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Approved Use Cases & Specifications

Query & Retrieve With Consent, No Authorization

Use Case	Coordinating Committee Use Case Approval[1 2]	Performance & Service Specifications[3, 4]	Coordinating Committee Performance & Service Specification Approval	Performance & Service Specification Location	Adoption	Notes
Query & Retrieve	11/18/2009	Web Services Registry Web Service Interface Specification v 3.1	3/6/2012	https://ehealthexchange.org	265+ Participants	
Query & Retrieve	11/18/2009	Sequoia HL7 FHIR® Healthcare Directory, HL7 FHIR Standard for Trial Use (STU3)	10/18/2016	http://build.fhir.org	Emerging via Hub	
Query & Retrieve	11/18/2009	Messaging Platform v3.0 approved 6/27/2011 - Required	6/27/2011	https://ehealthexchange.org	265+ Participants	
Query & Retrieve	11/18/2009	Patient Discovery v2.0 - Required	6/27/2011	https://ehealthexchange.org	265+ Participants	IHE ITI-55
Query & Retrieve	11/18/2009	Query for Documents v3.0 - Required	6/27/2011	https://ehealthexchange.org	265+ Participants	IHE ITI-38
Query & Retrieve	11/18/2009	Retrieve Documents v3.0 - Required	6/27/2011	https://ehealthexchange.org	265+ Participants	IHE ITI-39
Query & Retrieve	11/18/2009	Authorization Framework v3.0 – Required	6/27/2011	https://ehealthexchange.org	265+ Participants	
Query & Retrieve	11/18/2009	NIST Special Publication 800-171 Revision 1	8/13/2019	https://csrc.nist.gov/publications	Required by 1/1/2022	
Query & Retrieve	11/18/2009	C32/CCD, version 2.5 (Meaningful Use, Stage 1 2011 edition Standard)	1/10/2017	http://www.hitsp.org/Handlers/HitspFileServer.aspx?FileGuid=e1b99525-a1a5-48f6-a958-4b2fc6d7a5c7	< 60 HIEs & dialysis providers	
Query & Retrieve	11/18/2009	Consolidated CDA (Meaningful Use, Stage 2 – 2014 edition Standard – US Realm Version 1.1) & associated Companion Guides	1/10/2017	http://www.hl7.org/implement/standards/product_matrix.cfm	few, if any	Specification approved by Coordinating Committee as a Performance & Service Specification (not a lower level standard) via Validation Plan (e.g. Validation Plan v5)
Query & Retrieve	11/18/2009	Consolidated CDA (Meaningful Use, Stage 3 – 2015 edition Standard – US Realm Version 2.1) & associated Companion Guides	1/10/2017	http://www.hl7.org/dstucomments/showdetail.cfm?dstuid=168	200+ Participants	Specification approved by Coordinating Committee as a Performance & Service Specification (not a lower level standard) via Validation Plan (e.g. Validation Plan v5)
Query & Retrieve	11/18/2009	Renal Consolidated CCDA	10/18/2016	http://sequoiaproject.org/wp-content/uploads/2016/09/End-Stage-Renal-Disease-Implementation-Guide-Package.zip	Perhaps DaVita, Satellite Healthcare, Fresenius, & Epic (2020) share this	Specification approved by Coordinating Committee as a Performance & Service Specification (not a lower level standard) via Validation Plan (e.g. Validation Plan v5)

Query & Retrieve with Authorization (for Social Security Benefits Determination)

Coordinating Committee Use Case Approval[1][2]	Performance & Service Specifications[3,4]	Coordinating Committee Performance & Service Specification Approval	Performance & Service Specification Location	Adoption	Notes
11/18/2009	Web Services Registry Web Service Interface Specification v 3.1	3/6/2012	https://ehealthexchange.org	170+ Participants	
11/18/2009	Sequoia HL7 FHIR® Healthcare Directory, HL7 FHIR Standard for Trial Use (STU3)	10/18/2016	http://build.fhir.org	Epic Participants	
11/18/2009	Messaging Platform v3.0 approved 6/27/2011 - Required	6/27/2011	https://ehealthexchange.org	170+ Participants	
11/18/2009	Patient Discovery v2.0 - Required	6/27/2011	https://ehealthexchange.org	170+ Participants	IHE ITI-55
11/18/2009	Query for Documents v3.0 - Required	6/27/2011	https://ehealthexchange.org	170+ Participants	IHE ITI-38
11/18/2009	Retrieve Documents v3.0 - Required	6/27/2011	https://ehealthexchange.org	170+ Participants	IHE ITI-39
11/18/2009	Authorization Framework v3.0 – Required	6/27/2011	https://ehealthexchange.org	170+ Participants	
11/18/2009	NIST Special Publication 800-171 Revision 1	8/13/2019	https://csrc.nist.gov/publications	Required by 1/1/2022	
11/18/2009	C32/CCD, version 2.5 (Meaningful Use, Stage 1 2011 edition Standard)	1/10/2017	http://www.hitsp.org/Handlers/HitspFileServer.aspx?FileGuid=e1b99525-a1a5-48f6-a958-4b2fc6d7a5c7	< 10 Participants	
11/18/2009	Consolidated CDA (Meaningful Use, Stage 2 – 2014 edition Standard – US Realm Version 1.1) & associated Companion Guides	1/10/2017	http://www.hl7.org/implement/standards/product_matrix.cfm	few, if any	Specification approved by Coordinating Committee as a Performance & Service Specification (not a lower level standard) via Validation Plan (e.g. Validation Plan v5)
11/18/2009	Consolidated CDA (Meaningful Use, Stage 3 – 2015 edition Standard – US Realm Version 2.1) & associated Companion Guides	1/10/2017	http://www.hl7.org/dstucomments/showdetail.cfm?dstuid=168	170+ Participants	Specification approved by Coordinating Committee as a Performance & Service Specification (not a lower level standard) via Validation Plan (e.g. Validation Plan v5)
11/18/2009	Renal Consolidated CCDA	10/18/2016	http://sequoiaproject.org/wp-content/uploads/2016/09/End-Stage-Renal-Disease-Implementation-Guide-Package.zip	Perhaps Fresenius, & Epic (2020) share this	Specification approved by Coordinating Committee as a Performance & Service Specification (not a lower level standard) via Validation Plan (e.g. Validation Plan v5)
11/18/2009	Access Consent Policies (ACP) Production Specification – v1.0	6/27/2011	https://ehealthexchange.org	170+ Participants	

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Query & Retrieve with Authorization (for Life Insurance Underwriting)

Coordinating Committee Use Case Approval[1] [2]	Performance & Service Specifications[3, 4]	Coordinating Committee Performance & Service Specification Approval	Performance & Service Specification Location	Adoption	Notes
12/7/2016	Web Services Registry Web Service Interface Specification v 3.1	3/6/2012	https://ehealthexchange.org	< 10 Participants	
12/7/2016	Sequoia HL7 FHIR® Healthcare Directory, HL7 FHIR Standard for Trial Use (STU3)	10/18/2016	https://ehealthexchange.org	< 10 Participants	
12/7/2016	Messaging Platform v3.0 approved 6/27/2011 - Required	6/27/2011	https://ehealthexchange.org	< 10 Participants	
12/7/2016	Patient Discovery v2.0 - Required	6/27/2011	https://ehealthexchange.org	< 10 Participants	IHE ITI-55
12/7/2016	Query for Documents v3.0 - Required	6/27/2011	https://ehealthexchange.org	< 10 Participants	IHE ITI-38
12/7/2016	Retrieve Documents v3.0 - Required	6/27/2011	https://ehealthexchange.org	< 10 Participants	IHE ITI-39
12/7/2016	Authorization Framework v3.0 – Required	6/27/2011	https://ehealthexchange.org	< 10 Participants	
12/7/2016	NIST Special Publication 800-171 Revision 1	8/13/2019	https://csrc.nist.gov/publications	Required by 1/1/2022	
12/7/2016	C32/CCD, version 2.5 (Meaningful Use, Stage 1 2011 edition Standard)	1/10/2017	http://www.hitsp.org/Handlers/HitspFileServer.aspx?FileGuid=e1b99525-a1a5-48f6-a958-4b2fc6d7a5c7	< 10 Participants	
12/7/2016	Consolidated CDA (Meaningful Use, Stage 2 – 2014 edition Standard – US Realm Version 1.1) & associated Companion Guides	1/10/2017	http://www.hl7.org/implement/standards/product_matrix.cfm	few, if any	Specification approved by Coordinating Committee as a Performance & Service Specification (not a lower level standard) via Validation Plan (e.g. Validation Plan v5)
12/7/2016	Consolidated CDA (Meaningful Use, Stage 3 – 2015 edition Standard – US Realm Version 2.1) & associated Companion Guides	1/10/2017	http://www.hl7.org/dstucomments/showdetail.cfm?dstuid=168	< 10 Participants	Specification approved by Coordinating Committee as a Performance & Service Specification (not a lower level standard) via Validation Plan (e.g. Validation Plan v5)
12/7/2016	Renal Consolidated CCDA	10/18/2016	http://sequoiaproject.org/wp-content/uploads/2016/09/End-Stage-Renal-Disease-Implementation-Guide-Package.zip	Perhaps DaVita, Satellite Healthcare, Fresenius	Specification approved by Coordinating Committee as a Performance & Service Specification (not a lower level standard) via Validation Plan (e.g. Validation Plan v5)
12/7/2016	Access Consent Policies (ACP) Production Specification – v1.0	6/27/2011	https://ehealthexchange.org	< 10 Participants	

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Submit Quality Data

Use Case Highlights	Coordinating Committee Use Case Approval[1,2]	Performance & Service Specifications[3,4]	Coordinating Committee Performance & Service Specification Approval	Performance & Service Specification Location	Adoption	Notes
Push CDAs for quality reporting	11/18/2009	Messaging Platform v3.0 approved 6/27/2011 - Required	6/27/2011	https://ehealthexchange.org	CMS NRAA	
Push CDAs for quality reporting	11/18/2009	Authorization Framework v3.0 – Required	6/27/2011	https://ehealthexchange.org	CMS NRAA	
Push CDAs for quality reporting	11/18/2009	NIST Special Publication 800-171 Revision 1	8/13/2019	https://csrc.nist.gov/publications	Required by 1/1/2022	
Push CDAs for quality reporting	11/18/2009	C32/CCD, version 2.5 (Meaningful Use, Stage 1 2011 edition Standard)	1/10/2017	http://www.hitsp.org/Handlers/HitspFileServer.aspx?FileGuid=e1b99525-a1a5-48f6-a958-4b2fc6d7a5c7	None	
Push CDAs for quality reporting	11/18/2009	Consolidated CDA (Meaningful Use, Stage 2 – 2014 edition Standard – US Realm Version 1.1) & associated Companion Guides	1/10/2017	http://www.hl7.org/implement/standards/product_matrix.cfm	CMS NRAA	Specification approved by Coordinating Committee as a Performance & Service Specification (not a lower level standard) via Validation Plan (e.g. Validation Plan v5)
Push CDAs for quality reporting	11/18/2009	Consolidated CDA (Meaningful Use, Stage 3 – 2015 edition Standard – US Realm Version 2.1) & associated Companion Guides	1/10/2017	http://www.hl7.org/dstucomments/showdetail.cfm?dstuid=168	None	Specification approved by Coordinating Committee as a Performance & Service Specification (not a lower level standard) via Validation Plan (e.g. Validation Plan v5)
Push CDAs for quality reporting	11/18/2009	Renal Consolidated CCDA	10/18/2016	http://sequoiaproject.org/wp-content/uploads/2016/09/End-Stage-Renal-Disease-Implementation-Guide-Package.zip	None	Specification approved by Coordinating Committee as a Performance & Service Specification (not a lower level standard) via Validation Plan (e.g. Validation Plan v5)
Push CDAs for quality reporting	11/18/2009	Administrative Distribution Production Specification v2.0	6/27/2011	https://ehealthexchange.org	CMS NRAA	
Push CDAs for quality reporting	11/18/2009	Document Submission Production Specification v2.0	6/27/2011	https://ehealthexchange.org	CMS NRAA	

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PHR - Consumer Access to Health Information

Consumers (or their PHR vendors with authorization) Query & Retrieve other eHx Participants to populate patients' PHRs & share with other Participants.

Coordinating Committee Use Case Approval[1][2]	Performance & Service Specifications[3,4]	Coordinating Committee Performance & Service Specification Approval	Performance & Service Specification Location	Adoption	Notes
10/18/2016	Web Services Registry Web Service Interface Specification v 3.1	3/6/2012	https://ehealthexchange.org	None	
10/18/2016	Sequoia HL7 FHIR® Healthcare Directory, HL7 FHIR Standard for Trial Use (STU3)	10/18/2016	http://build.fhir.org	None	
10/18/2016	Messaging Platform v3.0 approved 6/27/2011 - Required	6/27/2011	https://ehealthexchange.org	None	
10/18/2016	Patient Discovery v2.0 - Required	6/27/2011	https://ehealthexchange.org	None	IHE ITI-55
10/18/2016	Query for Documents v3.0 - Required	6/27/2011	https://ehealthexchange.org	None	IHE ITI-38
10/18/2016	Retrieve Documents v3.0 - Required	6/27/2011	https://ehealthexchange.org	None	IHE ITI-39
10/18/2016	Authorization Framework v3.0 – Required	6/27/2011	https://ehealthexchange.org	None	
10/18/2016	NIST Special Publication 800-171 Revision 1	8/13/2019	https://csrc.nist.gov/publications	Required by 1/1/2022	
10/18/2016	C32/CCD, version 2.5 (Meaningful Use, Stage 1 2011 edition Standard)	1/10/2017	http://www.hitsp.org/Handlers/HitspFileServer.aspx?FileGuid=e1b99525-a1a5-48f6-a958-4b2fc6d7a5c7	None	
10/18/2016	Consolidated CDA (Meaningful Use, Stage 2 – 2014 edition Standard – US Realm Version 1.1) & associated Companion Guides	1/10/2017	http://www.hl7.org/implement/standards/product_matrix.cfm	None	Specification approved by Coordinating Committee as a Performance & Service Specification (not a lower level standard) via Validation Plan (e.g. Validation Plan v5)
10/18/2016	Consolidated CDA (Meaningful Use, Stage 3 – 2015 edition Standard – US Realm Version 2.1) & associated Companion Guides	1/10/2017	http://www.hl7.org/dstucomments/showdetail.cfm?dstuid=168	None	Specification approved by Coordinating Committee as a Performance & Service Specification (not a lower level standard) via Validation Plan (e.g. Validation Plan v5)
10/18/2016	Renal Consolidated CCDA	10/18/2016	http://sequoiaproject.org/wp-content/uploads/2016/09/End-Stage-Renal-Disease-Implementation-Guide-Package.zip	None	Specification approved by Coordinating Committee as a Performance & Service Specification (not a lower level standard) via Validation Plan (e.g. Validation Plan v5)
10/18/2016	eHealth Exchange Personal Health Record (PHR) Profile	10/18/2016	https://ehealthexchange.org	None	The PHR specification was approved by the Coordinating Committee on 10/1/2016, and not limited for trial use, but needs to be revisited with additional community input once a real-world implementation is underway.
10/18/2016	Access Consent Policies (ACP) Production Specification – v1.0	6/27/2011	https://ehealthexchange.org	None	

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Direct Secure Messaging

Use Case Highlights	Coordinating Committee Use Case Approval[1][2]	Performance & Service Specifications[3,4]	Coordinating Committee Performance & Service Specification Approval	Performance & Service Specification Location	Adoption	Notes
To avoid negotiating and maintaining point to point BAAs, Direct Secure Messaging provided by HISPs leverages the DURSA trust framework.	4/21/2015 & 10/18/2016	NIST Special Publication 800-171 Revision 1	8/13/2019	https://csrc.nist.gov/publications	Required by 1/1/2022	
To avoid negotiating and maintaining point to point BAAs, Direct Secure Messaging provided by HISPs leverages the DURSA trust framework.	4/21/2015 & 10/18/2016	Direct – Direct Project Applicability Statement for Secure Transport v1.2	10/18/2016	http://wiki.directproject.org/File/view/Applicability%2BStatement%2Bfor%2BSecure%2BHealth%2BTransport%2Bv1.2.pdf	- APHL, NC HIE, UC Davis for Electronic Case Reporting (eCR) - VHA, Stanford, Sutter, etc were using until VHA policy change - Various HIEs & Ai beginning soon	

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Electronic Case Reporting (eCR)

Use Case Highlights	Coordinating Committee Use Case Approval[1,2]	Performance & Service Specifications[3,4]	Coordinating Committee Performance & Service Specification Approval	Performance & Service Specification Location	Adoption	Notes
To avoid negotiating and maintaining point to point BAAs, Direct Secure Messaging provided by HISPs leverages the DURSA trust framework.	2/19/2019	NIST Special Publication 800-171 Revision 1	8/13/2019	https://csrc.nist.gov/publications	Required by 1/1/2022	
To avoid negotiating and maintaining point to point BAAs, Direct Secure Messaging provided by HISPs leverages the DURSA trust framework.	2/19/2019	Direct – Direct Project Applicability Statement for Secure Transport v1.2	10/18/2016	http://wiki.directproject.org/File/view/Applicability%2BStatement%2Bfor%2BSecure%2BHealth%2BTransport%2Bv1.2.pdf	(Upcoming) APHL, NC HIE, UC Davis	eCR might also be deployed in the future using XDR using same specs as Walgreens immunization push

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Syndromic Surveillance

Use Case Highlights	Coordinating Committee Use Case Approval[1][2]	Performance & Service Specifications[3,4]	Coordinating Committee Performance & Service Specification Approval	Performance & Service Specification Location	Adoption	Notes
Push non-laboratory communicable diseases, etc to public health agencies according to Meaningful Use/MACRA requirements	10/18/2016	NIST Special Publication 800-171 Revision 1	8/13/2019	https://csrc.nist.gov/publications	Required by 1/1/2022	
Push non-laboratory communicable diseases, etc to public health agencies according to Meaningful Use/MACRA requirements	10/18/2016	HL7 V 2.5.1	10/18/2016	https://cdn.ymaws.com/www.healthsurveillance.org/resource/resmgr/docs/Group_Files/Message_Guide/IG_SyS_Release_1.pdf	None	
Push non-laboratory communicable diseases, etc to public health agencies according to Meaningful Use/MACRA requirements	10/18/2016	Direct – Direct Project Applicability Statement for Secure Transport v1.2	10/18/2016	http://wiki.directproject.org/File/view/Applicability%2BStatement%2Bfor%2BSecure%2BHealth%2BTransport%2Bv1.2.pdf	See Electronic Case Reporting (eCR) Use Case	See Electronic Case Reporting (eCR) Use Case

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Encounter Notifications

Use Case Highlights	Coordinating Committee Use Case Approval[1][2]	Performance & Service Specifications[3,4]	Coordinating Committee Performance & Service Specification Approval	Performance & Service Specification Location	Adoption	Notes
Pushes well-populated post-encounter CDAs to populate HIE longitudinal records & to fulfill other purposes, often after ED visits, inpatient discharges, & ambulatory encounters. This is also used by HIEs to marry unsolicited lab results to longitudinal records in the absence of HL7 v2 ORU order messages.	10/18/2016	NIST Special Publication 800-171 Revision 1	8/13/2019	https://csrc.nist.gov/publications	Required by 1/1/2022	
Pushes well-populated post-encounter CDAs to populate HIE longitudinal records & to fulfill other purposes, often after ED visits, inpatient discharges, & ambulatory encounters. This is also used by HIEs to marry unsolicited lab results to longitudinal records in the absence of HL7 v2 ORU order messages.	10/18/2016	HL7 V2 (content)	10/18/2016	https://www.hl7.org/implement/standards/product_brief.cfm?product_id=185	Ai & HIEs starting to push ADTs soon	
Pushes well-populated post-encounter CDAs to populate HIE longitudinal records & to fulfill other purposes, often after ED visits, inpatient discharges, & ambulatory encounters. This is also used by HIEs to marry unsolicited lab results to longitudinal records in the absence of HL7 v2 ORU order messages.	10/18/2016	Direct – Direct Project Applicability Statement for Secure Transport v1.2 & VPN	10/18/2016	https://www.hl7.org/implement/standards/product_brief.cfm?product_id=185	Ai & HIEs starting to push ADTs soon	The VPN specification was approved by the Coordinating Committee on 10/1/2016, and not limited for trial use, but needs to be revisited with additional community input once a real-world implementation is underway.
Pushes well-populated post-encounter CDAs to populate HIE longitudinal records & to fulfill other purposes, often after ED visits, inpatient discharges, & ambulatory encounters. This is also used by HIEs to marry unsolicited lab results to longitudinal records in the absence of HL7 v2 ORU order messages.	10/18/2016	Electronic Submission of Medical Documentation (esMD) XDR Production Specification v1.0. Note this use case does leverage the esMD technical specification to push CDAs (not X12 275 lists) even though the use case does not involve submitting data to payers for coverage consideration.	6/27/2011	https://ehealthexchange.org	Stanford to Manifest Medex	ITI-41

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Immunization Administration Push

Use Case Highlights	Coordinating Committee Use Case Approval[1][2]	Performance & Service Specifications[3,4]	Coordinating Committee Performance & Service Specification Approval	Performance & Service Specification Location	Adoption	Notes
Push CDAs to communicate immunizations administered	10/18/2016	NIST Special Publication 800-171 Revision 1	8/13/2019	https://csrc.nist.gov/publications	Required by 1/1/2022	
Push CDAs to communicate immunizations administered	10/18/2016	Consolidated CDA (Meaningful Use, Stage 3 – 2015 edition Standard – US Realm Version 2.1) & associated Companion Guides	1/10/2017	http://www.hl7.org/dstucomments/showdetail.cfm?dstuid=168	Walgreens Rx & VHA	Specification approved by Coordinating Committee as a Performance & Service Specification (not a lower level standard) via Validation Plan (e.g. Validation Plan v5)
Push CDAs to communicate immunizations administered	10/18/2016	Administrative Distribution Production Specification v2.0	6/27/2011	https://ehealthexchange.org	Walgreens Rx & VHA	
Push CDAs to communicate immunizations administered	10/18/2016	Document Submission Production Specification v2.0	6/27/2011	https://ehealthexchange.org	Walgreens Rx & VHA	
Push CDAs to communicate immunizations administered	10/18/2016	Document Submission Production Specification v2.0	6/27/2011	https://ehealthexchange.org	Walgreens Rx & VHA	
Push CDAs to communicate immunizations administered	10/18/2016	Electronic Submission of Medical Documentation (esMD) XDR Production Specification v1.0. Note this use case does leverage the esMD technical specification to push CDAs (not X12 275 lists) even though the use case does not involve submitting data to payers for coverage consideration.	6/27/2011	https://ehealthexchange.org	Walgreens Rx & VHA	ITI-41 Perhaps big opportunity to push to CDC & other HHS recipients.

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Electronic Service Endpoint Discovery

Use Case Highlights	Coordinating Committee Use Case Approval[1][2]	Performance & Service Specifications[3,4]	Coordinating Committee Performance & Service Specification Approval	Performance & Service Specification Location	Adoption	Notes
Allows Participants to query eHx directory.	11/18/2009	NIST Special Publication 800-171 Revision 1	8/13/2019	https://csrc.nist.gov/publications	Required by 1/1/2022	
Allows Participants to query eHx directory.	11/18/2009	Web Services Registry Web Service Interface Specification v 3.1	3/6/2012	https://ehealthexchange.org	Multiple	
Allows Participants to query eHx directory.	11/18/2009	Sequoia HL7 FHIR® Healthcare Directory, HL7 FHIR Standard for Trial Use (STU3)	10/18/2016	http://build.fhir.org	Multiple	

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Image Exchange

Use Case Highlights	Coordinating Committee Use Case Approval[1][2]	Performance & Service Specifications[3,4]	Coordinating Committee Performance & Service Specification Approval	Performance & Service Specification Location	Adoption	Notes
Query to retrieve a link to a full DICOM package, not a compressed image.	11/15/2016	Web Services Registry Web Service Interface Specification v 3.1	3/6/2012	https://ehealthexchange.org	None (VHA Interested)	
Query to retrieve a link to a full DICOM package, not a compressed image.	11/15/2016	Sequoia HL7 FHIR® Healthcare Directory, HL7 FHIR Standard for Trial Use (STU3)	10/18/2016	http://build.fhir.org	None (VHA Interested)	
Query to retrieve a link to a full DICOM package, not a compressed image.	11/15/2016	Messaging Platform v3.0 approved 6/27/2011 - Required	6/27/2011	https://ehealthexchange.org	None (VHA Interested)	
Query to retrieve a link to a full DICOM package, not a compressed image.	11/15/2016	Patient Discovery v2.0 - Required	6/27/2011	https://ehealthexchange.org	None (VHA Interested)	IHE ITI-55
Query to retrieve a link to a full DICOM package, not a compressed image.	11/15/2016	Query for Documents v3.0 - Required	6/27/2011	https://ehealthexchange.org	None (VHA Interested)	Leverages XCA-i
Query to retrieve a link to a full DICOM package, not a compressed image.	11/16/2016	Retrieve Documents v3.0 - Required	6/27/2011	https://ehealthexchange.org	None (VHA Interested)	Leverages XCA-i
Query to retrieve a link to a full DICOM package, not a compressed image.	11/15/2016	Authorization Framework v3.0 – Required	6/27/2011	https://ehealthexchange.org	None (VHA Interested)	
Query to retrieve a link to a full DICOM package, not a compressed image.	11/15/2016	NIST Special Publication 800-171 Revision 1	8/13/2019	https://csrc.nist.gov/publications	Required by 1/1/2022	
Query to retrieve a link to a full DICOM package, not a compressed image.	11/15/2016	DICOM	11/15/2016	https://www.dicomstandard.org/current/	None (VHA Interested)	

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Electronic Lab Reporting (in support of public health)

Use Case Highlights	Coordinating Committee Use Case Approval[1][2]	Performance & Service Specifications[3,4]	Coordinating Committee Performance & Service Specification Approval	Performance & Service Specification Location	Adoption	Notes
Push discrete lab results to public health agencies according to Meaningful Use/MACRA requirements.	10/18/2016	NIST Special Publication 800-171 Revision 1	8/13/2019	https://csrc.nist.gov/publications	Required by 1/1/2022	
Push discrete lab results to public health agencies according to Meaningful Use/MACRA requirements.	10/18/2016	HL7 V 2.5.1	10/18/2016	http://www.hl7.org/implement/standards/product_brief.cfm?product_id=98	None	
Push discrete lab results to public health agencies according to Meaningful Use/MACRA requirements.	10/18/2016	Direct Project Applicability Statement for Secure Transport v1.2 & VPN	10/18/2016	http://wiki.directproject.org/File/view/Applicability%2BStatement%2Bfor%2BSecure%2BHealth%2BTransport%2Bv1.2.pdf	None	

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Prescription Drug Monitoring Program (PDMP)

Use Case Highlights	Coordinating Committee Use Case Approval[1,2]	Performance & Service Specifications[3,4]	Coordinating Committee Performance & Service Specification Approval	Performance & Service Specification Location	Adoption	Notes
Query & retrieve medication lists, toxicology results, etc to marry state opioid repositories with EHRs.	10/18/2016	NIST Special Publication 800-171 Revision 1	8/13/2019	https://csrc.nist.gov/publications	Required by 1/1/2022	
Query & retrieve medication lists, toxicology results, etc to marry state opioid repositories with EHRs.	10/18/2016	NCPDP SCRIPT v 10.6 NIEM's PMIX HL7 v2 / CCDA Add NIST 800-171	10/18/2016	https://www.ncpdp.org/NCPDP/media/pdf/NCPDPEprescribing101.pdf	None	The PDMP specification was approved by the Coordinating Committee on 10/1/2016, and not limited for trial use, but needs to be revisited with additional community input once a real-world implementation is underway. Precise versions will be identified after pilot implementation.
Query & retrieve medication lists, toxicology results, etc to marry state opioid repositories with EHRs.	10/18/2016	NIEM's PMIX	10/18/2016	https://www.niem.gov/about-niem/success-stories/pilot-project-prescription-monitoring-information-exchange-pmix	None	The PDMP specification was approved by the Coordinating Committee on 10/1/2016, and not limited for trial use, but needs to be revisited with additional community input once a real-world implementation is underway. Precise versions will be identified After pilot implementation.
Query & retrieve medication lists, toxicology results, etc to marry state opioid repositories with EHRs.	10/18/2016	HL7 v2 / CCDA	10/18/2016	https://www.hl7.org/implement/standards/product_brief.cfm?product_id=185	None	The PDMP specification was approved by the Coordinating Committee on 10/1/2016, and not limited for trial use, but needs to be revisited with additional community input once a real-world implementation is underway. Precise versions will be identified after pilot implementation.

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esMD (Electronic Submission of Medical Documentation)

Use Case Highlights	Coordinating Committee Use Case Approval[1][2]	Performance & Service Specifications[3,4]	Coordinating Committee Performance & Service Specification Approval	Performance & Service Specification Location	Adoption	Notes
This use case (not necessarily the esMD technical specifications) is intended for providers to respond to separately-received requests to payers (typically Medicare MACs) to push data.	11/18/2009	CAQH CORE X12 Document Submission Service Interface Specification v1.0	3/6/20112	https://ehealthexchange.org	None	This where a provider PUSHES an X12 payload (a X12 275 list of patients & C62s) via a SOAP envelope.
This use case (not necessarily the esMD technical specifications) is intended for providers to respond to separately-received requests to payers (typically Medicare MACs) to push data.	11/18/2009	Electronic Submission of Medical Documentation (esMD) X12 Profile v1.0	3/6/20112	https://ehealthexchange.org	None	This where a provider PUSHES an X12 payload (a X12 275 list of patients & C62s) via a SOAP envelope.
This use case (not necessarily the esMD technical specifications) is intended for providers to respond to separately-received requests to payers (typically Medicare MACs) to push data.	11/15/2016	Messaging Platform v3.0 approved 6/27/2011 - Required	6/27/2011	https://ehealthexchange.org	None	
This use case (not necessarily the esMD technical specifications) is intended for providers to respond to separately-received requests to payers (typically Medicare MACs) to push data.	11/18/2009	Authorization Framework v3.0 – Required	6/27/2011	https://ehealthexchange.org	None	
This use case (not necessarily the esMD technical specifications) is intended for providers to respond to separately-received requests to payers (typically Medicare MACs) to push data.	11/18/2009	NIST Special Publication 800-171 Revision 1	8/13/2019	https://csrc.nist.gov/publications	Required by 1/1/2022	

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Endnotes

1. DURSA defines Use Case as "a particular activity involving Transacting Message Content using the Network in order to support a specific function or facilitate an identified outcome"

2. The Coordinating Committee evaluates requests for and approves new Use Cases according to DURSA section 4.03

3. Governed by DURSA section 10.03 and Operating Policy & Procedure #4, Performance and Service Specifications represent a collection of applicable specifications, testing requirements and operating policies and procedures for a given use case.

4. The General Performance and Service Specifications Addendum (approved 10/16/2016) "clarifies the added flexibility of permitting Participants to voluntarily adopt other standards and specifications for new use cases".

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