Electronic Prescribing Updates

ONC Interoperability Standards Advisory (ISA)

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2019 Edition Reference ISA

- Updates included in the 2019 Reference Edition ISA based on numerous changes made to address public comments received, including but not limited to:
  - » Allows a Prescriber to Prescribe Medication Using Weight-Based Dosing
  - » Allows a Prescriber to Request a Patient's Medication History from a State Prescription Drug Monitoring Program (PDMP)
- Updates since the 2019 Edition Reference ISA, including but not limited to:
  - » Specialty Care and Settings functionality (opioids and pediatrics)
  - » Allows a Prescriber to Send a Prescription to a Pharmacy for a Controlled Substance
  - » Allows a Prescriber to Communicate Drug Administration Events
  - » Allows a Prescriber to Communicate with a REMS Administrator
  - » Allows for the Exchange of State Prescription Drug Monitoring Program (PDMP) Data

Specialty Care and Settings

- New functionality supports "Specialty Care and Settings" to display a list of interoperability needs supporting particular care needs or settings, including Opioids (prevention and treatment) and Pediatrics .

Interoperability Standards Advisory

2019 ISA Reference Edition

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Propose a New Interoperability Need

Specialty Care and Settings

Opioids   Pediatrics

The Office of the National Coordinator for Health Information Technology

21st Century Cures Act NPRM

- 21st Century Cures Act: Interoperability, Information Blocking, and the ONC Health IT Certification Program

    » https://www.healthit.gov/sites/default/files/nprm/ONCCuresActNPRM.pdf

    » Proposes update to electronic prescribing (eRx) SCRIPT standard in 2015 Edition from NCPDP SCRIPT v10.6 to NCPDP SCRIPT 2017071

        – CMS recently finalized its Part D standards to NCPDP SCRIPT 2017071 for eRx and medical history, effective January 1, 2020

        – ONC and CMS have maintained complementary policies and aligned standards to ensure that the current standard for certification permits use of the current Part D eRx standards

        – New eRx standard will eventually become the baseline for ONC Health IT Certification

        – ONC will continue to reference the current transactions included in § 170.315(b)(3) and propose to require all of the NCPDP SCRIPT 2017071 standard transactions CMS adopted

New eRx Certification Criterion § 170.315(b)(11)

- Create new prescriptions (NewRx, NewRxRequest, NewRxResponseDenied)

- Change prescriptions (RxChangeRequest, RxChangeResponse)

- Cancel prescriptions (CancelRx, CancelRxResponse)

- Renew prescriptions (RxRenewalRequest, RxRenewalResponse)

- Receive fill status notifications (RxFill, RxFillIndicatorChange)

- Request and receive medication history (RxHistoryRequest, RxHistoryResponse)

New eRx Certification Criterion § 170.315(b)(11) (cont.)

- Ask the Mailbox if there are any transactions (GetMessage)

- Relay acceptance of a transaction back to the sender (Status)

- Respond that there was a problem with the transaction (Error)

- Respond that a transaction requesting a return receipt has been received (Verify)

- Request to send an additional supply of medication (Resupply)

- Recertify the continued administration of a medication order (Recertification)

- Complete Risk Evaluation and Mitigation Strategy (REMS) Transactions (REMSInitiationRequest, REMSInitiationResponse, REMSRequest, and REMSResponse)

New Electronic Prescription

Allows a Prescriber to Send a New Prescription to a Pharmacy

Type	Standard / Implementation Specification	Standards Process Maturity	Implementation Maturity	Adoption Level	Federally required	Cost	Test Tool Availability
Standard	NCPDP SCRIPT Standard, Implementation Guide, Version 10.6	Final	Production	●●●●●	Yes	$	Yes
Standard	NCPDP SCRIPT Standard, Implementation Guide, Version 20 17071	Final	Pilot	●○○○○	Yes	$	Yes
Emerging Standard	HL7 FHIR Medication Request	In Development	Pilot	Feedback Requested	No	Free	No

Limitations, Dependencies, and Preconditions for Consideration	Applicable Security Patterns for Consideration

- The following transactions need to be implemented for interoperability purposes:
  - SCRIPT 10.6 & SCRIPT 2017071 -
    - NewRx: This transaction is a new prescription sent from the prescriber to the pharmacy electronically so that it can be dispensed to a patient
 	
  - SCRIPT 2017071 -
    - NewRxRequest: This transaction is a request from a pharmacy to a prescriber for a new prescription for a patient
      - NewRxResponseDenied: This transaction is a denied response to a previously sent NewRxRequest (If approved, a NewRx would be sent)
        - A NewRxResponseDenied response may occur when the NewRxRequest cannot be processed or if information is unavailable
- Both the prescriber and the pharmacy must have their systems configured for the transaction in order to facilitate successful exchange, including the ability to send or receive verify, status, or error transactions.
- See NCPDP projects in the Interoperability Proving Ground.
	- **Secure Message Router** – securely route and enforce policy on inbound and outbound messages without interruption of delivery.
	- **Authentication Enforcer** – centralized authentication processes.
	- **Authorization Enforcer** – specifies access control policies.
	- **Credential Tokenizer** – encapsulate credentials as a security token for reuse (e.g., – SAML, Kerberos).
	- **Assertion Builder** – define processing logic for identity, authorization and attribute statements.
	- **User Role** – identifies the role asserted by the individual initiating the transaction.
	- **Purpose of Use** - Identifies the purpose for the transaction.

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Questions?

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