

## Developed with MEDITECH for the Exchange of Clinical Data with Physician EMRs

Interoperability between physician EMRs and hospitals is imperative for providing the level of care that patients deserve. Achieving an effective HIE, with streamlined orders and results, no longer needs to be a costly, resource-intensive process. Furthermore, hospitals should be assured that their solution is supported by their HCIS vendor.



## The Solution

A MEDITECH-endorsed interoperability solution, Data Express provides for the exchange of HL7 data with physician EMR applications. Data flows seamlessly into physician EMRs from a variety of MEDITECH applications, including: Laboratory, Microbiology, Blood Bank, Pathology and ITS, Radiology, and Departmental. Furthermore, Data Express allows physicians to submit orders to MEDITECH directly from their EMRs. The outcome is an efficient, reliable, and cost-effective, results-out and orders-in data exchange.

## How it Works

### Results Out

Data Express is designed to accept messages from a set of MAGIC and Client/Server HL7 interfaces developed by MEDITECH. Data Express transforms these unique HL7 messages into a normalized format and transmits them to physician offices via electronic maps (eMaps) configured according to the recipient's EMR profile. Clinical data is automatically sent to the physician's EMR as soon as it is available in MEDITECH, thereby providing the physician with timely information in their delivery of care.

### Orders In

Physicians now have the ability to submit orders directly from their EMRs to the MEDITECH HCIS. Orders received by Data Express are transformed and sent via an interface to MEDITECH, not scripted into the system. This streamlined process creates a complete lifecycle of the order and helps ensure accuracy and efficiency.

## An Affordable Interface Solution

Data Express utilizes eMaps to deliver data based on the physician EMR specification. These maps have a unique licensing structure, allowing multiple physicians with the same EMR specification to utilize the same map. This "one-to-many" licensing model does away with traditional point-to-point interfacing, and provides a cost-effective and scalable solution for MEDITECH facilities.

## Deployed by Forward Advantage and MEDITECH

Data Express can significantly reduce the time and effort your resources spend deploying your interoperability solution. The solution is implemented by Forward Advantage and MEDITECH, and testing is a shared effort with your team. This approach minimizes the impact on your resources and daily operations. Coupled with the standard interfaces from MEDITECH, deployment is streamlined and efficient.

## Key Features:

- A MEDITECH-endorsed solution preconfigured to accept MEDITECH HL7 interface sets
- Orders are delivered to MEDITECH via an interface, not scripted into the system
- Cost effective with a "one-to-many" EMR interface approach
- Ability to perform electronic orders via physician EMRs
- Demonstrates electronic exchange of information and Meaningful Use for EMRs
- PHI disclosure audit trail to support HIPAA initiatives

*This EHR Module is 2014 Edition compliant and has been certified by an ONC-ACB in accordance with the applicable certification criteria adopted by the Secretary of the U.S. Department of Health and Human Services. This certification does not represent an endorsement by the U.S. Department of Health and Human Services.*

*Forward Advantage, Inc., 12/12/2013, Data Express v3.80, Criteria Certified: 170.314(d)(1,5,8), 170.314(f)(1-4), 170.314(g)(4), 12122013-2400-6, No Clinical Quality Measures tested, Additional software used: Active Directory.*

### Certification Criteria (170.314(d)) tested:

- (1) Authentication, access control, and authorization
- (5) Automatic log-off
- (8) Integrity

### Certification Criteria (170.314(f)) tested:

- (1) Immunization Information
- (2) Transmission to Immunization Registries
- (3) Transmission to public health agencies – syndromic surveillance
- (4) Inpatient setting only – transmission of reportable laboratory tests and values/ results

### Certification Criteria (170.314(g)) tested:

- (4) Quality management system

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### Certification Criteria (170.314(d)) tested:

- (1) Authentication, access control, and authorization*
- (5) Automatic log-off*
- (8) Integrity*

### Certification Criteria (170.314(f)) tested:

- (1) Immunization Information*
- (2) Transmission to Immunization Registries*
- (3) Transmission to public health agencies – syndromic surveillance*
- (4) Inpatient setting only – transmission of reportable laboratory tests and values/results*

### Certification Criteria (170.314(g)) tested:

- (4) Quality management system*

## Costs and Limitations

*The cost types, technical limitations, and contractual limitation of this certified product-version are described here.*

- The cost of the product includes software and implementation services.*
- Customers must sign a Maintenance & Support contract, which outlines the terms of application maintenance and support and our connectivity to the customer's system. The fees are not included in the initial purchase of the software and are charged as annual recurring fees. There is a 1-year term on the contract that is auto-renewed.*
- A computer or virtual machine to run the software that has Microsoft Windows Server software installed. In addition, the customer must license MS Active Directory software if not already installed. Customers may use the free SQL Express license for the database but have the option to upgrade to paid versions of SQL Server if desired. Any costs related to this are attributed to operating system, access control and security, and database management.*
- It is the responsibility of the customer to obtain the underlying hardware, network, and storage infrastructure that is capable of handling the volume of transactions for the customer's specific situation.*
- Customers may choose to purchase additional maps at an additional cost as their use of the system expands and grows.*
- Customers must order and pay for the appropriate HL7 interfaces from their primary hospital information system vendor if they do not already have them in place.*
- Third parties are not required for implementation, but customers may choose to work with hosting companies and outsource this function. There are no limitations on who they may select for this purpose. Most hosting providers require customers to enter into an agreement for services over a specific term, but most existing customers install and operate our product internally and do not outsource this function.*
- If the customer chooses to work with a third party, there are no limitations imposed by us, other than the required associated software licenses from Microsoft. There may however be technical or operational limitations based on the existing applications and the operating environment at the customer site that are beyond our control.*

### For more information, please contact us at:

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