

Corolla Survey - Variable Frequency
2018-05-11

What is the current EHR Vendor for your hospital currently?(select one)	Number of Sites
Allscripts	1
Cerner	7
Epic	28
Homegrown	1
Other	3

Which of the following data are available in your EHR?(Select all that apply)	Frequency
ED vital signs	39
ED ventilator settings	35
ED medication orders	39
ED medication administration	38
ED laboratory results	39
ICU vital signs	40
ICU ventilator settings	39
ICU medication orders	40
ICU medication administration	40
Radiology results	38

Is it possible to electronically extract data from your hospital EHR for research?	Number of Sites
Yes	37
No	3

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Does your site have a data warehouse or data repository in which EHR data are stored?	Number of Sites
Yes	32
No	5
Unknown	3

Have you or your collaborators ever participated in research in which data were electronically extracted from the EHR or data warehouse repository?	Number of Sites
Yes	25
No	8
Unknown	2

Who extracted the data from the EHR?	Number of Sites
Yourself	1
Data analyst or investigator on your team	8
Your informatics core (via CTSA, hospital research center, etc.)	10
Your hospital IT	3
Other	3

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In what format was the data extracted?(select all that apply)	Frequency
Comma separated variable (CSV)	19
Excel (xls)	14
R	3
STATA	4
SAS	5
SPSS	4
Oracle	1
Microsoft SQL	10
Direct to REDCap	6
Direct to Microsoft Access	1
Other	3

How was the data extraction paid for? (check all that apply)	Frequency
The extraction was done by my research team and their efforts	8
There was no bill, but it is possible the research would be billed in the future	10
This is a service provided by the institution	5
This research was billed by the hour	9
The research was billed percent effort	5
The research was billed a lump sum	4
Other	2

Were patient demographics (age, gender, race, height, weight etc.) extracted in your prior projects?	Number of Sites
Yes	25

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Was hospitalization data (date and time of presentation, date and time of admission to ICU, date and time of transfer from ICU, date and time of hospital discharge, etc.) extracted in your prior projects?	Number of Sites
No	1
Yes	24

If no, does your institution have the capacity to extract hospitalization data for COROLLA?	Number of Sites
Yes	1

Were vital signs (heart rate, systolic blood pressure, respiratory rate, oxygen saturation, etc.) extracted in your prior projects?	Number of Sites
No	5
Yes	20

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If no, does your institution have the capacity to extract vital signs for COROLLA?	Number of Sites
Yes	5

Were ventilator settings (receipt of invasive mechanical ventilation, tidal volume, PEEP, FiO2, etc.) extracted in your prior projects?	Number of Sites
No	11
Yes	14

If no, does your institution have the capacity to extract ventilator settings for COROLLA?	Number of Sites
No	1
Yes	9

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Were laboratory values (WBC, Hct, Plt, Creatinine, etc.) extracted in your prior projects?	Number of Sites
No	1
Yes	24

If no, does your institution have the capacity to extract laboratory values for COROLLA?	Number of Sites
Yes	1

Was medication administration extracted in your prior projects?	Number of Sites
No	6
Yes	19

If no, does your institution have the capacity to extract medication administration for COROLLA?	Number of Sites
Yes	6

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Were in-hospital clinical outcomes (death before hospital discharge, ICU length of stay, hospital length of stay) extracted in your prior projects?	Number of Sites
No	4
Yes	21

If no, does your institution have the capacity to extract in-hospital clinical outcomes for COROLLA?	Number of Sites
Yes	3

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Are there any other specific data elements which you know are unable to be extracted from your EHR?	Number of Sites
Yes	6
No	17

Who would potentially extract the data from the EHR for research?(Check all that apply)	Frequency
Yourself	2
Data analyst or investigator on your team	1
Your informatics core (via CTSA, hospital research center, etc.)	5
Your hospital IT	3
Other	1

How would the data extraction be paid for?(check all that apply)	Frequency
This is a service provided by institution	1
Research would be billed by the hour	6
Research would be billed percent effort	3
Research would be billed a lump sum	1
Other	2

Which of the following data elements could be extracted?(check all that apply)	Frequency
Patient demographics (age, gender, race, height, weight, etc.)	8
Hospitalization data (date and time of presentation, date and time of admission to ICU, date and time of hospital discharge, etc.)	8
Vital signs (heart rate, systolic blood pressure, respiratory rate, oxygen saturation, etc.)	7
Ventilator settings (receipt of invasive mechanical ventilation, tidal volume, PEEP, FiO2, etc.)	8
Laboratory values (WBC, HcT, Plt, Creatinine, etc.)	8

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Which of the following data elements could be extracted?(check all that apply)	Frequency
Medication Administration	8
In-hospital clinical outcomes (death before hospital discharge, ICU length of stay, hospital length of stay)	8

Are there any other specific data elements which you know are unable to be extracted from your EHR?	Number of Sites
Yes	3
No	5

Does your hospital EHR currently use automatic alerts or screens for sepsis, acute clinical deterioration or other conditions?	Number of Sites
For clinical purposes	16
For research purposes	2
For both purposes	19
No	3

Does your hospital EHR currently use electronic decision support tools with which clinicians interact?	Number of Sites
For clinical purposes	20
For both purposes	12
No	7

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Do you or someone on your team have experience working with your hospital IT in creating electronic alerts or clinical decision support for the ICU?	Number of Sites
Yes	28
No	12

Has your institution participated in a clinical trial in which (a) screening, (b) randomization, or (c) delivery of the signed study intervention was conducted using tools built into the EHR?	Number of Sites
Yes	18
No	20

With whom would you collaborate at your local institution in order to electronically extract data for a PETAL trial?(select all that apply)	Frequency
Biomedical informatics team outside of your research group	25
Biomedical informatics team within your research group	4
Data analyst outside of your research work	19
Data analyst within your research group	10
Hospital Information Technology personnel	27

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With whom would you collaborate at your local institution in order to electronically extract data for a PETAL trial?(select all that apply)	Frequency
Collaboration for electronic data extraction unavailable	1
Other	2

In what way would your collaborator(s) in electronic data extraction receive compensation?	Number of Sites
Hourly billing	17
Percent effort	8
In-kind contribution of effort	2
Other/unknown	13

Does your site have a CTSA (Clinical and Translational Sciences Award Program)?	Number of Sites
Yes	26
No	10
Unknown	3

Does your CTSA have an informatics service or core for EHR-data extraction?	Number of Sites
Yes	21
No	10
Unknown	7

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Do you have access to REDCap at your site?	Number of Sites
Yes	37
No	3