

2021 National Electronic Health Records Survey (NEHRS) Public Use File Layout

Question number (Q#)- 2021 NEHRS	Variable Name	Variable Label	Values for variable range and labels
Barcode	PHYID_P	Physician unique identifier	1-10302='Valid range for live data collection'
Q3 Recoded for public use file	NUMLOC_P	Overall, at how many office locations (excluding hospital emergency or hospital outpatient departments) do you see outpatient, office- based patients in a normal week?	1='1 location' 2='2 locations' 3='3 or more locations' -9='Blank'
Q5 Recoded for public use file	SETTING_P	At which of the outpatient, office-based settings (1-8) in Question 4, do you see the most patients? Write the number located next to the box you checked. (For the rest of the survey, we will refer to this as the "reporting location.")	1='Private solo or group practice' 2='Other setting'
Q7 Recoded for public use file	PSIZECAT_P	How many physicians, including you, work at <u>this practice</u> (including physicians at the reporting location, and physicians at any other locations of the practice)?	1='1 physician' 2='2-3 physicians' 3='4-10 physicians' 4='11-50 physicians' 5='More than 50 physicians'
Q8	IPAPHO	Is this medical organization affiliated with an Independent Practice Association (IPA) or Physician Hospital Organization (PHO)?	1='Yes' 2='No' -8="Don't know" -9='Blank'
Q9	MCAIDINS	Do you treat patients insured by Medicaid?	1='Yes' 2='No' -8="Don't know" -9='Blank'
Q10	MCAREINS	Do you treat patients insured by Medicare?	1='Yes' 2='No' -8="Don't know" -9='Blank'

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Q11	OWNS1	Who owns the reporting location? CHECK ONE.	1='Physician or physician group' 2='Insurance company, health plan, or Health Maintenance Organization' 3='Community Health Center' 4='Medical/Academic health center' 5='Other hospital' 6='Other health care corporation' 7='Other'
Q12(1)	NPCMH	Do you or your reporting location currently participate in any of the following activities or programs? Check all that apply. Patient Centered Medical Home (PCMH)	0='Box is not marked' 1='Box is marked'
Q12(2)	NACO	Do you or your reporting location currently participate in any of the following activities or programs? Check all that apply. Accountable Care Organization (ACO) arrangement with public or private insurers	0='Box is not marked' 1='Box is marked'
Q12(3)	NP4P	Do you or your reporting location currently participate in any of the following activities or programs? Check all that apply. Pay-for-Performance arrangement (P4P)	0='Box is not marked' 1='Box is marked'
Q12(4)	NMU	Do you or your reporting location currently participate in any of the following activities or programs? Check all that apply. Medicaid EHR Incentive Program (e.g., Meaningful Use Program also called Promoting Interoperability Program)	0='Box is not marked' 1='Box is marked'
Q12(5)	MIPS	Do you participate or plan to participate in the following Medicare programs? Check all that apply. Merit-Based Incentive Payment System	0='Box is not marked' 1='Box is marked'
Q12(6)	APM	Do you participate or plan to participate in the following Medicare programs? Check all that apply. Advanced Alternative Payment Model	0='Box is not marked' 1='Box is marked'

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Q12(7)	NOPROG	Do you participate or plan to participate in the following Medicare programs? Check all that apply. Do not participate in any of the above activities or programs	0='Box is not marked' 1='Box is marked'
Q12(8)	UNKPROG	Do you participate or plan to participate in the following Medicare programs? Check all that apply. Don't know	0='Box is not marked' 1='Box is marked'
Q13	EMEDREC	Does your reporting location <u>use</u> an EHR system? Do not include billing record systems.	1='Yes' 2='No' -8="Don't know"
Q14	HHSMU	Is your EHR system certified to meet U.S. Department of Health and Human Services requirements? Certified EHRs are necessary to meet the objectives of Meaningful Use/Promoting Interoperability Program. If unsure, see if your system meets the requirements here: https://chpl.healthit.gov/#/search	1='Yes' 2='No' -7='Not Applicable' -8="Don't know" -9='Blank'
Q15	EHRNAME	What is the name of your primary EHR system? CHECK ONLY ONE BOX. If Other is checked, please specify the name.	1='Allscripts' 2='athenahealth' 3='Cerner' 4='eClinicalWorks' 5='e-MDs' 6='Epic' 7='Modernizing Medicine' 8='NextGen' 9='Practice Fusion' 10='Greenway' 11='Other' 12='Unknown' -7= 'Not Applicable' -9='Blank'

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Question number (Q#)- 2021 NEHRS	Variable Name	Variable Label	Values for variable range and labels
Q16	EHRSAT	Overall, how satisfied or dissatisfied are you with your EHR system?	1='Very satisfied' 2='Somewhat satisfied' 3="Neither satisfied nor dissatisfied" 4= 'Somewhat dissatisfied' 5= 'Very dissatisfied' 6= 'Not applicable' -7='Not applicable, no EHR' -9='Blank'
Q17a	ESDOH	Does the reporting location use an EHR to: Record social determinants of health (e.g., employment, education)?	1='Yes' 2='No' -7='Not applicable' -8="Don't know" -9='Blank'
Q17b	EBEHAV	Does the reporting location use an EHR to: Record behavioral determinants of health (e.g., tobacco use, physical activity, alcohol use)?	1='Yes' 2='No' -7='Not applicable' -8="Don't know" -9='Blank'
Q17c	ECPOE	Does the reporting location use an EHR to: Order prescriptions?	1='Yes' 2='No' -7='Not applicable' -8="Don't know" -9='Blank'
Q17c1	ESCRIP	If they use an EHR for prescriptions, are prescriptions sent electronically to the pharmacy?	1='Yes' 2='No' -8="Don't know" -7='Not applicable' -9='Blank'
Q18	TELEMEDICINE	Does your practice use telemedicine technology (e.g., audio, audio with video, web videoconference) for patient visits?	1='Yes' 2='No' -8="Don't know" -9='Blank'

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Question number (Q#)- 2021 NEHRS	Variable Name	Variable Label	Values for variable range and labels
Q18a	TELEMEDPCT	Since March 2020, what percentage of your patient visits were through telemedicine technology?	1='None' 2='Less than 25%' 3='25% to 49%' 4='50% to 74%' 5='75% or more' -7='Not applicable' -8='Don't know' -9='Blank'
Q18b1	TELEMEDTOOL1	What type(s) of telemedicine tools did you use for patient visits? CHECK ALL THAT APPLY. Telephone audio	0='Box is not marked' 1='Box is marked' -7= 'Not Applicable'
Q18b2	TELEMEDTOOL2	What type(s) of telemedicine tools did you use for patient visits? CHECK ALL THAT APPLY. Videoconference software with audio (e.g., Zoom, Webex, FaceTime)	0='Box is not marked' 1='Box is marked' -7= 'Not Applicable'
Q18b3	TELEMEDTOOL3	What type(s) of telemedicine tools did you use for patient visits? CHECK ALL THAT APPLY. Telemedicine platform NOT integrated with EHR (e.g., Doxy.me)	0='Box is not marked' 1='Box is marked' -7= 'Not Applicable'
Q18b4	TELEMEDTOOL4	What type(s) of telemedicine tools did you use for patient visits? CHECK ALL THAT APPLY. Telemedicine platform integrated with EHR (e.g., update clinical documentation during telemedicine visit)	0='Box is not marked' 1='Box is marked' -7= 'Not Applicable'
Q18b5	TELEMEDTOOLS	What type(s) of telemedicine tools did you use for patient visits? CHECK ALL THAT APPLY. Other	0='Box is not marked' 1='Box is marked' -7= 'Not Applicable'

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Question number (Q#)- 2021 NEHRS	Variable Name	Variable Label	Values for variable range and labels
Q18c1	TELEMEDISSUES1	What, if any, issues affected your use of telemedicine? CHECK ALL THAT APPLY. Limited internet access and/or speed issues	0='Box is not marked' 1='Box is marked' -7= 'Not Applicable'
Q18c2	TELEMEDISSUES2	What, if any, issues affected your use of telemedicine? CHECK ALL THAT APPLY. Telemedicine platform not easy to use or did not meet our needs	0='Box is not marked' 1='Box is marked' -7= 'Not Applicable'
Q18c3	TELEMEDISSUES3	What, if any, issues affected your use of telemedicine? CHECK ALL THAT APPLY. Telemedicine isn't appropriate for my specialty/type of patients	0='Box is not marked' 1='Box is marked' -7= 'Not Applicable'
Q18c4	TELEMEDISSUES4	What, if any, issues affected your use of telemedicine? CHECK ALL THAT APPLY. Improved reimbursement and relaxation of rules related to use of telemedicine visits	0='Box is not marked' 1='Box is marked' -7= 'Not Applicable'
Q18c5	TELEMEDISSUES5	What, if any, issues affected your use of telemedicine? CHECK ALL THAT APPLY. Limitations in patients' access to technology (e.g., smartphone, computer, tablet, Internet)	0='Box is not marked' 1='Box is marked' -7= 'Not Applicable'
18c6	TELEMEDISSUES6	What, if any, issues affected your use of telemedicine? CHECK ALL THAT APPLY. Patients' difficulty using technology/telemedicine platform	0='Box is not marked' 1='Box is marked' -7= 'Not Applicable'

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Question number (Q#)- 2021 NEHRS	Variable Name	Variable Label	Values for variable range and labels
Q18d	TELEMEDQUAL	To what extent are you able to provide similar quality of care during telemedicine visits as you do during in-person visits?	1='Fully' 2='To a great extent' 3='To some extent' 4='To a small extent' 5='Not at all' -7='Not Applicable' -9='Blank'
Q18e	TELEMEDSAT	Please rate your overall satisfaction with using telemedicine technology for patient visits.	1='Very satisfied' 2='Somewhat satisfied' 3="Neither satisfied nor dissatisfied" 4= 'Somewhat dissatisfied' 5= 'Very dissatisfied' -7='Not applicable' -9='Blank'
Q18f	TELEMEDCONT	Do you plan to continue using telemedicine visits (in addition to in-person visits) when appropriate once the coronavirus disease (COVID-19) pandemic is over?	1='Yes' 2='No' -8="Don't know" -7='Not applicable' -9='Blank'
Q19	CSFREQ	How frequently do you prescribe controlled substances?	1='Often' 2='Sometimes' 3='Rarely' 4= 'Never' -8="Don't know" -9='Blank'
Q20	CSELECT	How frequently are prescriptions for controlled substances sent electronically to the pharmacy?	1='Often' 2='Sometimes' 3='Rarely' 4='Never' -7='Not applicable' -8="Don't know" -9='Blank'

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Question number (Q#)- 2021 NEHRS	Variable Name	Variable Label	Values for variable range and labels
Q21	PDMPFREQ	How frequently do you or designated staff check your state's prescription drug monitoring program (PDMP) prior to prescribing a controlled substance to a patient for the first time?	1='Often' 2='Sometimes' 3='Rarely' 4='Never' -7='Not Applicable' -8='Don't know'
Q21a	PDMPCHECK	How do you or your designated staff check your state's PDMP?	1='Use EHR system' 2='Use system outside of EHR (e.g., PDMP portal or secure website)' -7='Not applicable' -8='Don't know' -9='Blank'
Q21b	PDMPSTATE	When checking your state's PDMP, do you or designated staff typically request to view PDMP data <u>from other states</u> prior to prescribing a controlled substance for the first time?	1='Yes' 2='No' -7='Not applicable' -8='Don't know' -9='Blank'
Q21c1	PDMP1	Have you done any of the following as a result of using the PDMP? Reduced or eliminated controlled substance prescriptions for a patient	0='Box is not marked' 1='Box is marked' -7='Not Applicable'
Q21c2	PDMP2	Have you done any of the following as a result of using the PDMP? Changed controlled substance prescriptions to non-opioid pharmacologic (e.g., NSAIDs or acetaminophen) or non-pharmacologic therapy (e.g., exercise/physical therapy or CBT)	0='Box is not marked' 1='Box is marked' -7='Not Applicable'
Q21c3	PDMP3	Have you done any of the following as a result of using the PDMP? Prescribed naloxone	0='Box is not marked' 1='Box is marked' -7='Not Applicable'

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Q21c4	PDMP4	Have you done any of the following as a result of using the PDMP? Referred additional treatment (e.g., substance abuse treatment, psychiatric or pain management)	0='Box is not marked' 1='Box is marked' -7='Not Applicable'
Q21c5	PDMP5	Have you done any of the following as a result of using the PDMP? Confirmed patients' misuse of prescriptions (e.g., engage in doctor shopping)	0='Box is not marked' 1='Box is marked' -7='Not Applicable'
Q21c6	PDMP6	Have you done any of the following as a result of using the PDMP? Confirmed appropriateness of treatment	0='Box is not marked' 1='Box is marked' -7='Not Applicable'
Q21c7	PDMP7	Have you done any of the following as a result of using the PDMP? Assessed pain and function of patient (e.g., PEG)	0='Box is not marked' 1='Box is marked' -7='Not Applicable'
Q21c8	PDMP8	Have you done any of the following as a result of using the PDMP? Consulted with other prescribers listed in PDMP report	0='Box is not marked' 1='Box is marked' -7='Not Applicable'
Q21c9	PDMP9	Have you done any of the following as a result of using the PDMP? Consulted and/or coordinated with other members of the care team	0='Box is not marked' 1='Box is marked' -7='Not Applicable'
Q22	METHSEHRWEB	Do you electronically <u>send</u> patient health information to other providers outside your medical organization using an EHR (not eFax) or a Web Portal (separate from EHR)?	1='Yes' 2='No' -8="Don't know"
Q23	METHREHRWEB	Do you electronically <u>receive</u> patient health information from other providers outside your medical organization using an EHR system (not eFax) or a Web Portal (separate from EHR)?	1='Yes' 2='No' -8="Don't know"

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Question number (Q#)- 2021 NEHRS	Variable Name	Variable Label	Values for variable range and labels
Q24	NSEARCH	When seeing a new patient or a patient who has previously seen another provider, do you electronically search or query for your patient's health information from sources outside of your medical organization? <i>This could include via remote or view only access to other facilities' EHR or health information exchange organization.</i>	1='Yes' 2='No' -8="Don't know"
Q25	INTPHI	Does your EHR system integrate any type of patient health information received electronically (not eFax) without special effort like manual entry or scanning?	1='Yes' 2='No' 4='Not Applicable' -8="Don't know"
Q26	CINPOC	When treating patients seen by providers outside your medical organization, how often do you or your staff have clinical information from those outside encounters electronically available at the point of care? <i>Electronically available does not include scanned or PDF documents.</i>	1='Often' 2='Sometimes' 3='Rarely' 4='Never' 6='I do not see patients outside my medical organization' -8="Don't know"
Q27	EUSEPHIOUT	How frequently do you <u>use</u> patient health information electronically (not eFax) received from providers or sources outside your organization when treating a patient?	1='Often' 2='Sometimes' 3='Rarely' 4='Never' -8="Don't know" -9='Blank'
Q28	TIMEOUT	On average, how many hours <u>per day</u> do you spend <u>outside of normal office hours</u> documenting clinical care in your medical record system?	1='None' 2='Less than 1 hour' 3='1 to 2 hours' 4='More than 2 hours to 4 hours' 5='More than 4 hours' -9='Blank'
Q29	STAFFSUP	Do you have staff support (e.g., scribe) to assist you with documenting clinical care in your medical record system?	1='Yes' 2='No' -9='Blank'

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Q30	EASEDOC	How easy or difficult is it to document clinical care using your medical record system?	1='Very easy' 2='Somewhat easy' 3='Somewhat difficult' 4='Very difficult' 5='Not applicable' -9='Blank'
Q31	TIMEDOC	Please indicate whether you agree or disagree with the following statement about using your medical record system. The amount of time I spend documenting clinical care is appropriate.	1='Strongly agree' 2='Somewhat agree' 3='Somewhat disagree' 4='Strongly disagree' 5='Not Applicable' -9='Blank'
Q32	WCOMPEMR	Who completed this survey? (Check all that apply)	1='The physician to whom it was addressed' 2='Office staff' 3='Other'
Admin box 2	COMPTYPE	How the survey was completed.	1='Mail' 2='Web'
Keyed1	WAVECOMP	Wave the survey was completed.	1='1st mailing' 2='2nd mailing' 3='3rd mailing' 4='Web'
Derived	DISPEMR	Final disposition of NEHRs	1='Complete (mail or web)'
RECODED VARIABLES			
Recoded from Physician sample file	MDDO	Type of doctor (Medical Doctor (MD)/Doctor of Osteopathic Medicine (DO)) as sampled	1='MD' 2='DO'
Recoded from SPECR & SPEC	SPECCAT	Physician specialty type obtained from response to survey	1='Primary care specialty' 2='Surgical specialty' 3='Medical specialty'

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SAMPLE FILE VARIABLES			
Physician sample file	PHYSEX	Sex of Physician	1='Female' 2='Male'
Recode from Physician Year of Birth	PAGE50	Age group (in years) of physician (two category)	1='Under 50 years' 2='50+ years'
SUDAAN VARIABLES			
Derived	YEAR	Survey year	2021='Year: 2021'
Derived	STRAT_P	Masked stratum	101-151='Valid range'
Derived	POPDOC	Estimated number of NEHRS eligible physicians	1-9,999,999='Valid range'
Derived	MAILWGT	Rounded adjusted ratio adjusted physician weight (responding physicians)	1-999999='Responding physicians'