

The Future of FHIR: R4B and R5

Lloyd McKenzie - Accenture



HL7 FHIR DevDays International 2022 | Hybrid Edition, Cleveland, OH | June 6–9, 2022 | @HL7 | @FirelyTeam | #fhirdevdays | www.devdays.com

ORGANIZED BY

firely

HL7[®]
International

Who am I?

- Lloyd McKenzie
- Management Consulting Principal
Director – Healthcare Standards
Accenture
- Co-chair FHIR Infrastructure,
FHIR Management Group
- HL7 Standards Geek



Outline

- What's changed (and not) in R4B
- What's coming in R5 (and when)
- What happens after that?

R4B (4.3.0) – new current release

- Technical corrections for R4
 - Fixed issues with computable source files
 - Fixed broken invariants
 - For ‘most’ implementers, R4B should be treated as a corrected R4
- SubscriptionTopic & SubscriptionStatus
- Evidence-based Medicine resources
- Revamp of ‘Medication Definition’ resources

R5 timeline

- Ballot will open mid-Sept. 2022
- Publication Q1/Q2 2023
- NO new normative content
- All changes subject to ballot review & reconciliation

R5 – resource-level changes

- New Resources
 - **General:** ConditionDefinition, DeviceDispense, ImagingSelection, NutritionProduct, Permission, Transport
 - **EBM:** ArtifactAssessment, ResearchDefinition, ResearchElementDefinition
 - **Medication Definition:** SubstanceNucleicAcid, SubstancePolymer, SubstanceProtein, SubstanceReferenceInformation, SubstanceSourceMaterial
- Renamed resources
 - DeviceUseStatement->DeviceUsage
 - MedicationStatement->MedicationUsage
- Removed resources
 - Media (DocumentReference), VisionPrescription (DeviceRequest)

Other changes

- Lots
- Breaking changes
 - None to existing normative content**
 - Possible elsewhere
- New elements, operations, codes, etc.
- Renamed and refactored elements
- Improved documentation and examples
- Increases to resource maturity

How to see what's changing

- <http://build.fhir.org>
- <http://jira.hl7.org>
- HTML page compare in the ballot
- Transformations in the final publication

R6

- Earliest start to ballot process would be Sept. 2024
- Earliest publication mid-late 2025
- Will (hopefully) take many key resources normative

R7+

- In theory, new releases every ~2 years becomes more realistic as more content is stable
- Once most content is normative, releases could even be more frequent

Contact

- During DevDays, you can find / reach me here:
 - Via Whova App – Speaker’s Gallery
 - PM (or better yet, public question) on <http://chat.fhir.org>
 - lloyd.mckenzie@accenture.com

Q&A



ORGANIZED BY

