

Solving the Data Sharing Dilemma for Stakeholders



Secure Exchange Solutions (SES) provides healthcare participants, hospitals, plans and intermediaries (EMR vendors, HIEs) with scalable standardized solutions that:

- Increase access to and protect health information.
- Are aligned with and even go beyond the requirements outlined in the rules.
- Provides clinical data access to EMRs, clinical data repositories, trust communities including DirectTrust, CareQuality/Commonwell and SHIEC HIEs nationwide - all of which are key to comprehensive data sharing.
- Supports clinical exchange in alignment with the HL7 DaVinci project which connects EMR systems with payers.

To promote data sharing, CMS and ONC jointly released the **CMS Interoperability Rule and the ONC Cures Act Rule on March 9, 2020**, as part of the **21st Century Cures Act**. The rules cover data sharing to advance care continuity, patient access to information, and prevention of information blocking.

Here's how we support the following rule requirements:

Admission, Discharge, and Transfer (ADT) Event Notifications (Applicable May 1, 2021)

The CMS rule establishes new Conditions of Participation (CoPs) requiring hospitals, including psychiatric hospitals and CAHs, to send electronic patient event notifications of a patient's admission, discharge, and/or transfer to another healthcare facility or to another community provider or practitioner. Here's how we support this requirement:

SES Notify is the leading health event alerting solution in the market, serving multiple markets and hospitals, providers (ambulatory, specialty, LTPAC and social services) and payers. Notify stands out from simple ADT alerting capabilities and encounter notification alerting because of SES's nationwide reach into provider EMRs and the product's innate ability to streamline the patient/provider/caregiver relationship/roster. Also, Notify extends alerting to external providers and payers who are part of SES trust communities and delivers notifications directly into the workflow of receiving provider's EMRs (without requiring a costly interface).

Use Cases

- **Post-acute care organization** – utilizing alerts to speed authorizations and improve home care coordination.
- **Integrated health care system** – delivering automated ADT health alerts to cut costs, improve care, and reduce ED use.
- **Commercial health plan** – closing care gaps, within providers EMR workflows, to meet quality/cost measurement thresholds aligned with value-based reimbursement program.
- **Medicaid** – managing high risk patients, to improve transitions of care, enhance medical decision making and reduce costly and preventable readmissions.

Digital Contact Information with Support for NPPES Data Reporting (Applicable Late 2020)

The CMS rule requires providing digital contact information such as secure digital endpoints like a Direct Address and/or a FHIR API endpoint.

SES offers a nationwide directory service that captures routing information to support interoperability and exchange of clinical information. SES has the flexibility to access directory sources such as the NPPES as well as our own registration, online ID verification and enrollment system to onboard directory endpoints across application partners and aggregators, including access to 2M+ endpoints.

CMS Interoperability and Patient Access Rule

Our directory services support additional critical directory data such as:

- Plan information (i.e. this provider accepts Medicaid) to support payer access
- RESTful API calls, with new account and certificate provisioning services and SSO authentication
- FHIR interfaces via HL7 v.3 data element formats and OAuth 2.0 authorization
- PKI-based authentication and authorization leverages the SES certificate authority infrastructure

Use Case: SES Directory Service is currently being used to help SES clients switch from Faxing information to sending the information via Direct.

Patient Access API (Applicable July 1, 2021)

This rule requires CMS-regulated payers to implement and maintain a secure, standards-based (HL7 FHIR Release 4.0.1) API that allows patients to easily access their claims and encounter information. Here's how we support this requirement:

SES has a demonstrated and proven history supporting EMR vendors in their certification efforts with health information exchange. As an ONC Certified Solution for Transport (SES Direct Certification Details – ONC-HIT 2015 Edition Certification), SES provides support to EMR vendors as they migrate toward a scalable FHIR mechanism for patient queries. With over 94 integrated solution partners, 50% of which SES has helped through the EMR certification process, SES provides technology and SME expertise that is critical to navigate this new model.

SES supports this in several ways:

- **Security model** – SES eases the security connectivity between the patient application and the EMR. Setting up an ID for every patient on every application will be challenging for EMR vendors.

- **Enabling the provider EMR** - by creating an interface between the FHIR query and the EMR.
- **Leveraging the FHIR query for Payer** (and other entity query) makes it far easier for the payer to get certain information. This is the intent of the DaVinci project.
- **Messaging to providers from patients** via secure email - streamlines care delivery. While the FHIR gateways support normalized approved messages – SES existing Direct Patient connectivity will allow for expanding it. For example, this connectivity allows providers to communicate with their patients, independent of their EMR, and bill payers for the interaction.

The DaVinci Project

The SES platform supports existing and proposed standards that align with the DaVinci project. Initial use cases include sending the ADT's to a payer system via FHIR. One of the high impact use cases is prior authorization which makes use of several modules from SES.

Use cases include:

SPOT for Clinical Review

- SES's AI (NLP + ML) product for evaluating clinical information. With the more abundant transfer of clinical information – there is additional scrutiny on the chart. SPOT CR uses AI to convert and ingest payment/ authorization clinical rules from existing written documents (non-normalized) to create the logic to read medical records.

Digital Certificates

- These are used for signing, authentication and encryption. For payment services, providers are required to sign medical necessity documents, orders, notes, etc. The ability to have providers proof of digital signatures is key.

SPOT for Extraction

- Much of the information being exchanged is still being done via human readable (not machine readable) documents. This information must be attached to provider and payer workflow – or parsed for other reasons.

SES provides a nationwide cloud-based clinical data exchange service that gathers, delivers and analyzes sensitive health care information between providers and payers while ensuring compliance, improving efficiency and quality. **Our network includes 378,000+ registered customers and access to a network of over 2M Direct participants, representing 1,500 hospitals, 82,000 provider organizations, 40+ health information exchanges, and 95 integrated EMR and HIT application partners.** SES provides our customers and partners access to trust networks including DirectTrust, CareQuality/Commonwell, SHIEC HIEs, and direct to EMR relationships.

We help hospitals, plans and intermediaries (EMR vendors, HIEs) meet the requirements outlined in the CMS/ONC rules. Contact us at info@secureexsolutions.com or call us at 1-888-470-9913 to learn more.

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