



第25回日本医療情報学会春季学術大会

第77回HL7セミナー

 HL7 FHIR Connectathon のご紹介

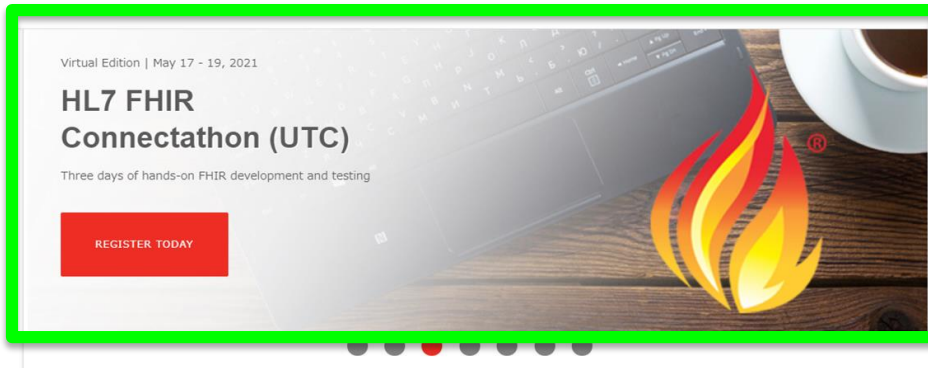
日本HL7協会 技術委員会副委員長

情報教育委員会委員長

檀原 一之

2021年06月10日

1. FHIR Connectathonとは
2. FHIR Connectathon申込方法
3. HL7 Pre Connectathon Survey
4. Patient Track



Virtual Edition | May 17 - 19, 2021

HL7 FHIR Connectathon (UTC)


Three days of hands-on FHIR development and testing

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HL7 Standards

What's now and next for interoperability

[V2](#) [CDA](#) [HL7 FHIR](#)



New to HL7?

Find resources for individuals looking to get involved or just starting out and needing an orientation to HL7.

[Why Get Involved?](#) [Orientation Station](#)

Upcoming Events

- April 26, 2021 - April 30, 2021
DevDays Education & HL7 FHIR Implementation Event
- May 17, 2021 - May 19, 2021
HL7 FHIR Connectathon (UTC)**
- May 2021 Working Group Meeting (UTC)
- June 7, 2021 - June 10, 2021
HL7® FHIR® DevDays (Eastern Time)
- September 13, 2021 - September 15, 2021
HL7 FHIR Connectathon (Eastern Time)**

Upcoming Training

- May 4, 2021 - May 6, 2021
Applied HL7 FHIR for Software Developers
- May 6, 2021 - May 6, 2021
HL7 V2 Advanced
- May 12, 2021 - May 13, 2021
Whirlwind Tour of FHIR Resources
- HL7 International May 27, 2021 - September 9, 2021
HL7 Fundamentals Course
- June 3, 2021 - July 15, 2021
HL7 FHIR Intermediate Course

About HL7 International

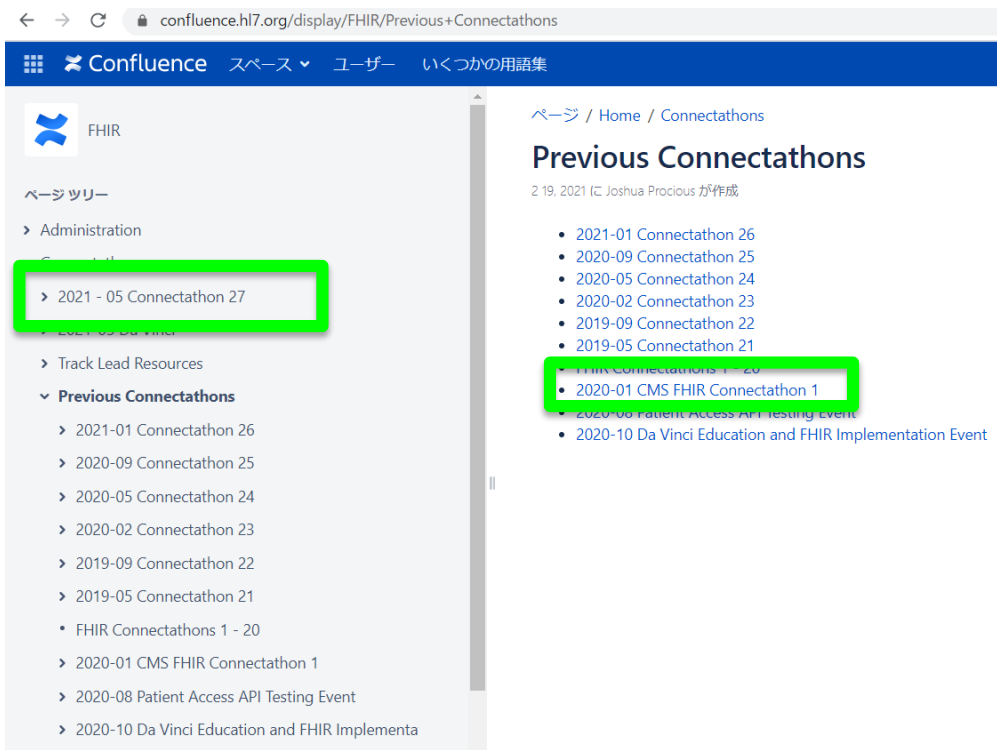
Founded in 1987, Health Level Seven International (HL7) is a not-for-profit, ANSI-accredited standards developing organization dedicated to providing a comprehensive framework and related standards for the exchange, integration, sharing and retrieval of electronic health information that supports clinical practice and the management, delivery and evaluation of health services.

[Read More >](#)

News & Announcements

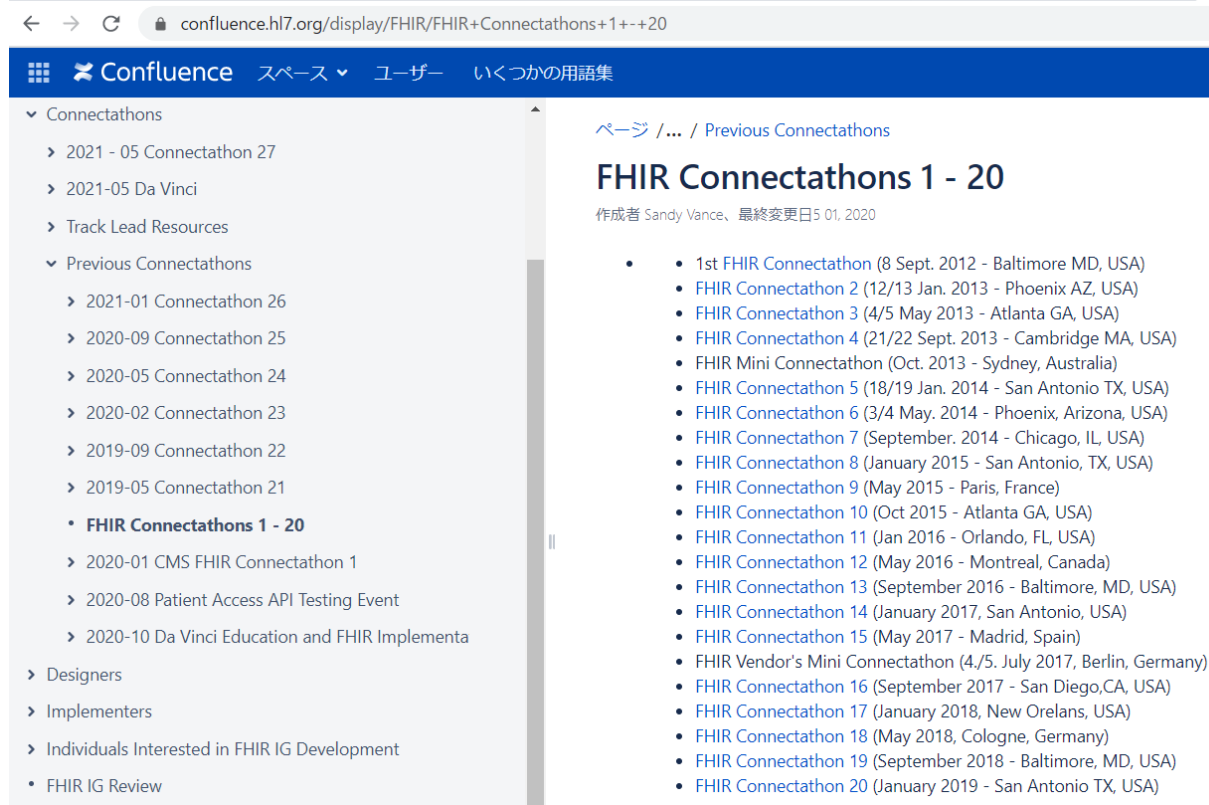
HL7 members receive discounted registration for HIMSS21! Register using code COLLAB21 to receive the discount.

- HL7 Internationalが主催
- 年3回（1月、5月、9月）開催されるイベント
- HL7 Working Group Meetingsの前に開催される
- face to faceのイベントであったが、2020年5月以降はvirtual



The screenshot shows a Confluence page with a sidebar on the left and a main content area on the right. The sidebar contains a navigation menu with the following items: Administration, 2021 - 05 Connectathon 27 (highlighted with a green box), Track Lead Resources, Previous Connectathons, 2021-01 Connectathon 26, 2020-09 Connectathon 25, 2020-05 Connectathon 24, 2020-02 Connectathon 23, 2019-09 Connectathon 22, 2019-05 Connectathon 21, FHIR Connectathons 1 - 20, 2020-01 CMS FHIR Connectathon 1, 2020-08 Patient Access API Testing Event, and 2020-10 Da Vinci Education and FHIR Implementa. The main content area is titled 'Previous Connectathons' and lists several events, including '2020-01 CMS FHIR Connectathon 1' (highlighted with a green box), '2020-08 Patient Access API Testing Event', and '2020-10 Da Vinci Education and FHIR Implementation Event'.

- 2021年5月で、27回目
- ナンバリングされたConnectathon以外に「CMS FHIR Connectathon」といった「CMS-9115-F」に関するConnectathonも開催
- 2020年5月に、CMS（Centers for Medicare & Medicaid Services）は、Interoperability and Patient Access final rule (CMS-9115-F)を発行
- APIをサポートするためのHL7 FHIR仕様。（患者が必要なときに最大限に活用できる方法で健康情報にアクセスできるようにする規則）



The screenshot shows a Confluence page with a left sidebar navigation menu and a main content area. The sidebar lists various connectathon events, with 'FHIR Connectathons 1 - 20' highlighted. The main content area displays a list of 20 connectathon events, each with a date and location.

Navigation: confluence.hl7.org/display/FHIR/FHIR+Connectathons+1+-+20

Confluence ナビゲーション: スペース ユーザー いくつかの用語集

Connectathons

- 2021 - 05 Connectathon 27
- 2021-05 Da Vinci
- Track Lead Resources
- Previous Connectathons
 - 2021-01 Connectathon 26
 - 2020-09 Connectathon 25
 - 2020-05 Connectathon 24
 - 2020-02 Connectathon 23
 - 2019-09 Connectathon 22
 - 2019-05 Connectathon 21
 - FHIR Connectathons 1 - 20**
 - 2020-01 CMS FHIR Connectathon 1
 - 2020-08 Patient Access API Testing Event
 - 2020-10 Da Vinci Education and FHIR Implementa
- Designers
- Implementers
- Individuals Interested in FHIR IG Development
- FHIR IG Review

ページ / ... / Previous Connectathons

FHIR Connectathons 1 - 20

作成者 Sandy Vance、最終変更日 5 01, 2020

- 1st FHIR Connectathon (8 Sept. 2012 - Baltimore MD, USA)
- FHIR Connectathon 2 (12/13 Jan. 2013 - Phoenix AZ, USA)
- FHIR Connectathon 3 (4/5 May 2013 - Atlanta GA, USA)
- FHIR Connectathon 4 (21/22 Sept. 2013 - Cambridge MA, USA)
- FHIR Mini Connectathon (Oct. 2013 - Sydney, Australia)
- FHIR Connectathon 5 (18/19 Jan. 2014 - San Antonio TX, USA)
- FHIR Connectathon 6 (3/4 May. 2014 - Phoenix, Arizona, USA)
- FHIR Connectathon 7 (September. 2014 - Chicago, IL, USA)
- FHIR Connectathon 8 (January 2015 - San Antonio, TX, USA)
- FHIR Connectathon 9 (May 2015 - Paris, France)
- FHIR Connectathon 10 (Oct 2015 - Atlanta GA, USA)
- FHIR Connectathon 11 (Jan 2016 - Orlando, FL, USA)
- FHIR Connectathon 12 (May 2016 - Montreal, Canada)
- FHIR Connectathon 13 (September 2016 - Baltimore, MD, USA)
- FHIR Connectathon 14 (January 2017, San Antonio, USA)
- FHIR Connectathon 15 (May 2017 - Madrid, Spain)
- FHIR Vendor's Mini Connectathon (4./5. July 2017, Berlin, Germany)
- FHIR Connectathon 16 (September 2017 - San Diego, CA, USA)
- FHIR Connectathon 17 (January 2018, New Orleans, USA)
- FHIR Connectathon 18 (May 2018, Cologne, Germany)
- FHIR Connectathon 19 (September 2018 - Baltimore, MD, USA)
- FHIR Connectathon 20 (January 2019 - San Antonio TX, USA)

- 1回目は、2012年9月に米国で開催
- 米国以外で、Mini Connectathonが開催されたこともある

Virtual Edition | May 17 - 19, 2021

HL7 FHIR Connectathon (UTC)

Three days of hands-on FHIR development and testing

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About HL7 International
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HL7 International

[ABOUT](#) [AGENDA](#) [REGISTER](#)

HL7 FHIR Connectathon (UTC)

May 17-19, 2021 • Virtual Event

[REGISTER NOW](#)

The HL7 FHIR Connectathon features hands-on FHIR development and testing. Implementers and developers can gain hands-on experience developing FHIR-based solutions by participating in one of many tracks. To learn more visit the [HL7 FHIR Connectathon 27 page](#).

If you or your organization are interested in participating in the Connectathon, please do the following:

- Read the [Connectathon version of the FHIR Specification](#) to become familiar with the concepts.
 - Read the Track descriptions found in the drop down list on the left under Tracks for Connectathon 27.
 - Complete the HL7 pre-Connectathon Survey for each member of your team to indicate their primary track.
-
- HL7 FHIR Connectathonでは、FHIRの開発とテストを体験することができる
 - 導入者や開発者は、多くのトラックのうちの1つに参加することで、FHIRベースのソリューションを実際に開発する経験を得ることができる

HL7 FHIR Connectathon 27 page

<https://confluence.hl7.org/display/FHIR/2021+-+05+Connectathon+27>

First-Time Attendees!

Attend the mandatory, free **Connectathon orientation on April 26 (2-5 pm ET)**. All first-time participants are automatically registered for the orientation (which is also open to all participants) with the following agenda:

2:00 pm - HL7 FHIR 101, Viet Nguyen

2:40 pm - How to Read an IG, Linda Michaelson

3:20 pm - US Core Profiles, Brett Marquard

4:00 pm - HL7 FHIR Testing, Tools & Heading to a Connectathon, Richard Ettema

If you have questions, please contact Sandy Vance at HL7Connectathon@hl7.org

- 初参加者向けの無料オリエンテーションが開催される
- 4月26日（米国東部時間午後2時～5時）
- 参加者240名程度

General Information

How Do I Register?

Register Online

Online registration is available until the end of the day (E.T) on Friday, April 30th. For your convenience, payment can be made via credit card directly on the website or print and mail the registration form with payment.

Early Bird Registration

Early Bird Registration is available through Friday, April 23, 2021.

Advance Registration/Payment

Advance registrations MUST include payment. Registrations received without payment will not be processed until the time that payment is received and will be charged the Standard Rate.

Cancellation/Refund Policy

For more information, please contact Mary Ann Boyle, Director of Meetings at: +1 (734) 677-7777 or maryann@HL7.org.

- 申込はオンラインで4/30までに
- 早期割引は4/23まで

Event Fees

Hurry! Early bird savings ends Friday, April 23, 2021.

EARLY BIRD MEMBER RATES

\$175

Member

REGISTER

EARLY BIRD NON-MEMBER RATES

\$275

Non-Member

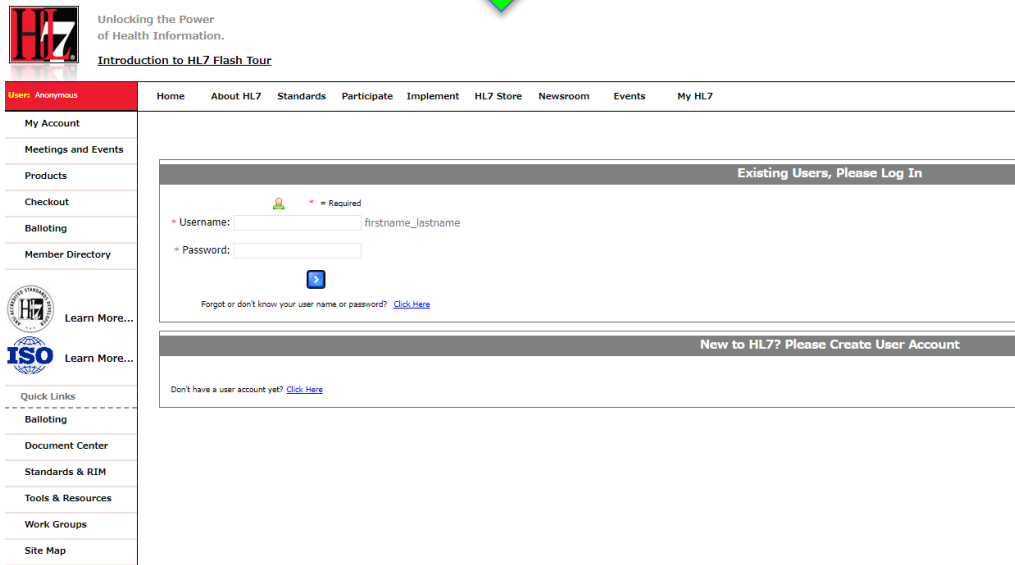
REGISTER

[Learn more](#) about becoming a member of HL7 International.



Registration Fees

	BY APRIL 23		AFTER APRIL 23	
	Member	Non-Member	Member	Non-Member
Monday - Friday	\$175 USD	\$275 USD	\$275 USD	\$400 USD

- 早期割引期間（会員 \$175、非会員 \$275）
- 4/23以降（会員 \$275、非会員 \$400）





The screenshot shows the HL7 website interface. The top navigation bar includes links for Home, About HL7, Standards, Participate, Implement, HL7 Store, Newsroom, Events, and My HL7. A left sidebar contains a "My Account" menu with options like Meetings and Events, Products, Checkout, Balloting, and Member Directory. Below the menu are logos for HL7 and ISO with "Learn More..." links, and a "Quick Links" section with links to Balloting, Document Center, Standards & RIM, Tools & Resources, Work Groups, and Site Map. The main content area is a login form titled "Existing Users, Please Log In" with fields for Username (placeholder: firstname_lastname) and Password, a login button, and a "Forgot or don't know your user name or password? [Click Here](#)" link. Below the login form is a section titled "New to HL7? Please Create User Account" with a link "Don't have a user account yet? [Click Here](#)".

User:	Home About HL7 Standards Participate Implement HL7 Store Newsroom Events My HL7
Log Out	
My Account	Welcome
Meetings and Events	Upcoming Meetings/Events
Products	20210101 EXM FHIR HL7 FHIR R4 Proficiency Exam January 01, 2021 to December 31, 2021 More Info / Register
Checkout	20210101 EXM VER2 HL7 V2.8 Certification Exam January 01, 2021 to December 31, 2021 More Info / Register
Balloting	20210101 EXM CDA HL7 CDA Certificate Exam January 01, 2021 to December 31, 2021 More Info / Register
Member Directory	20210101 EXM VER3 HL7 V3 RIM Certification January 01, 2021 to December 31, 2021 More Info / Register
 Learn More...	2021 April Da Vinci Education FHIR Implementation 2021 April Da Vinci Education & FHIR Implementation Event April 26, 2021 to April 30, 2021 More Info / Register
 Learn More...	20210504 WEB Applied FHIR for Software Developers May 04, 2021 to May 06, 2021 More Info / Register
Quick Links	20210512 WEB FHIR Whirlwind Tour of FHIR Resources May 12, 2021 to May 13, 2021 More Info / Register
Balloting	2021 May 17-19 HL7's Virtual FHIR Connectathon May 17, 2021 to May 19, 2021 More Info / Register
Document Center	2021 May 24-28 HL7's Virtual Working Group Meeting May 24, 2021 to May 28, 2021 More Info / Register
Standards & RIM	20210527 ELN FUND HL7 Fundamen 20210527 ELN FUND HL7 Fundamentals May 27, 2021 to August 19, 2021 More Info / Register
Tools & Resources	20210603 ELN FHIR HL7 FHIR Intermediate Course June 03, 2021 to July 15, 2021 More Info / Register
Work Groups	
Site Map	

User: Home About HL7 Standards Participate Implement HL7 Store Newsroom Events My HL7

Log Out
My Account
Meetings and Events
Products
Checkout
Balloting
Member Directory

 Learn More...
 Learn More...
Quick Links

Info

2021 May 17-19 HL7's Virtual FHIR Connectathon

- Start Date: May 17, 2021
- End Date: May 19, 2021

[Register Online Now!](#)

My Profile

[Click here](#) to update your profile.

Agenda

The following events are scheduled for this meeting.

Monday, 05/17/2021 Events:

09:00 AM - 05:00 PM:	Monday - Wednesday Registration
----------------------	---------------------------------

- User:
- Log Out
- My Account
- Meetings and Events
- Products
- Checkout
- Balloting
- Member Directory
-  Learn More...
-  Learn More...
- Quick Links
- Balloting
- Document Center
- Standards & RIM
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- Site Map

Home About HL7 Standards Participate Implement HL7 Store Newsroom Events My HL7

Meeting Survey Questions

I am a/an:

- Benefactor
- Member
- Full Time Student
- Non-Member

Please note that government employees must have a .gov or .mil address. Government discounts only apply for new registration.

How long a member of HL7?:

15-19 Years

Primary employment type*:

Vendor

I am a First Time Attendee:

Are you a Full Time Student?

Yes No

Attention employees of organizational members of HL7 International

You may qualify for member rates if you are employed by a company that is an Organizational Member of HL7. To receive this benefit, your user account must use the email domain of the Organizational Member you are employed with. If it does not currently, you can change this in your user profile.

-- Optionally Choose One --

Attention members of HL7 International Affiliates

You may qualify for member rates if you are a current member of an HL7 International Affiliate by passing through your Affiliate's website link to the HL7 International website.

HL7 Japan

Please provide any special instructions such as dietary requirements or special assistance needs below:

* Denotes a selection is required

Continue Registration

User: Home About HL7 Standards Participate Implement HL7 Store Newsroom Events My HL7

- Log Out
- My Account
- Meetings and Events
- Products
- Checkout
- Balloting
- Member Directory

Learn More...

Registration for
 You are registering for: **2021 May 17-19 HL7's Virtual FHIR Connectathon**

Here is a list of all events we are currently offering. Please select the events you plan to attend for the days you've chosen.

Events

Monday, 05/17/2021 Events:

09:00 AM - 05:00 PM:	<input checked="" type="checkbox"/>	Monday - Wednesday Registration	\$175.00
----------------------	-------------------------------------	---------------------------------	----------

Continue Registration

User: Home About HL7 Standards Participate Implement HL7 Store Newsroom Events My HL7

- Log Out
- My Account
- Meetings and Events
- Products
- Checkout
- Balloting
- Member Directory

Learn More...

Learn More...

Quick Links

- Balloting
- Document Center
- Standards & RIM
- Tools & Resources

Order Summary

Please review your order below. When you're ready, click the button to the right to continue with checkout.

Continue with Checkout

Description	Quantity	Unit Price	Total Price	
Registration for 2021 May 17-19 HL7's Virtual FHIR Kazuyuki Dambara Member - INDIVIDUAL Survey Answers: I am a Member Organizations: HL7 Japan First Time Attendee?: Yes			\$0.00	<input type="button" value="Edit"/> <input type="button" value="Remove"/>
Event Tickets-Monday - Wednesday Registration to 2021 May 17-19 HL7's Virtual FHIR for Registrant Kazuyuki Dambara	1		\$175.00	<input type="button" value="Edit"/>

Total Registration Event Fees: \$175.00
 Shipping/Postage: \$0.00
 Sales Tax: \$0.00
 Total: \$175.00
 Total Paid: \$0.00
Balance Due: \$175.00

Continue with Checkout

Connectathon参加者チェックリスト

1. 4月30日の締め切りまでに、Connectathonに登録してください。
2. Connectathon Track Listを確認し、Trackページで詳細を確認してください。
3. HL7 Pre Connectathon Surveyに記入し、参加したいTrackを指定してください。
4. 参加者Key Datesを確認し、すべてのConnectathon 27参加者インフォメーションセッションに出席または確認してください。
5. ConnectathonのFHIR仕様書とFHIRホームページを読み、理解してください。
6. 5月に開催されるTrack Kick Off Callに参加してください。

1. You are...

(This information is being collected only to contact you in relation to Connectathon and will not be used for any other purpose.)

Last Name

First Name

Company Name

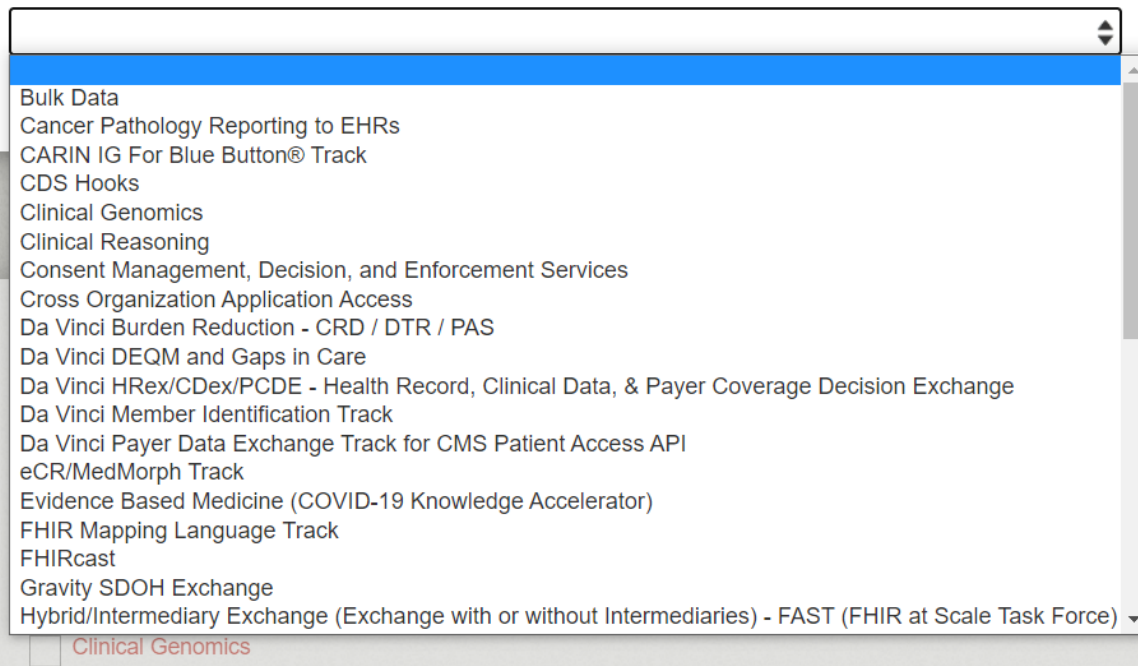
Email Address

Mobile Number

- 氏名、会社名、メールアドレス、携帯電話番号を入力

2. The FHIR Connectathon is divided into tracks. Each track has one or more specific exchange of data that is of interest to a community group. The participants will exchange data, discuss any issues that arise, and contribute to a summary report describing the outcomes. [Click this link](#) to review the track list in the Connectathon Track list on confluence.

Please select your PRIMARY TRACK below to indicate where you expect to spend the majority of your time:



Bulk Data
Cancer Pathology Reporting to EHRs
CARIN IG For Blue Button® Track
CDS Hooks
Clinical Genomics
Clinical Reasoning
Consent Management, Decision, and Enforcement Services
Cross Organization Application Access
Da Vinci Burden Reduction - CRD / DTR / PAS
Da Vinci DEQM and Gaps in Care
Da Vinci HReX/CDex/PCDE - Health Record, Clinical Data, & Payer Coverage Decision Exchange
Da Vinci Member Identification Track
Da Vinci Payer Data Exchange Track for CMS Patient Access API
eCR/MedMorph Track
Evidence Based Medicine (COVID-19 Knowledge Accelerator)
FHIR Mapping Language Track
FHIRcast
Gravity SDOH Exchange
Hybrid/Intermediary Exchange (Exchange with or without Intermediaries) - FAST (FHIR at Scale Task Force) ▾

Clinical Genomics

- FHIR Connectathonはtrackに分かれており、自分のPRIMARY TRACKを選択する

3. Please select any additional tracks that you intend to participate in during the connectathon:

- Bulk Data
- Cancer Pathology Reporting to EHRs
- CARIN IG For Blue Button® Track
- CDS Hooks
- Clinical Genomics
- Clinical Reasoning
- Consent Management, Decision, and Enforcement Services
- Cross Organization Application Access
- Da Vinci Burden Reduction - CRD / DTR / PAS
- Da Vinci DEQM and Gaps in Care
- Da Vinci HReX/CDex/PCDE - Health Record, Clinical Data, & Payer Coverage Decision Exchange
- Da Vinci Member Identification Track
- Da Vinci Payer Data Exchange Track for CMS Patient Access API
- eCR/MedMorph Track
- Evidence Based Medicine (COVID-19 Knowledge Accelerator)
- FHIR Mapping Language Track
- FHIRcast
- Gravity SDOH Exchange
- Hybrid/Intermediary Exchange (Exchange with or without Intermediaries) - FAST (FHIR at Scale Task Force)
- Integrated Trial Matching for Cancer Patients and Providers
- International Patient Summary (IPS)

- 追加で参加する予定のtrackがあれば選択する

- Gravity SDOH Exchange
- Hybrid/Intermediary Exchange (Exchange with or without Intermediaries) - FAST (FHIR at Scale Task Force)
- Integrated Trial Matching for Cancer Patients and Providers
- International Patient Summary (IPS)
- Isolation Point-of-Care using Gemini Device Interoperability
- Logica COVID-19 FHIR Profile Library IG
- National Directory US Realm (ONC FHIR at Scale Taskforce - FAST)
- Ophthalmology track connectathon 27
- PACIO Advance Directive Interoperability
- Patient Empowerment: Patient Request for Corrections
- Patient Track
- Public Health -- Situation Awareness for Novel Epidemic Response Track
- Questionnaire
- SMART App Launch v2
- SMART Health Cards for Vaccination and Testing
- SMART Web Messaging Connectathon Track
- Subscriptions
- Terminology Services
- TestScript and FHIR Testing
- Vulcan - Medication Definition
- Vulcan - Phenopackets mapped to EHR
- Vulcan - Real World Data (RWD) Submission to FDA
- Vulcan - Schedule of Activities

- 選択できるtrack数に制限はない。1..*のtrackに参加可能

- ビギナーは、PRIMARY TRACK 1つだけ選択することをおすすめ
 - 注意力が分散しない
 - セッションに参加している人たちと、より交流できる
 - プロトタイプをより完成させることができる
- Patient Track
 - 知識が少なくても、FHIRにあまり触れたことがない人でも対応できるような簡単なシナリオを使う
 - 初めて参加する人にFHIRを親しみやすく紹介

4. IF you are participating in the Clinical Reasoning Track, please select the Clinical Reasoning Breakout Sessions you would like to see offered.

If you are NOT participating in Clinical Reasoning, skip this question.

- | | |
|---|--|
| <input type="checkbox"/> Authoring/Measure Review | <input type="checkbox"/> eCQM Terminology and VSAC/FHIR Interactions |
| <input type="checkbox"/> Composite Measures in FHIR | <input type="checkbox"/> Measure Conversion from QDM to FHIR |
| <input type="checkbox"/> Clinical Reasoning Testing Setup | <input type="checkbox"/> Measure Repository |
| <input type="checkbox"/> Data Element Submission/Exchange | <input type="checkbox"/> NCQA/HEDIS Implementer Testing |
| <input type="checkbox"/> Da Vinci DEQM Gaps in Care Testing | <input type="checkbox"/> NCQA CQL Implementation Challenges - Consumer Perspective |
| <input type="checkbox"/> Da Vinci Gaps in Care Member Attribution | <input type="checkbox"/> NCQA Review of Breast Cancer Screening Measure |
| <input type="checkbox"/> Da Vinci DEQM Gaps in Care DetectedIssue | <input type="checkbox"/> Quality Measurement and Reporting w/FHIR and CQL |
| <input type="checkbox"/> Other (please specify) | |

- Clinical Reasoning Trackに参加する場合は、Breakout Sessions を選択する

5. Are you a clinician?

No

Yes, and my area of expertise is... (ie: pediatrics, emergency medicine, critical care, etc)

6. How did you first hear about the HL7 FHIR Connectathon?

Zulip (Chat.FHIR.org)

Internet Advertisement

Prior HL7 Event (Webinar, Dev Days, etc)

HL7 Website

Word of Mouth / Colleague

Other (please specify)

- 追加でいくつかの質問に回答する

* 7. What do you hope to get from the Connectathon?

e.g. "connect with people working in a similar domain", "check that FHIR specification meets my system needs", or "learn what I need to change in my system to conform to the specification"

Goal

8. Are there particular skills that you will bring that will help improve the FHIR specification?

e.g. "expertise or experience in X", "clarification in use cases", "evangelism to other developers"

Contribution

9. How would you describe your experience with HL7 FHIR?

- This will be my first exposure to FHIR
- I've read up on it, but I'm still new.
- Reasonably familiar / intermediate.
- I believe I know enough to pass a certification exam.

- 追加でいくつかの質問に回答する
- 7.の「Connectathonから何を得たいですか？」の質問は回答必須

10. How will you be participating in the upcoming HL7 FHIR Connectathon?

- Observation - I'm using this experience to learn more about FHIR.
- I'll be using manual testing tools.
- I'll be customising my existing health application server.
- I'll be writing a specific application or server that I intend to take to market.
- Other (please specify)
- I'll be hacking on a test / demo application server.
- I'll be working on an open source tool I make available to support the FHIR Community.
- I don't know yet.

11. Have you had previous interactions with the FHIR community? Select all that apply. (OK to leave blank if none apply.)

- chat.fhir.org
- HL7 list serve
- work group calls
- community.fhir.org
- HL7 Member
- FHIR Foundation Member
- Previous HL7 meeting attendee
- Specification or Implementation guide editor
- I'm new here and this will be my first interaction with the FHIR Community!

- 追加でいくつかの質問に回答する

12. What concerns do you have about your readiness to participate in the HL7 FHIR Connectathon?

e.g. "I've never used FHIR", "Not sure what I will be doing.", "not that technical"

13. Anything you would like to add?

- 追加でいくつかの質問に回答する

Thank you for taking the time to complete this survey!

All Connectathon information can be found on the [Connectathon 27 Confluence Page](#). Bookmark it now as you will surely be visiting that page often!

There will be a 90 minute Connectathon Information Session on May 3 at 4:00 PM ET.

Track kick off calls will take place between May 4 and May 14 to introduce you to your scenarios and find test partners. You can find a full schedule of those calls in whova. Whova access will be sent out Monday May 3.

If you have never attended a Connectathon before, please be sure to review the Newcomer Orientation Video found at the top of the Connectathon 27 Confluence Page.

- 5月4日から5月14日の間には、シナリオの紹介やテストパートナーを見つけるためのTrack kick off callが行われる
- callのスケジュールはWhovaで確認できる
- Connectathonに参加したことがない方は、Connectathon 27 Confluence ページの上部にある「Newcomer Orientation Video」を必ずご覧ください

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2021 - 05 Connectathon 27

Joshua Procius が作成し、5 20, 2021 に Sandy Vance が最終更新

Virtual HL7 FHIR CONNECTATHON 27

Access Connectathon 27 Recordings on Whova [Here](#).

Newcomer Orientation - Recording [here!](#)

Take the Feedback Survey [Here!](#)

Event contact: Sandy Vance

Reach Sandy at +1.614.273.5916 or HL7Connectathon@hl7.org

HL7 Fast Healthcare Interoperability Resources (FHIR®) Connectathons feature hands-on FHIR development and testing. Implementers and developers come together to hold technical discussions that advance the FHIR specification, develop FHIR-based solutions, and exchange data with other FHIR interfaces. Connectathons are a great opportunity to work directly with FHIR developers and senior members of the FHIR standards development team.

Quick Links:

[Connectathon FAQ](#)

[Connectathon Registration](#)

[Connectathon 27 Tracks at a Glance](#)

[Con Man App](#)

[FHIR Community Chat](#)

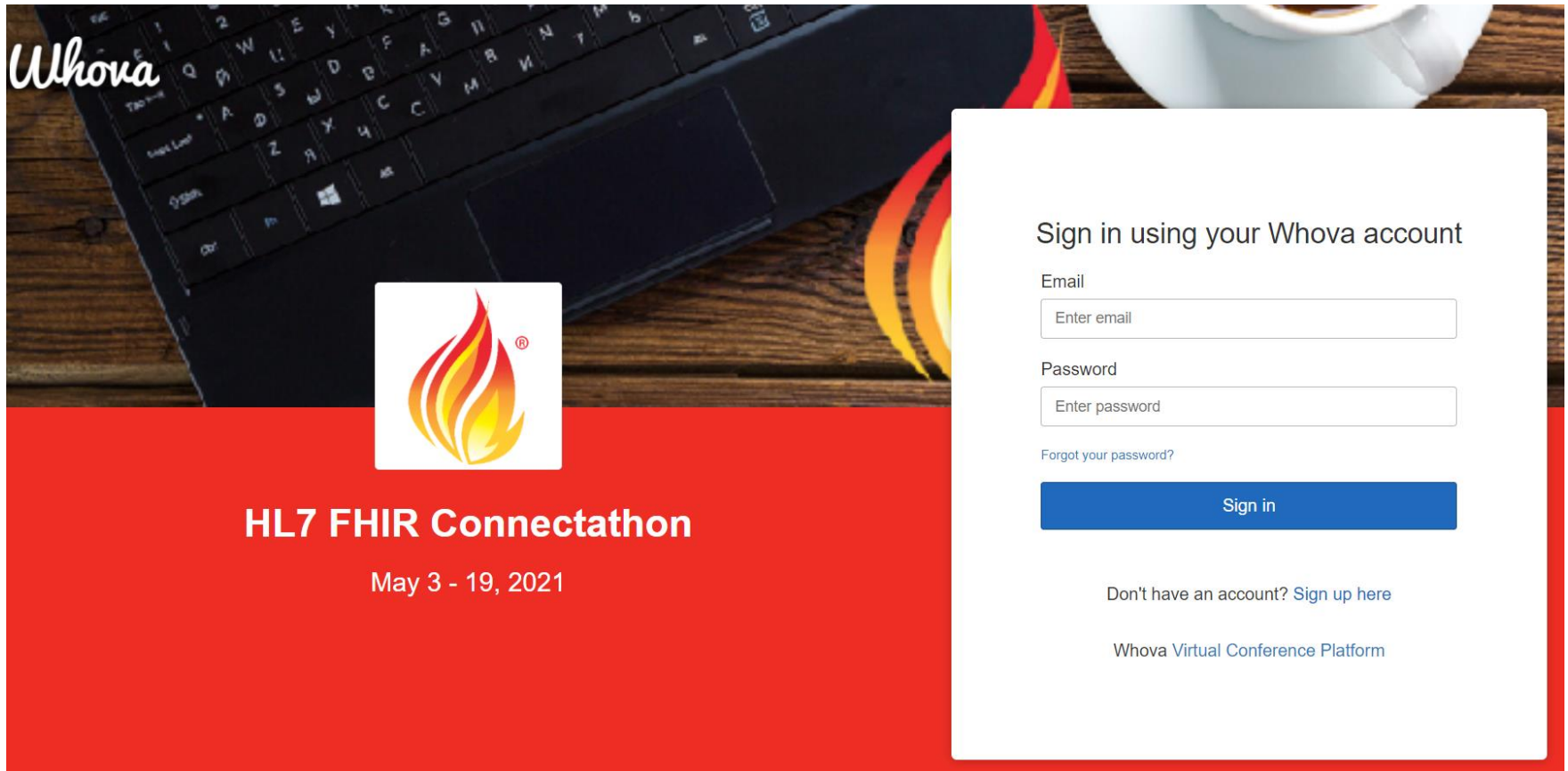
[FHIR Overview](#)

[FHIR Specification](#)


[HL7 Slide Template](#)

[Pre Connectathon Survey](#)

- 「Whova」「Newcomer Orientation Video」へのリンク



Whova



HL7 FHIR Connectathon
May 3 - 19, 2021

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- Whova サインインページ

- Patient Trackで
 - FHIR Resourceがどのように構築されているか
 - FHIR Serverに
 - ✓ FHIR Resourceを作成する方法
 - ✓ FHIR Resourceを更新する方法
 - ✓ FHIR Resourceのversion historyを確認する方法
 - ✓ FHIR Resourceを検索する方法
 - ✓ FHIR Resourceを削除する方法
- について学ぶことができる

- 事前の経験は必要なし
- 開発ツールやプログラミングツールを使用しなくても参加できる
- Trackごとにリーダー
- 不明点があれば、リーダーに相談することができる
- 何かツールを持参すると、特定の役割を頼まれる可能性あり
- アクタは、FHIR Client、FHIR Server

テストシナリオ Level 1
Public Test Serversを使用する

1. Register a new patient (新規患者の登録)

前提条件：FHIR Serverに患者が存在していないこと
FHIR Clientは新しい患者を作成し、FHIR Serverに保存する。
FHIR Serverに患者が正しく作成されていることをブラウザを使ってテストする。
ボーナスポイント：Patientリソースにextensionがある。

2. Update a patient (患者のアップデート)

FHIR Clientはシナリオ#1で作成した患者を更新し、FHIR Serverに更新する。
FHIR Serverで患者が更新されたことをブラウザを使って確認する
ボーナスポイント #1: extensionを持つ患者を更新するが、extensionはそのまま何も
しない。
ボーナスポイント #2: extensionを持つ患者を更新し、extensionも更新する。

3. Retrieve Patient history (患者履歴の取得)

前提条件：少なくとも1回の更新がある患者がいること。

FHIR ClientがFHIR Serverを検索し、患者の履歴を取得する。

ブラウザを使ってFHIR Serverに問い合わせ、患者の履歴がUIに表示される。

ボーナスポイント：UIで、ユーザーが患者の以前のバージョンを表示できる。

4. Search for a patient on name (名前で患者を検索する)

前提条件：その名前の患者が作成されていること。

FHIR ClientがFHIR Serverを検索し、指定された名前の患者をサーチする。

ブラウザのクエリを使って、UIに患者が表示されている。

5. Delete a patient (患者の削除)

前提条件：そのIdを持つPatientsが作成されていること

FHIR Clientは、指定されたIdを持つ患者を削除する。

その後の患者の問い合わせ(名前で検索してもIDで検索しても)は失敗すること。

テストシナリオ Level 2

1. Patient Registration/Creation (患者登録/作成)

FHIR Server

前提条件：TestScript は、患者が存在する場合、まずその患者を削除する。

操作：テストツールを使用して、FHIR Serverに新しい患者を作成する。

合格基準：テストツールは、

- A) 返されたHTTPステータスが201(Created)であること。
- B) 返されたフォーマットが送信されたフォーマットと一致すること。
- C) 患者が検索でき、HTTPステータス200(OK)が返されること。
- D) 検索された患者のフォーマットが送信されたフォーマットと一致すること。
- E) 基本的なFHIR患者プロフィールに適合することなど、すべてのアサーションおよびバリデーションに合格すること。

テストシナリオ Level 2

1. Patient Registration/Creation (患者登録/作成)

FHIR Client

前提条件：操作前にFHIR Serverに患者が存在していないこと

操作：FHIR Clientは新しい患者を作成し、FHIR Serverに保存する。トランザクションが正しく処理されているかどうかを検証するために、テストツールをプロキシとして使用する。

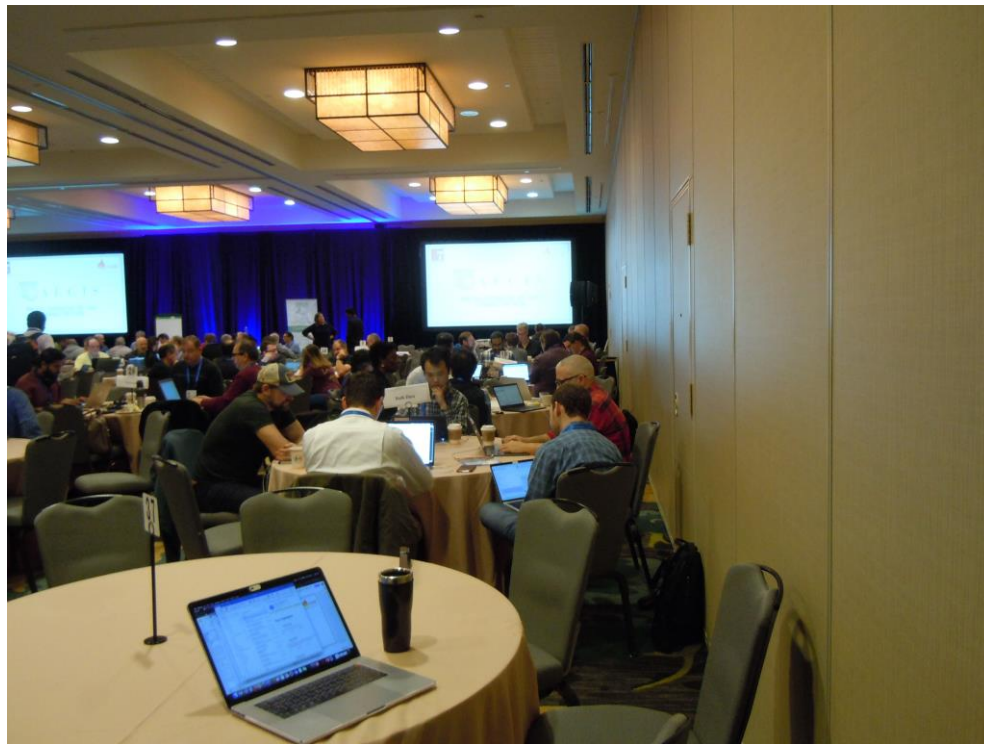
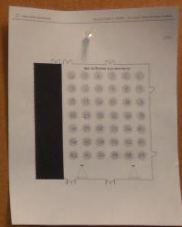
合格基準：テストツールは、

- A) HTTPメソッドがPUTであること。
- B) URLにPatientリソースへの完全なURLが含まれていること。
- C) HTTP Header Acceptに正しい値が含まれていること。
- D) HTTP Header Content-Typeに正しい値が含まれていること。
- E) 要求されたリソースタイプがPatientであること。
- F) FHIR ServerからのHTTPレスポンスが有効であることなど、すべてのアサーションおよびバリデーションに合格すること。

テストシナリオ Level 2

2. Patient Modification/Update (患者の変更/更新)
3. Patient Read (患者の読み込み)
4. Patient History (患者履歴)
5. Patient Version Read (患者バージョンの読み込み)
6. Patient Searching via Multiple Criteria
(複数条件による患者検索)
7. Patient Deletion/Removal (患者の削除/除去)
98. All Non-Versioning Patient Operations Defined Above
(上記で定義されたバージョン管理を行わない全ての患者操作)
99. All Patient Operations Defined Above
(上記で定義された全ての患者の操作)

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ご静聴ありがとうございました