



Enabling the  
information society

# Fast Healthcare Interoperability: What you need to know about how HL7® FHIR® is changing the game



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## Workshop – groups asked to prioritise

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1. Where does FHIR offer the greatest benefit?
2. What are the obstacles to implementing FHIR?
3. What quality assurance is needed for UK profiles?
4. How will implementers cope with an iterating “standard”?
5. What guidance is needed for system procurements?
6. What gaps exist in the FHIR specification?
7. What scenarios/use cases would be useful for hack days?
8. How can HL7 UK, PRSB, INTEROpen and NHS Digital help FHIR strategists and implementers?

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# Workshop feedback

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## 1. Where does FHIR offer the greatest benefit?

- Lower TCO
- Basis of ecosystem
- Change culture – collaboration – clinician/IT – see why important
- Supplier engagement

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# Workshop feedback

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## 2. What are the obstacles to implementing FHIR?

- Authorization, access control, consent
- Write harder than read
- Semantics/human interop => Information Governance
- Data sharing agreements/Caldicott/patient control
- Level of granularity
- Version and release management
- Conformance
- Support costs
- Resources not tied to use cases (e.g. ward rounds)
- Too open/flexible => profiles
- Hard to feedback into community, need repository
- Analysis paralysis

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# Workshop feedback

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## 2. What are the obstacles to implementing FHIR?

- Risk of poorly documented so hard to learn/comment/maintain
- Supplier incentives lacking (no penalties)
- Risks and lack of knowledge
- No single ownership
- Patient consent
- Business case
- Data sharing/exchange
- Lack of versioning
- Who polices?
- Co-exist multiple versions?
- Regional proliferation (like v2)
- NHS security/ID

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# Workshop feedback

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## 4. How will implementers cope with an iterating “standard”?

- Conformance → procurement
- Best practice procurement
- Lifecycle support – gradual refinement
- Map interface → EHR internals

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# Workshop feedback

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## 8. How can HL7 UK, PRSB, INTEROpen and NHS Digital help FHIR strategists and implementers?

- Best practice guide
- Catalogue of FHIR uses (like Interop handbook)
- Registry of concepts (independent of resource definitions)
- Supplier engagement
- Pro forma for bits of FHIR
- Resource “map”

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## Key points

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- Numerous barriers to overcome!
- Co-design FHIR ecosystem (regional and national)
- Collaborate via CCIO/CIO networks
- User 'registry' mapping Resources to clinical scenarios
- Co-design UK FHIR profiles
- Easy access 'Start Here' training materials
- Procurement guidance
- Best practice guidance





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## Next event

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- Planning UK 'clinical FHIR connectathon' with realtime links (video, voice, chat) to next HL7 International working group meeting in San Antonio – **20 Jan 2017** (Friday pm ☹)

