



InForm™ Adapter

Solution Highlights:

Key Benefits

- Rapid integration and extensibility
- Leverages existing clinical and non-clinical technology investments to drive operational benefits
- Works with proprietary or packaged applications
- Reduces the customization effort when developing integrated solutions
- Lowers costs by providing tested interfaces that can be leveraged across multiple InForm trials
- Assures standards-based interoperability via CDISC-certified ODM data extracts



InForm Adapter leverages InForm data to connect independent business operations

The InForm Global Trial Management (GTM) electronic data capture (EDC) solution delivers exceptional ease-of-use for data capture and data visibility. With the introduction of the InForm Adapter module, InForm GTM customers and partners can further extend data management interoperability across their entire business IT infrastructure.

Through the use of standards-based Web Services interfaces, the InForm Adapter module provides a number of integration points that enable InForm GTM-driven extensibility and workflow across systems. InForm clinical data, metadata, and event information can now be used to drive extended processes across multiple business systems. Study data can be exchanged with business systems, transaction systems, and homegrown or packaged applications.

Critical data points and timeline events, captured in the InForm database, can now be automatically fed into extended business operations. Subject and clinical data captured during enrollment can be passed to supporting systems such as Safety, Clinical Trial Management Systems (CTMS), ePRO Diaries and others. Pre-identified events captured during the conduct of the trial can trigger other systems to initiate operations such as payments, change orders, or inventory adjustments. With the InForm Adapter module, customers and partners have the tools needed to easily integrate their clinical and business operations.

Increased Interoperability via Interfaces

The InForm Adapter module provides a set of published Web Services interfaces that enable the secure, and in many instances bi-directional, exchange of data and information with the InForm GTM environment. These Web Services interfaces provide the key, enabling developers and IT staff to extract data via a scheduled process. Alternatively, processes can be dynamically triggered based on dependent events identified in a study. The InForm Adapter interfaces and functionality include:

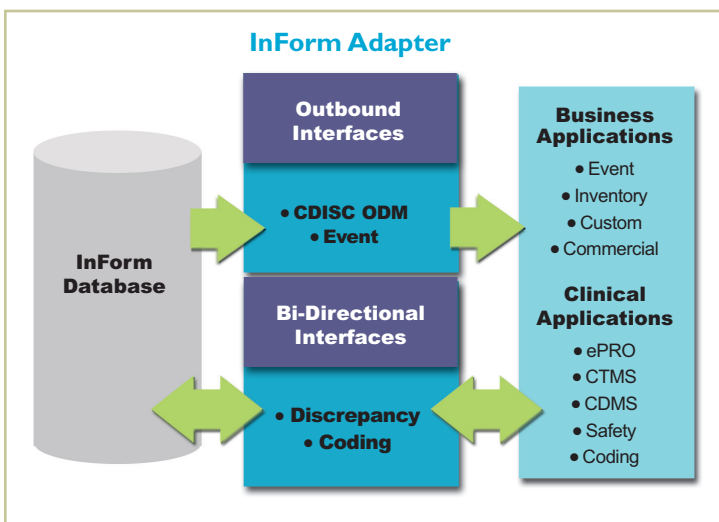
- **Operational Data Management (ODM)Export Interface:** Delivers InForm metadata and clinical administration, site, patient, visit, and form data in Clinical Data Interchange Standards Consortium (CDISC) ODM standard format. Eliminates the added work and expense for ODM-compliant mappings and transformations.
- **Discrepancy Interface:** Transmits InForm clinical data queries bi-directionally to and from other source systems. Capabilities include generating open queries and routing answers between systems.
- **Event Interface:** Publishes events that can be used to trigger a routine in an external system. Events include both status changes and data changes when they occur in the InForm solution.

The InForm Adapter at Work

Reliable and efficient operations require information exchange between disparate IT systems. Developing the programs can often be cumbersome and resource intensive. The InForm Adapter reduces interconnectivity difficulties that can burden the development effort.

High Impact Features:

- Software offered at no cost to InForm GTM users
- Fully tested and validated
- Easy to configure, deploy and administer
- Web Services interfaces assure ease of integration
- 3-tiered standards-based security model



Leveraging InForm data and event information, the InForm Adapter module drives extended workflow solutions across business and clinical systems.

Securing the Exchange

Multi-tiered security methods authenticate and authorize the communications between the InForm Adapter module and other systems. The InForm Adapter module supports Secure Sockets Layer (SSL) certificates, Microsoft® Windows authentication and Security Assertion Markup Language (SAML) authentication and authorization security methods.

Delivering Standards-Based Flexibility

The InForm Adapter module is easy to set up and administer, providing InForm GTM developers and system administrators the means to address constantly changing business requirements in a flexible and streamlined fashion. Because the InForm Adapter module employs standards-based integration technology, developers will find it easy to adopt and intuitive to use. The InForm Adapter is also versioned independently of the InForm GTM software to ensure more rapid delivery of additional interfaces.

Scaling to Meet the Challenges

The InForm Adapter module provides structured, powerful functionality that enables users to define and achieve interoperability among disparate IT systems. Since the InForm Adapter module runs on multiple operating systems and can be configured in a single tier or multi-tier deployment architecture, it meets the scalability requirements of the most demanding integrations.

Managing the Bottom Line

The InForm Adapter module is delivered at no cost to InForm GTM users. In addition to cost savings, the InForm Adapter module reduces upfront architecture and design costs by providing open and well-tested interfaces that can be leveraged across multiple InForm trials. This ability significantly reduces integration, validation and trial management costs and allows for rapid deployment.

Leveraging Your Investment

With the InForm Adapter module, Phase Forward delivers unprecedented value to the InForm GTM user base. Captured data and InForm processes that to date have been efficiently managing clinical studies can now be leveraged to interoperate within a broader community of applications, enabling new efficiencies across an organization and beyond the clinical realm.

System Requirements:

InForm GTM/ITM:

- InForm 4.6
- InForm 4.7

Operating Systems:

- Windows 2003 Standard or Enterprise Edition SP2

Database Requirements:

- Oracle 10 g

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