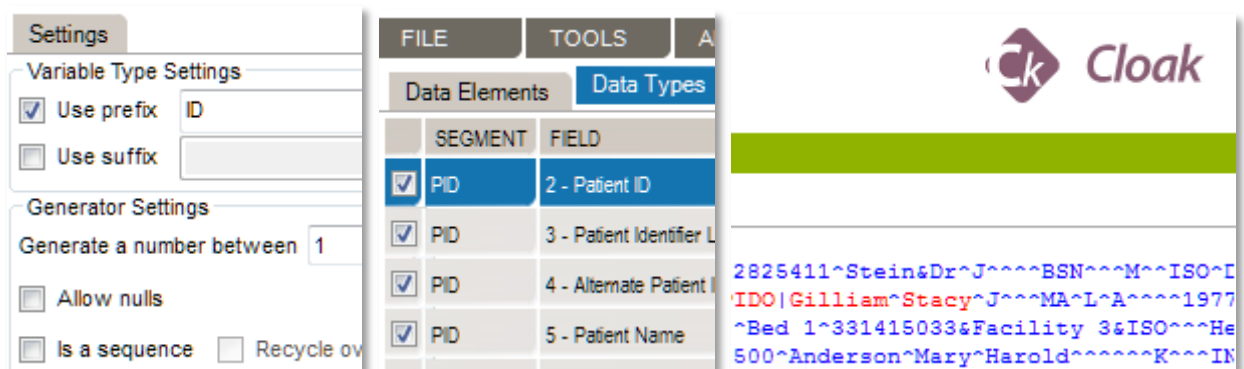


Caristix™ Cloak Software

PRODUCT OVERVIEW



Caristix Cloak de-identifies protected patient data in HL7 logs and message flows. So you share health information with greater peace of mind.



Preconfigured HIPAA Identifiers

All 18 HIPAA identifiers are flagged automatically. Map protected health information to HL7 fields and segments.

Preserve Message Flow

Some de-identification methodologies scramble event flow. For instance, a de-identified patient might be discharged before admission. With Cloak, you can choose to preserve accurate message flow.

Batch Processing

The desktop version of Cloak lets you process a log file containing up to 25,000 messages. Save de-identified data in a message file for easier sharing.

Custom Identifiers

Customize a list of HL7 message elements and data types for repeatable de-identification. Re-use saved lists as often as needed.

Replacement Data Choices

You aren't limited to the built-in data dictionary for randomized data replacement. Generate replacement data from external Excel files, text files, tables, and SQL queries.

Web Service Integration

For workflow-based integration and processing on the fly, Cloak is available as a software service for SOA (service-oriented architecture) integration.

Caristix™ Cloak Software (BETA)

Features

Data element configuration

Benefits

- Settings are flexible, so you control randomness in de-identified data.
- Preserve message flow. For instance, link all records for ID 12345 as new ID 84563.
- Or scramble all records so no flow is preserved.

Data type coverage

- Target a complete data type for de-identification – for instance, all XPN occurrences. This helps you cover all names in a record – the patient, next of kin, and physician.

Reference profile

- Parse the log against a known HL7 conformance profile or schema created with Caristix™ Conformance software. Ensure coverage of Z-segments and customized fields.
- When the schema is unknown, parse against a standard HL7 v2.x profile.

SOA integration

- For de-identifying a continuous stream of data, integrate Cloak in an SOA environment.
- Messages can be processed through multiple paths. Enable on-the-fly message de-identification so sensitive data is protected when interfacing with 3rd-party systems (for data analytics or other purposes).

Granular data generator options

- Start with Cloak's built-in data dictionary. For additional control, get replacement values from an external Excel file, text file, table, or SQL query.
- Control the granularity of event content. For instance, create your own replacement data to link med orders to demographically accurate patient profiles.

System Requirements

Desktop

- Operating system: Windows XP; Windows Vista; Windows 7: 32 or 64-editions
- .NET 3.5 Framework

Web Services

- IIS 6.0 and above

www.caristix.com **1-877-872-0027** **418-872-4000**