology tests? (Analysis across years should use the variable ending with "R")	N	3	1='Yes, used routinely' 2='Yes, but not used routinely' 3='Yes, but turned off or not used' 4= 'No' -8= 'Uncertain' -9='Blank'

Question number from 2014 NEHRS	Variable Name	Variable Label	C or N	Length	Values for variable range and labels
Q15l	ERADIR	Does the reporting location have a computerized system for ordering radiology tests? (recoded)	N	3	1='Yes' 2='No' 4='Yes, but turned off or not used' -8='Uncertain' -7='Not Applicable' -9='Blank'
Q15m	EIMGRES	Does the reporting location have a computerized system for viewing imaging results? (Analysis across years should use the variable ending with "R")	N	3	1='Yes, used routinely' 2='Yes, but not used routinely' 3='Yes, but turned off or not used' 4= 'No' -8= 'Uncertain' -9='Blank'
Q15m	EIMGRESR	Does the reporting location have a computerized system for viewing imaging results? (recoded)	N	3	1='Yes' 2='No' 4='Yes, but turned off or not used' -8='Uncertain' -9='Blank'
Q15n	EPTEDU	Does the reporting location have a computerized system for identifying educational resources for patients' specific conditions? (Analysis across years should use the variable ending with "R")	N	3	1='Yes, used routinely' 2='Yes, but not used routinely' 3='Yes, but turned off or not used' 4= 'No' -8= 'Uncertain' -9='Blank'
Q15n	EPTEDUR	Does the reporting location have a computerized system for identifying educational resources for patients' specific conditions? (recoded)	N	3	1='Yes' 2='No' 4='Yes, but turned off or not used' -8='Uncertain' -7='Not Applicable' -9='Blank'
Q15o	ECQM	Does the reporting location have a computerized system for reporting clinical quality measures to federal or state agencies? (Analysis across years should use the variable ending with "R")	N	3	1='Yes, used routinely' 2='Yes, but not used routinely' 3='Yes, but turned off or not used' 4= 'No' -8= 'Uncertain' -9='Blank'
Q15o	ECQMR	Does the reporting location have a computerized system for reporting clinical quality measures to federal or state agencies? (recoded)	N	3	1='Yes' 2='No' 4='Yes, but turned off or not used' -8='Uncertain' -7='Not Applicable' -9='Blank'
Q15p	EIDPT	Identifying patients due for preventive or follow-up care in order to send patients reminders? (Analysis across years should use the variable ending with "R")	N	3	1='Yes, used routinely' 2='Yes, but not used routinely' 3='Yes, but turned off or not used' 4= 'No' -8= 'Uncertain' -9='Blank'

Question number from 2014 NEHRS	Variable Name	Variable Label	C or N	Length	Values for variable range and labels
Q15p	EIDPTR	Identifying patients due for preventive or follow-up care in order to send patients reminders? (recoded)	N	3	1='Yes' 2='No' 4='Yes, but turned off or not used' -8-'Uncertain' -7-'Not Applicable' -9-'Blank'
Q15q	EGENLIST	Does the reporting location have a computerized system for generating lists of patients with particular health conditions? (Analysis across years should use the variable ending with "R")	N	3	1='Yes, used routinely' 2='Yes, but not used routinely' 3='Yes, but turned off or not used' 4= 'No' -8= 'Uncertain' -9='Blank'
Q15q	EGENLISTR	Does the reporting location have a computerized system for generating lists of patients with particular health conditions? (recoded)	N	3	1='Yes' 2='No' 4='Yes, but turned off or not used' -8='Uncertain' -7-'Not Applicable' -9='Blank'
Q15r	EIMMREG	Does the reporting location have a computerized system for electronic reporting to immunization registries? (Analysis across years should use the variable ending with "R")	N	3	1='Yes, used routinely' 2='Yes, but not used routinely' 3='Yes, but turned off or not used' 4= 'No' -8= 'Uncertain' -9='Blank'
Q15r	EIMMREGR	Does the reporting location have a computerized system for electronic reporting to immunization registries? (recoded)	N	3	1='Yes' 2='No' 4='Yes, but turned off or not used' -8='Uncertain' -7-'Not Applicable' -9='Blank'
Q15s	ESUM	Does the reporting location have a computerized system for providing patients with clinical summaries for each visit? (Analysis across years should use the variable ending with "R")	N	3	1='Yes, used routinely' 2='Yes, but not used routinely' 3='Yes, but turned off or not used' 4= 'No' -8= 'Uncertain' -9='Blank'
Q15s	ESUMR	Does the reporting location have a computerized system for providing patients with clinical summaries for each visit? (recoded)	N	3	1='Yes' 2='No' 4='Yes, but turned off or not used' -8='Uncertain' -7-'Not Applicable' -9='Blank'

Question number from 2014 NEHRS	Variable Name	Variable Label	C or N	Length	Values for variable range and labels
Q15t	**EMSG**	Does the reporting location have a computerized system for exchanging secure messages with patients? (Analysis across years should use the variable ending with "R")	N	3	1='Yes, used routinely' 2='Yes, but not used routinely' 3='Yes, but turned off or not used' 4= 'No' -8= 'Uncertain' -9='Blank'
Q15t	EMSGR	Does the reporting location have a computerized system for exchanging secure messages with patients? (recoded)	N	3	1='Yes' 2='No' 4='Yes, but turned off or not used' -8='Uncertain' -7-'Not Applicable' -9='Blank'
Q15u	**EPTREC**	Does the reporting location have a computerized system for providing patients the ability to review online, download or transmit information from their medical record? (Analysis across years should use the variable ending with "R")	N	3	1='Yes, used routinely' 2='Yes, but not used routinely' 3='Yes, but turned off or not used' 4= 'No' -8= 'Uncertain' -9='Blank'
Q15u	EPTRECR	Does the reporting location have a computerized system for providing patients the ability to review online, download or transmit information from their medical record? (recoded)	N	3	1='Yes' 2='No' 4='Yes, but turned off or not used' -8='Uncertain' -9='Blank'
Q16	REFOUT	Do you refer any of your patients to providers outside of your office or group?	N	3	1='Yes' 2='No' -9='Blank'
Q16a	REFOUTS	Do you send the patient's clinical information to the other provider?	N	3	1='Yes, routinely' 2='Yes, but not routinely' 3= 'No' -7= 'Not Applicable' -9='Blank'
Q16b	REFOUTSE	Do you send it electronically?	N	3	1='Yes, routinely' 2='Yes, but not routinely' 3= 'No' -7= 'Not Applicable' -9='Blank'
Q17	REFIN	Do you see any patients referred to you by a providers outside of your office or group?	N	3	1='Yes' 2= 'No' -9='Blank'

Question number from 2014 NEHRS	Variable Name	Variable Label	C or N	Length	Values for variable range and labels
Q17a	REFINS	Do you send a consultation report with clinical information to the other providers?	N	3	1='Yes, routinely' 2='Yes, but not routinely' 3= 'No' -7= 'Not Applicable' -9='Blank'
Q17b	REFINSE	Do you send it electronically (not fax)?	N	3	1='Yes, routinely' 2='Yes, but not routinely' 3= 'No' -7= 'Not Applicable' -9='Blank'
Q18	INPTCARE	Do you take care of patients after they are discharged from an inpatient setting?	N	3	1='Yes' 2= 'No' -9='Blank'
Q18a	DISSUM	Do you receive a discharge summary with clinical information from the hospital	N	3	1='Yes, routinely' 2='Yes, but not routinely' 3= 'No' -7= 'Not Applicable' -9='Blank'
Q18b	DISSUME	Do you receive it electronically (not fax)?	N	3	1='Yes, routinely' 2='Yes, but not routinely' 3= 'No' -7= 'Not Applicable' -9='Blank'
Q18c	INCORINFO	Can you automatically incorporate the received information into your EHR system without manually entering the data?	N	3	1='Yes, routinely' 2='Yes, but not routinely' 3= 'No' -7= 'Not Applicable' -9='Blank'
Q19	ESHARE	Do you share any patient health information electronically with other providers?	N	3	1='Yes' 2='No' -9='Blank'
Q19a1	ESHAREEHR	Electronically share patient health information through EHR/EMR	N	3	0='Box is not marked' 1='Box is marked' -7='Not Applicable' -9='All boxes are blank for Item 19a'
Q19a2	ESHAREWEB	Electronically share patient health information through web portal	N	3	0='Box is not marked' 1='Box is marked' -7='Not Applicable' -9='All boxes are blank for Item 19a'
Q19b	EHRTOEHR	Is the patient health information that you share electronically sentd directly from your EHR system to another EHR system?	N	3	1='Yes, routinely' 2='Yes, but not routinely' 3= 'No' -8='Uncertain' -7= 'Not Applicable' -9='Blank'

Question number from 2014 NEHRS	Variable Name	Variable Label	C or N	Length	Values for variable range and labels
Q19c1	**ESHAREPROV1**	Share with: Ambulatory providers inside your office/group	N	3	0='Box is not marked' 1='Box is marked' -7='Not Applicable'
Q19c2	**ESHAREPROV2**	Share with: Ambulatory providers outside your office/group	N	3	0='Box is not marked' 1='Box is marked' -7='Not Applicable'
Q19c3	**ESHAREPROV3**	Share with: Hospitals with which you are affiliated	N	3	0='Box is not marked' 1='Box is marked' -7='Not Applicable'
Q19c4	**ESHAREPROV4**	Share with: Hospitals which you are not affiliated	N	3	0='Box is not marked' 1='Box is marked' -7='Not Applicable'
Q19c5	**ESHAREPROV5**	Share with: Behavioral health providers	N	3	0='Box is not marked' 1='Box is marked' -7='Not Applicable'
Q19c6	**ESHAREPROV6**	Share with: Long-term care providers	N	3	0='Box is not marked' 1='Box is marked' -7='Not Applicable'
Q19c7	**ESHAREPROV7**	Share with: Home health providers	N	3	0='Box is not marked' 1='Box is marked' -7='Not Applicable'
Q19c8	**ESHAREPROV8**	Share with: None of the above	N	3	0='Box is not marked' 1='Box is marked' -7='Not Applicable'
Q19d(a)	**HIEQOC**	HIE improves my practice's quality of care	N	3	1='Strongly agree' 2='Somewhat agree' 3='Somewhat disagree' 4='Strongly disagree' 5='Uncertain' -7='Not applicable' -9='Blank'
Q19d(b)	**HIEEFF**	HIE increases my practice's efficiency	N	3	1='Strongly agree' 2='Somewhat agree' 3='Somewhat disagree' 4='Strongly disagree' 5='Uncertain' -7='Not applicable' -9='Blank'

Question number from 2014 NEHRS	Variable Name	Variable Label	C or N	Length	Values for variable range and labels
Q19d(c)	**HIEVCOST**	HIE increases my practice's vendor costs	N	3	1='Strongly agree' 2='Somewhat agree' 3='Somewhat disagree' 4='Strongly disagree' 5='Uncertain' -7='Not applicable' -9='Blank'
Q19d(d)	**HIEPORT**	HIE requires multiple systems or portals	N	3	1='Strongly agree' 2='Somewhat agree' 3='Somewhat disagree' 4='Strongly disagree' 5='Uncertain' -7='Not applicable' -9='Blank'
Q19d(e)	**HIELIAB**	HIE increases my practice's liability due to other providers lacking adequate privacy/security safeguards	N	3	1='Strongly agree' 2='Somewhat agree' 3='Somewhat disagree' 4='Strongly disagree' 5='Uncertain' -7='Not applicable' -9='Blank'
Q19d(f)	**HIEXINFO**	HIE decreases my ability to separate sensitive health information from other data being exchanged	N	3	1='Strongly agree' 2='Somewhat agree' 3='Somewhat disagree' 4='Strongly disagree' 5='Uncertain' -7='Not applicable' -9='Blank'
Q20a1	**LABRES1**	Share lab results electronically with hospitals with which you are affiliated	N	3	0='Box is not marked' 1='Box is marked' -7='Not Applicable' -9='All boxes are blank for Item 20a'
Q20a2	**LABRES2**	Share lab results electronically with ambulatory providers inside your office/group	N	3	0='Box is not marked' 1='Box is marked' -7='Not Applicable' -9='All boxes are blank for Item 20a'
Q20a3	**LABRES3**	Share lab results electronically with hospitals with which you are not affiliated	N	3	0='Box is not marked' 1='Box is marked' -7='Not Applicable' -9='All boxes are blank for Item 20a'
Q20a4	**LABRES4**	Share lab results electronically with ambulatory providers outside your office/group	N	3	0='Box is not marked' 1='Box is marked' -7='Not Applicable' -9='All boxes are blank for Item 20a'

Question number from 2014 NEHRS	Variable Name	Variable Label	C or N	Length	Values for variable range and labels
Q20b1	**IMAGREP1**	Share imaging reports electronically with hospitals with which you are affiliated	N	3	0='Box is not marked' 1='Box is marked' -7='Not Applicable' -9='All boxes are blank for Item 20b'
Q20b2	**IMAGREP2**	Share imaging reports electronically with ambulatory providers inside your office/group	N	3	0='Box is not marked' 1='Box is marked' -7='Not Applicable' -9='All boxes are blank for Item 20b'
Q20b3	**IMAGREP3**	Share imaging reports electronically with hospitals with which you are not affiliated	N	3	0='Box is not marked' 1='Box is marked' -7='Not Applicable' -9='All boxes are blank for Item 20b'
Q20b4	**IMAGREP4**	Share imaging reports electronically with ambulatory providers outside your office/group	N	3	0='Box is not marked' 1='Box is marked' -7='Not Applicable' -9='All boxes are blank for Item 20b'
Q20c1	**PTPROB1**	Share patient problem lists electronically with hospitals with which you are affiliated	N	3	0='Box is not marked' 1='Box is marked' -7='Not Applicable' -9='All boxes are blank for Item 20c'
Q20c2	**PTPROB2**	Share patient problem lists electronically with ambulatory providers inside your office/group	N	3	0='Box is not marked' 1='Box is marked' -7='Not Applicable' -9='All boxes are blank for Item 20c'
Q20c3	**PTPROB3**	Share patient problem lists electronically with hospitals with which you are not affiliated	N	3	0='Box is not marked' 1='Box is marked' -7='Not Applicable' -9='All boxes are blank for Item 20c'
Q20c4	**PTPROB4**	Share patient problem lists electronically with ambulatory providers outside your office/group	N	3	0='Box is not marked' 1='Box is marked' -7='Not Applicable' -9='All boxes are blank for Item 20c'
Q20d1	**MEDLIST1**	Share medication lists electronically with hospitals with which you are affiliated	N	3	0='Box is not marked' 1='Box is marked' -7='Not Applicable' -9='All boxes are blank for Item 20d'
Q20d2	**MEDLIST2**	Share medication lists electronically with ambulatory providers inside your office/group	N	3	0='Box is not marked' 1='Box is marked' -7='Not Applicable' -9='All boxes are blank for Item 20d'
Q20d3	**MEDLIST3**	Share medication lists electronically with hospitals with which you are not affiliated	N	3	0='Box is not marked' 1='Box is marked' -7='Not Applicable' -9='All boxes are blank for Item 20d'

Question number from 2014 NEHRS	Variable Name	Variable Label	C or N	Length	Values for variable range and labels
Q20d4	MEDLIST4	Share medication lists electronically with ambulatory providers outside your office/group	N	3	0='Box is not marked' 1='Box is marked' -7='Not Applicable' -9='All boxes are blank for Item 20d'
Q20e1	ALGLIST1	Share medication allergy lists electronically with hospitals with which you are affiliated	N	3	0='Box is not marked' 1='Box is marked' -7='Not Applicable' -9='All boxes are blank for Item 20e'
Q20e2	ALGLIST2	Share medication allergy lists electronically with ambulatory providers inside your office/group	N	3	0='Box is not marked' 1='Box is marked' -7='Not Applicable' -9='All boxes are blank for Item 20e'
Q20e3	ALGLIST3	Share medication allergy lists electronically with hospitals with which you are not affiliated	N	3	0='Box is not marked' 1='Box is marked' -7='Not Applicable' -9='All boxes are blank for Item 20e'
Q20e4	ALGLIST4	Share medication allergy lists electronically with ambulatory providers outside your office/group	N	3	0='Box is not marked' 1='Box is marked' -7='Not Applicable' -9='All boxes are blank for Item 20e'
Q20f	SUMREC	Do you share any of the above types of information using a summary care record?	N	3	1='Yes' 2='No' -8='Uncertain' -7='Not applicable' -9='Blank'
Q21	OWNS1	Who owns the practice for the office that has the most ambulatory care visits?	N	3	1='Physician/Physician group' 2='Insurance company, health plan, or HMO' 3='Community Health Center' 4='Medical / Academic health center' 5='Other hospital' 6='Other health care corporation' 7='Other' -9='Blank'
Q22	PCTMCAID	What percent of your patients are insured by Medicaid?	N	3	0-100='Valid range' -9='Blank'
Q23	MCAREINS	Do you treat patients insured by Medicare?	N	3	1='Yes' 2='No' -8='Uncertain' -7='Not applicable' -9='Blank'
Q24	PRODREV	Revenue generated by the reporting location over the last year	N	3	1='revenue increased' 2='revenue decreased' 3='revenue stayed the same' 4='Uncertain' -7='Not applicable' -9='Blank'

Question number from 2014 NEHRS	Variable Name	Variable Label	C or N	Length	Values for variable range and labels
Q24a	**PRODREVEHR**	Change in revenue due to the EHR?	N	3	1='Yes' 2='No' -8='Uncertain' -7='Not applicable' -9='Blank'
Q25	**PRODOV**	Office visits by the reporting location over the last year	N	3	1='Office visits increased' 2='Office visits decreased' 3='Office visits stayed the same' 4='Uncertain' -7='Not applicable' -9='Blank'
Q25a	**PRODOVEHR**	Change in visits due to the EHR?	N	3	1='Yes' 2='No' -8='Uncertain' -7='Not applicable' -9='Blank'
Q26	**PCMH**	Does the reporting location participate in a certified PCMH arrangement?	N	3	1='Yes' 2='No' -8='Uncertain' -7='Not applicable' -9='Blank'
Q27	**P4P**	Does the reporting location participate in a Pay-for-Performance arrangement?	N	3	1='Yes' 2='No' -8='Uncertain' -7='Not applicable' -9='Blank'
Q28	**ACO**	Does the reporting location participate in an Accountable Care Organization or similar arrangement?	N	3	1='Yes' 2='No' -8='Uncertain' -7='Not applicable' -9='Blank'
Q29a	**PTVIEWTST**	Patient can view test results online	N	3	1='Yes' 2='No' -8='Uncertain' -7='Not applicable' -9='Blank'
Q29b	**PTRQREF**	Patient can request referrals online	N	3	1='Yes' 2='No' -8='Uncertain' -7='Not applicable' -9='Blank'
Q29c	**PTRQRX**	Patient can request refills for prescriptions online	N	3	1='Yes' 2='No' -8='Uncertain' -7='Not applicable' -9='Blank'

Question number from 2014 NEHRS	Variable Name	Variable Label	C or N	Length	Values for variable range and labels
Q29d	**PTRQAPT**	Patient can request appointments online	N	3	1='Yes' 2='No' -8='Uncertain' -7='Not applicable' -9='Blank'
Q29e	**PTENTER**	Enter health information online (e.g., weight, symptoms)	N	3	1='Yes' 2='No' -8='Uncertain' -7='Not applicable' -9='Blank'
Q29f	**PTQUEST**	Patient can ask the provider provider questions online	N	3	1='Yes' 2='No' -8='Uncertain' -7='Not applicable' -9='Blank'
Q29g	**PTUPLOAD**	Upload data from self-monitoring devices (e.g., blood glucose readings)	N	3	1='Yes' 2='No' -8='Uncertain' -7='Not applicable' -9='Blank'
Derived from 29	**PTONLINE**	Can patients do any online activities?	N	3	1='yes' 2='no' 3='Uncertain' -7='Not Applicable' -9='Blank'
Q30	**EHRNEVER**	Never used an EHR	N	2	0='Box is not marked' 1='Box is marked' -7='Not Applicable'
Q30	**EHRUNDERYR**	Under one year any EHR system use	N	2	0='Box is not marked' 1='Box is marked' -7='Not Applicable'
Q30	**EHRUSEYRCT**	Estimate the approximate number of years you have used any EHR system	N	3	0-20='Valid range(0-20)' -7='Not Applicable' -8 = Box checked but no year entered -9='Blank'
Q31	**EHR1SYS**	EHR systems can support administrative and clinical needs. Does your practice use more than one EHR system to meet its clinical needs?	N	2	1=' Yes, we use more than one EHR system 2=' No, we do not use more than one EHR system' -7='Not Applicable' -9='Blank'

Question number from 2014 NEHRS	Variable Name	Variable Label	C or N	Length	Values for variable range and labels
Q32	**EHRMEETS**	My practice uses one EHR system to meet the providers clinical needs	N	3	1='Strongly agree' 2='Somewhat agree' 3='Somewhat disagree' 4='Strongly disagree' 5='Uncertain' -7='Not applicable' -9='Blank'
Q33	**EHRSYSPRCT**	Approximate number of EHR systems your practice has used in past 10 years	N	3	1='One EHR system' 2='Two EHR systems' 3='3 to 5 EHR systemse' 4='At least 6 EHR Systems' 5='Uncertain' -7='Not applicable' -9='Blank'
Q34	**EHRPURCHO**	Has your practice had to decide between purchasing necessary medical equipment and your EHR system?	N	3	1='Yes' 2='No' -8='Uncertain' -7='Not applicable' -9='Blank'
Q35a	**EZIDPT**	How easy or difficult is the EHR function for identifying patients due for preventive or follow-up care?	N	3	1='Very Easy' 2='Easy' 3='Difficult' 4='Very Difficult' 5='Not applicable' (EV=-7) -9='Blank'
Q35b	**EZGENLIST**	How easy or difficult is the EHR function for providing data to generagte lists of patients with particular health conditions?	N	3	1='Very Easy' 2='Easy' 3='Difficult' 4='Very Difficult' 5='Not applicable' (EV=-7) -9='Blank'
Q35c	**EZREPCC**	How easy or difficult is the EHR function for providing data to create reports on clinical care measures for patients with specifc chronic conditions?	N	3	1='Very Easy' 2='Easy' 3='Difficult' 4='Very Difficult' 5='Not applicable' (EV=-7) -9='Blank'
Q35d	**EZMSG**	How easy or difficult is the EHR function for exchanging secure messages with patients?	N	3	1='Very Easy' 2='Easy' 3='Difficult' 4='Very Difficult' 5='Not applicable' (EV=-7) -9='Blank'

Question number from 2014 NEHRS	Variable Name	Variable Label	C or N	Length	Values for variable range and labels
Q35e	**EZCSUM**	How easy or difficult is the EHR function for providing patients with clinical summaries for each visit?	N	3	1='Very Easy' 2='Easy' 3='Difficult' 4='Very Difficult' 5='Not applicable' (EV=-7) -9='Blank'
Q35f	**EZPTREC**	How easy or difficult is the EHR function for providing patients the ability to view their own information?	N	3	1='Very Easy' 2='Easy' 3='Difficult' 4='Very Difficult' 5='Not applicable' (EV=-7) -9='Blank'
Q35g	**EZREFOUTS**	How easy or difficult is the EHR function for receiving clinical information from other providers electronically?	N	3	1='Very Easy' 2='Easy' 3='Difficult' 4='Very Difficult' 5='Not applicable' (EV=-7) -9='Blank'
Q35h	**EZDISSUM**	How easy or difficult is the EHR function for receiving discharge summaries from the hospital electronically?	N	3	1='Very Easy' 2='Easy' 3='Difficult' 4='Very Difficult' 5='Not applicable' (EV=-7) -9='Blank'
Q35i	**EZREFINS**	How easy or difficult is the EHR function for sending patient health information to another provider electronically?	N	3	1='Very Easy' 2='Easy' 3='Difficult' 4='Very Difficult' 5='Not applicable' (EV=-7) -9='Blank'
Q36a	**EHROPT**	Overall, my practice has optimized the use of its EHR system	N	3	1='Strongly agree' 2='Somewhat agree' 3='Somewhat disagree' 4='Strongly disagree' -7='Not applicable' -9='Blank'
Q36b	**TIMEORD**	Amount of time spent ordering medical services has increased.	N	3	1='Strongly agree' 2='Somewhat agree' 3='Somewhat disagree' 4='Strongly disagree' -7='Not applicable' -9='Blank'

Question number from 2014 NEHRS	Variable Name	Variable Label	C or N	Length	Values for variable range and labels
Q36c	FASTLAB	My practice receives (would receive) lab results faster	N	3	1='Strongly agree' 2='Somewhat agree' 3='Somewhat disagree' 4='Strongly disagree' -7='Not applicable' -9='Blank'
Q36d	TIMEREV	Amount of time spent reviewing patient information has increased.	N	3	1='Strongly agree' 2='Somewhat agree' 3='Somewhat disagree' 4='Strongly disagree' -7='Not applicable' -9='Blank'
Q36e	CLINBEN	My EHR produces clinical benefits for my practice	N	3	1='Strongly agree' 2='Somewhat agree' 3='Somewhat disagree' 4='Strongly disagree' -7='Not applicable' -9='Blank'
Q36f	ETIME	Overall, my EHR saves me time	N	3	1='Strongly agree' 2='Somewhat agree' 3='Somewhat disagree' 4='Strongly disagree' -7='Not applicable' -9='Blank'
Q36g	TIMEDOC	Amount of time spent documenting patient care has increased.	N	3	1='Strongly agree' 2='Somewhat agree' 3='Somewhat disagree' 4='Strongly disagree' -7='Not applicable' -9='Blank'
Q36h	PRACTEF	Overall, my practice has functioned more efficiently.	N	3	1='Strongly agree' 2='Somewhat agree' 3='Somewhat disagree' 4='Strongly disagree' -7='Not applicable' -9='Blank'
Q36i	EHRDISRPT	My EHR disrupts the way I interact with patients.	N	3	1='Strongly agree' 2='Somewhat agree' 3='Somewhat disagree' 4='Strongly disagree' -7='Not applicable' -9='Blank'

Question number from 2014 NEHRS	Variable Name	Variable Label	C or N	Length	Values for variable range and labels
Q36j	**EHRCARE**	My EHR allows me to deliver better patient care	N	3	1='Strongly agree' 2='Somewhat agree' 3='Somewhat disagree' 4='Strongly disagree' -7='Not applicable' -9='Blank'
Q36k	**HISECURE**	Health information is less secure in my EHR system than a paper-based system	N	3	1='Strongly agree' 2='Somewhat agree' 3='Somewhat disagree' 4='Strongly disagree' -7='Not applicable' -9='Blank'
Q36l	**DATACON**	My EHR enhances data confidentiality	N	3	1='Strongly agree' 2='Somewhat agree' 3='Somewhat disagree' 4='Strongly disagree' -7='Not applicable' -9='Blank'
Q36m	**FINABEN**	My EHR produces financial benefits for my practice	N	3	1='Strongly agree' 2='Somewhat agree' 3='Somewhat disagree' 4='Strongly disagree' -7='Not applicable' -9='Blank'
Q36n	**BILLINCOM**	Use of my EHR results in incomplete biling for services.	N	3	1='Strongly agree' 2='Somewhat agree' 3='Somewhat disagree' 4='Strongly disagree' -7='Not applicable' -9='Blank'
Q36o	**EHRBENCOS**	Overall, the benefits of having an EHR outweigh its purchase and maintenance costs.	N	3	1='Strongly agree' 2='Somewhat agree' 3='Somewhat disagree' 4='Strongly disagree' -7='Not applicable' -9='Blank'

Question number from 2014 NEHRS	Variable Name	Variable Label	C or N	Length	Values for variable range and labels
Q37a	**ALRTRX**	Has use of an EHR in your practice led to being alerted to a potential medication error?	N	3	1='Yes, within 30 days' 2='Yes, not in past 30 days' 3='Not at all' 4='Not applicable' (EV=-7) 5=' More than 1 box checked' 6='Yes (both yes boxes checked)' -9='Blank'
Q37b	**RXERR**	Has use of an EHR in your practice led to a potential medication error?	N	3	1='Yes, within 30 days' 2='Yes, not in past 30 days' 3='Not at all' 4='Not applicable' (EV=-7) 5=' More than 1 box checked' 6='Yes (both yes boxes checked)' -9='Blank'
Q37c	**ALRTLAB**	Has use of an EHR in your practice led to being alerted electronically to critical lab values?	N	3	1='Yes, within 30 days' 2='Yes, not in past 30 days' 3='Not at all' 4='Not applicable' (EV=-7) 5=' More than 1 box checked' 6='Yes (both yes boxes checked)' -9='Blank'
Q37d	**LESSTALK**	Has use of an EHR in your practice led to less effective communication during patient visits	N	3	1='Yes, within 30 days' 2='Yes, not in past 30 days' 3='Not at all' 4='Not applicable' (EV=-7) 5=' More than 1 box checked' 6='Yes (both yes boxes checked)' -9='Blank'
Q37e	**ALRTPREV**	Has use of an EHR in your practice led to being reminded to provide preventive care (e.g., vaccine, cancer screening)?	N	3	1='Yes, within 30 days' 2='Yes, not in past 30 days' 3='Not at all' 4='Not applicable' (EV=-7) 5=' More than 1 box checked' 6='Yes (both yes boxes checked)' -9='Blank'
Q37f	**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	3	1='Yes, within 30 days' 2='Yes, not in past 30 days' 3='Not at all' 4='Not applicable' (EV=-7) 5=' More than 1 box checked' 6='Yes (both yes boxes checked)' -9='Blank'

Question number from 2014 NEHRS	Variable Name	Variable Label	C or N	Length	Values for variable range and labels
Q37g	**FEWRTEST**	Has use of an EHR in your practice led to ordering fewer tests due to better availability of lab results?	N	3	1='Yes, within 30 days' 2='Yes, not in past 30 days' 3='Not at all' 4='Not applicable' (EV=-7) 5=' More than 1 box checked' 6='Yes (both yes boxes checked)' -9='Blank'
Q37h	**FORMRX**	Has use of an EHR in your practice led to prescribing on-formulary drugs rather than off-formulary drugs?	N	3	1='Yes, within 30 days' 2='Yes, not in past 30 days' 3='Not at all' 4='Not applicable' (EV=-7) 5=' More than 1 box checked' 6='Yes (both yes boxes checked)' -9='Blank'
Q37i	**PTEMAIL**	Has use of an EHR in your practice led to communicating directly with a patient via email or secure messaging?	N	3	1='Yes, within 30 days' 2='Yes, not in past 30 days' 3='Not at all' 4='Not applicable' (EV=-7) 5=' More than 1 box checked' 6='Yes (both yes boxes checked)' -9='Blank'
Q37j	**MDETALK**	Has use of an EHR in your practice led to facilitated direct communication with other providers that are part of my patient care team?	N	3	1='Yes, within 30 days' 2='Yes, not in past 30 days' 3='Not at all' 4='Not applicable' (EV=-7) 5=' More than 1 box checked' 6='Yes (both yes boxes checked)' -9='Blank'
Q37k	**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	3	1='Yes, within 30 days' 2='Yes, not in past 30 days' 3='Not at all' 4='Not applicable' (EV=-7) 5=' More than 1 box checked' 6='Yes (both yes boxes checked)' -9='Blank'
Q37l	**PDAACC**	Has use of an EHR in your practice led to accessing a patient's chart through your personal device (e.g., smart phone, tablet)?	N	3	1='Yes, within 30 days' 2='Yes, not in past 30 days' 3='Not at all' 4='Not applicable' (EV=-7) 5=' More than 1 box checked' 6='Yes (both yes boxes checked)' -9='Blank'

Question number from 2014 NEHRS	Variable Name	Variable Label	C or N	Length	Values for variable range and labels
Q37m	BADLIST	Has use of an EHR in your practice led to inadvertently selecting the wrong medication or lab order from a list?	N	3	1='Yes, within 30 days' 2='Yes, not in past 30 days' 3='Not at all' 4='Not applicable' (EV=-7) 5=' More than 1 box checked' 6='Yes (both yes boxes checked)' -9='Blank'
Q37n	OVERLOOK	Has use of an EHR in your practice led to overlooking something important because you received too many alerts?	N	3	1='Yes, within 30 days' 2='Yes, not in past 30 days' 3='Not at all' 4='Not applicable' (EV=-7) 5=' More than 1 box checked' 6='Yes (both yes boxes checked)' -9='Blank'
Q37o	PTCARE	Has use of an EHR in your practice led to enhanced overall patient care?	N	3	1='Yes, within 30 days' 2='Yes, not in past 30 days' 3='Not at all' 4='Not applicable' (EV=-7) 5=' More than 1 box checked' 6='Yes (both yes boxes checked)' -9='Blank'
Q38	EHRSAT	Overall EHR Satisfaction	N	3	1='Yes, within 30 days' 2='Yes, not in past 30 days' 3='Not at all' 4='Not applicable' (EV=-7) 5=' More than 1 box checked' 6='Yes (both yes boxes checked)' -9='Blank'
Q39	PURAGA	Purchase EHR again	N	3	1='Yes' 2='No' -8='Uncertain' -7='Not applicable' -9='Blank'
Q41	WCOMPEMR	Who completed the form?	N	3	1='Sampled physician' 2='Office staff' 3='Other' -9='Blank'
Keyed	COMPTYPE	How survey was completed	N	3	1='Mail' 2='Telephone' -7='Not applicable' -9='Blank'

Question number from 2014 NEHRS	Variable Name	Variable Label	C or N	Length	Values for variable range and labels
Keyed	**WAVECOMP**	Survey was completed during which wave	N	3	1='Wave 1' 2='Wave 2' 3='Wave 3' 4='Wave 4/Survey completed over the phone' 5='There is no data for this respondent' 6='Ineligibility during locating prior to Wave 1''
Indicator	**PEN**	Indicator if this participant was sent a pen in their survey	N	3	1 = 'No pen included' 2 = 'Pen sent at first mailing'
RECODED AND CREATED VARIABLES					
Recoded from EHRUSEYRCT	**EHRUSEYRCTR**	Estimate the approximate number of years you have used any EHR system, grouped.	C	3	1=Under 1 year 2=1 year 3=2 to 4 years 4=5+ years 5=Never Used an EHR -7='Not Applicable' -8 = Box checked but no year entered -9='Blank'
Recoded from SPEC	**SPECR**	Numeric specialty obtained from response to survey for inscope providers. Doctors of Osteopath dispersed throughout.	N	3	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=physician's updated zip code obtained from response to survey	C	3	'00'-'56'='valid range'
Recoded from Physician sample file	**MDDO**	Type of doctor (MD/DO) as sampled.	N	3	1='MD' 2='DO'
Recoded from Physician sample file	**MSA**	Metropolitan Status (2 categories)	N	3	1='MSA' 2='non-MSA'
Recoded from Physician sample file	**METRSTAT**	Metropolitan Status (3 categories)	N	3	1='Metropolitan' 2='Micropolitan' 3='Non-metropolitan (neither)'

Question number from 2014 NEHRS	Variable Name	Variable Label	C or N	Length	Values for variable range and labels
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 obtained from response to survey	N	3	1='Primary care specialty' 2='Surgical specialty' 3='Medical specialty'
Recoded: SOLO1-MULTI1	MULTIR1	Recoded Solo and Multi variables	N	3	1 ='Single-specialty practice' 2 ='Multi-specialty practice' 3 ='Solo practice' -8='Uncertain'
Recode of DISPEMR	DISPEMRR	Update of DISPEMR	N	3	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'
Derived	DISPEMRXR	For EMR Extended Survey only	N	3	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'
Recode of FINSTAT	FINSTATR	Update of FINSTAT	N	3	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' 14='Unknown Eligibility - Written Refusal' 15='Unknown Eligibility - Verbal Refusal – MD' 16='Unknown Eligibility - Verbal Refusal – Other' 17='Unknown Eligibility - Partial via Phone' 18='Unknown Eligibility - Partial via Mail' 19='Unknown Eligibility - Contact Information Confirmed (soft refusal)' Note: Eligible means Q2=1 and Q8=1-8.

Question number from 2014 NEHRS	Variable Name	Variable Label	C or N	Length	Values for variable range and labels
Derived	**FINSTATXR**	For EMR Extended Survey only	N	3	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' 14='Unknown Eligibility - Written Refusal' 15='Unknown Eligibility - Verbal Refusal – MD' 16='Unknown Eligibility - Verbal Refusal – Other' 17='Unknown Eligibility - Partial via Phone' 18='Unknown Eligibility - Partial via Mail' 19='Unknown Eligibility - Contact Information Confirmed (soft refusal)' Note: Eligible means Q2=1 and Q8=1-8.
Recoded from LOCSIZE	**LOCSIZCAT**	Size of the office with most ambulatory care patients grouped based on LOCSIZE. (Trend analysis involving grouped office size should use PRACTSIZ prior to 2013)	N	3	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; updated by zip if physician moved	**REGION**	Region of the Physicians Interview office	N	3	1='NE' 2='NW' 3='S' 4='W'
Physician Sample File	**PHYSEX**	Sex of Physician	N	3	1='Female' 2='Male' -9='Blank'

Question number from 2014 NEHRS	Variable Name	Variable Label	C or N	Length	Values for variable range and labels
Physician Sample File	**FIPSSTS**	FIPS Code for state where physician was sampled	C	3	'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'
Physician Sample File	**SAMPWGT**	Physician sample weight from State and doctor selection	N	8	001-999='valid range'
Physician Sample File	**PYOB**	Physician year of birth	N	4	1929-1986='valid range' -9='Blank'
Recode from PYOB	**MDAGE**	Physician age; grouped	N	3	1='Under 35 years' 2='35-44 years' 3='45-54 years' 4='55-64 years' 5='65-84 years' -9='Blank'
Recode from PYOB	**PAGE50**	Physician age; two groups	N	3	1='Under 50 years' 2='50+ Years'
.		**ARF VARIABLES**			
ARF-Derived	**ARFHHY**	Median household income (2011) [F13226-11]	N	6	-9='Blank' Other='Valid range'

Question number from 2014 NEHRS	Variable Name	Variable Label	C or N	Length	Values for variable range and labels
ARF-Derived	**ARFPPOV**	Percent where income is below poverty level(2011) [F13321-11]	N	8	0.01-100.00='Valid range' -9='Blank'
ARF-Derived	**ARFPWNH**	Percent of population who is white, not Hispanic(2011) [F13926 & F13927-11]	N	8	0.01-100.00='Valid range' -9='Blank'
ARF-Derived	**ARFPMCAID**	Medicaid discharges per 1000 population(2010) [F10315-10]	N	8	0.01-999.99='Valid range' -9='Blank'
ARF-Derived	ARFP65	Percent of population who is 65 years and over(2011)[F14083-11]	N	8	0.01-100.00='Valid range' -9='Blank'
ARF-Derived	**ARFPRIMARYSA**	HPSA Code; Population to FTE primary care ratio (12/12) [F09787-12]	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) [F12492-12]	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 2001 to 2011	N	8	-42.91-122.75='Valid range' 999='Blank'
ARF-Derived	**ARFGRO65**	Percent change in population 65+ years, 2001 to 2011	N	8	-80.95-226.91='Valid range' 999='Blank'
.		**NCHS URBAN-RURAL FILE**			
URBAN-RURAL FILE	**URBANRU**	2013 NCHS urban-rural classification based on provider zip code	N	3	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	5	80000-90302='Valid range'
Derived	**YEAR**	Survey year	N	4	2014='Year: 2014'
Derived	**SUBFILE**	Survey identifier	N	3	1='NEHRS'
Derived	**STATE**	State where the physician was sampled	N	8	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	**POPDOC8**	Estimated number of NAMCS eligible physicians in STATE, SURVER = 2 (8 page)	N	8	1-9999999='Valid range'
Derived	**WT_EMR4**	Rounded adjusted ratio adjusted doctor weight (responding doctors) - EMR Survey	N	6	0='Out of scope or refused doctors' 1-999999='Responding doctors'
Derived	**WT_EMR8**	Rounded adjusted ratio adjusted doctor weight (responding doctors) - Extended EMR Survey	N	6	0='Out of scope or refused doctors' 1-999999='Responding doctors'