# Intros, Objectives, level-setting - 30

# Introduction to FHIR 9:00-10:30

## What are the pain-points of healthcare interoperability? (discussion) - 20

## FHIR Manifesto - 10

## Interoperability Paradigms - 5

## Relationship to other HL7 standards - 15

## Reading the spec - 10

## Exercise: Find resources to solve problem X 30

# Drilling down into Resources 10:45-12:30

## Structure of a resource (3 parts) 20

## Data types 20

## Vocabulary 10

## Wire syntax 10

## Exercise: Craft a simple resource instance 40

# RESTful FHIR 1:30-3:15

## REST principles 20

## RESTful operations 30

## FHIR identifiers and ids 10

## Exercise: Create, Update, Delete and retrieve history on a resource

# Searching with FHIR 3:30-4:40

## Search parameters 15

## Chaining 10

## \_include 10

## Paging 5

## Partitions

## Summary

## Validation

## Query interoperability

## Exercise: Perform FHIR searches: 30

# Review/discussion 4:40-5:00

# Review/discussion 8:00-8:20

# Messages & Documents in FHIR 8:20-10:00

## Atom feeds 15

## Messages 20

## Documents 20

## Exercise: Create a simple FHIR document: 45

# Advanced FHIR and architectural approaches 10:15-12:00

## Contained resources 10

## Order/OrderResponse 10

## Query 10

## OperationOutcome 10

## Constraints 5

## Implementation architecture approaches 30

## Q&A 20

# Profiles & Conformance 1:00-2:30

## Profile 20

## Profile editor 15

## Conformance 10

## Exercise: Create a FHIR Profile 45

# Implementing FHIR 2:45-4:45

## Implementation resources 15

## Exercise: Build a simple FHIR client (using libraries): 90

# Next steps 4:45-5:00

## Further information & Implementer support