

The Adaptive eClinical Bus offers connectivity to roughly three quarters of all Public Health Information found in electronic health records and electronic medical records managed by Epic Systems Corporation and Cerner Corporation.

# Electronic Health Records

Gain Interoperability by incorporating Electronic Health Records Data Flows Quickly and Efficiently using the Adaptive eClinical Bus®



## Create Bi-Directional Workflows

As you look to incorporate electronic medical records (EMR) and electronic health records (EHR) into decentralized trials, Adaptive Clinical Systems' platform facilitates bi-directional data workflows across all study partners and eClinical data sources. The Adaptive eClinical Bus® facilitates flexible integration of new sources and sites as they continue to grow with your clinical trials. Our solution ensures accurate and efficient clinical data interoperability for any study of any complexity while going well beyond simple point-to-point integration.

Our clients tell us that the number one benefit of incorporating electronic health records is the time and cost savings associated with the reduction in transcription services and duplicate data entry. Adaptive Clinical notes a number of efficiencies and core benefits for integrating EHR/EMR into EDC systems that include:

- Reduction of transcription services for data for the eCRF or to the paper case report form
- Elimination of second source-data verification
- More accurate data that eliminate transcription errors
- Reduce the use or need for stand-alone EDC systems by health care providers who are participating as investigators
- Provide the ability to integrate with other health care clinical information systems (e.g., radiology information systems, laboratory information systems).

## Achieve Successful Interoperability with EHR/EMR Data

Adaptive Clinical has found that a number of intangible benefits are achieved when incorporating EHR/EMR into your clinical trial, including:



Improved relationships with sites



Data is provided more quickly



Data is actionable more quickly



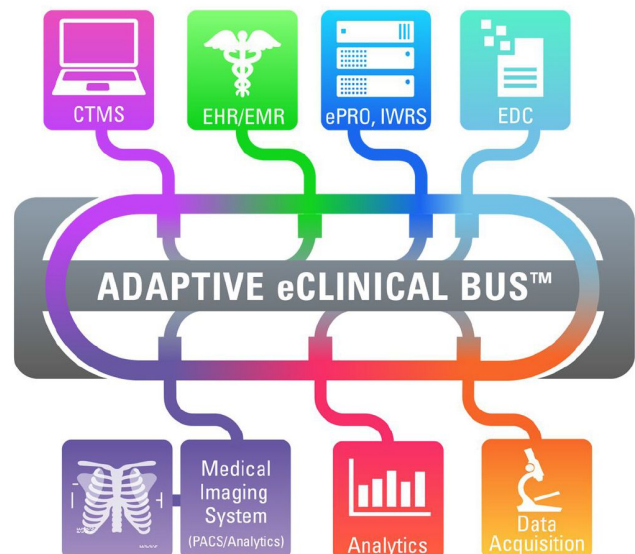
The quality of data is improved

As your partner, we understand the areas you need to consider as you begin to add these records to decentralized clinical trials. It's important to have an experienced partner who understands these issues must be reviewed, addressed, and managed to successfully implement. Among the issues that clinical trial leaders must overcome when integrating EMR/EHR data:

- The protocol or the data management plan
- Information about the intended use of the EHR during a clinical investigation
- Description or diagram of the electronic data flow between the EHR/EMR and the sponsor's electronic system supporting the trial
- Description of how the relevant EHR data is extracted, harmonized and subsequently imported into the sponsor's electronic system
- Patient privacy and Internet security
- Data Validation
- Ownership of the data
- Contracts with sites may need to be amended to share data
- Technical reviews to set up connectors, variations, and complex data rules

Adaptive Clinical Systems is an eClinical Technology Solutions provider and "Problem-Solver" providing EDC to CTMS integration and data flow improvements in your clinical trials.

Integrate proprietary and commercial off-the-shelf (COTS) tools and leverage your existing in-house investments, enabling you the freedom to choose the best tools for your study without the need for complex and expensive integration projects. The Adaptive eClinical Bus easily integrates all leading EDC (eg, Medidata, Bioclinica, OpenClinica, etc.), CTMS (eg, IMPACT, Biooptronics, etc.), and Medical Imaging and Analysis tools (eg, Siemens, mint Lesion, etc.).





## Leverage Adaptive Clinical's Solutions for End-to-End Visualization

Once the integration is complete and the data is on the Adaptive eClinical Bus®, disparate EMRs can be routed to different EDCs. Adaptive DataVIEW™, is the only tool to give a holistic review of all data from all sources. Reports can be generated by type of EMR; by separate EDCs, or in combined view of all data, including tail-end, holistic and end-to-end.

**70%** reuse of all design content, regardless of EDC

**68%** reduction in study setup time

**55%** reduction in data management, data transformation and aggregation

**43%** reduction of source data verification time

**27%** reduction in resources

**CTO Review** 20 MOST PROMISING PHARMA & LIFE SCIENCES TECH

pharma TOP 10 eClinical TRIAL MANAGEMENT



For more than a decade, Adaptive Clinical Systems has offered an interoperability solution for your most complex clinical data challenges. Our Adaptive eClinical Bus® solution integrates clinical study data from multiple systems and platforms - EDC, eCOA, CTMS, Medical Imaging, IRT, wearables and analytics/data visualization systems. Adaptive Clinical has introduced Adaptive DataVIEW™, a comprehensive data visualization solution that complements and extends any data source from the Adaptive eClinical Bus® to operationalize, gain insight from, exchange and visualize data more quickly.

**adaptive)(clinical**  
SYSTEMS

856-473-4370

info@adaptive-clinical.com

**We are specialists with decades of experience in:**

- eClinical informatics development and integration
- Regulatory compliance and systems validation
- › Rapid, precise, and cost-efficient project implementation
- › Proprietary systems integration