

VIENNA  2025 JUNE 23/27
IHE  CONNECTATHON 
EUROPE



Introducing the Plugathon for openEHR: An Educational Journey to Test and Connect Health Data Across Europe

IHE  PLUGATHON

23/27
JUNE 2025
VIENNA 

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- Please keep your microphone **muted**
- **Questions during the session?** Please use the chat box. We will address the questions in the second part of the webinar
- Slides will be **available on IHE Connectathon webpage**
- After the webinar, you can find the recording in IHE Europe YouTube channel



Agenda



17:00 – 17:05

Welcome

Nicole Veggiotti

17:05 – 17:10

The case of an IHE Plugathon with openEHR

Lapo Bertini

17:10 – 17:15

Introduction to openEHR

Rachel Dunscombe

17:15 – 17:25

Plugathon openEHR track agenda

Rachel Dunscombe, Lapo Bertini

17:25 – 17:30

Q&A

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Lapo Bertini
presents
**The case of an IHE Plugathon with
openEHR**



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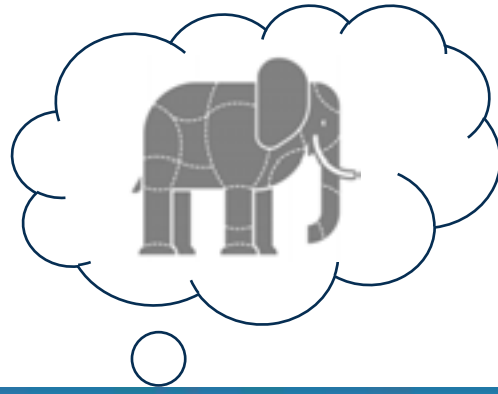
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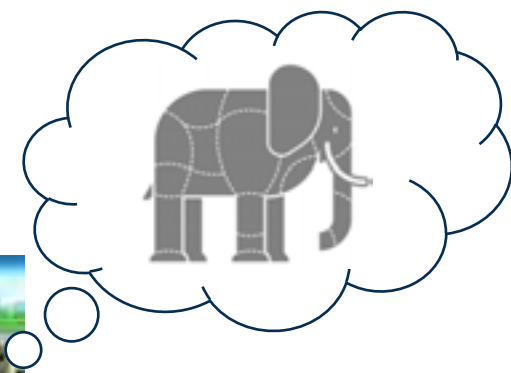


Rachel Dunscombe
presents
Introduction to openEHR





openEHR infostructure



Data
dictionary



*International/
National resource*

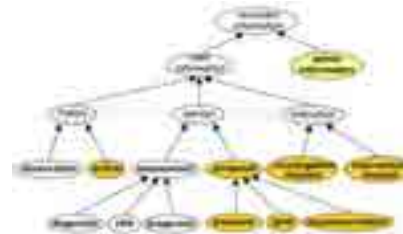
Templates



Datasets

- *Clinical Documents*
- *Messages*
- *Forms*
- *Minimum data sets*

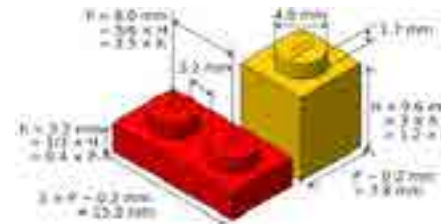
Archetypes



'Little data' patterns

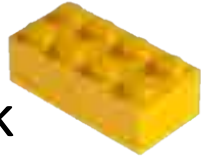
- *Standardised*
- *'Fit for use'*
- *Centrally governed*

Reference
Model

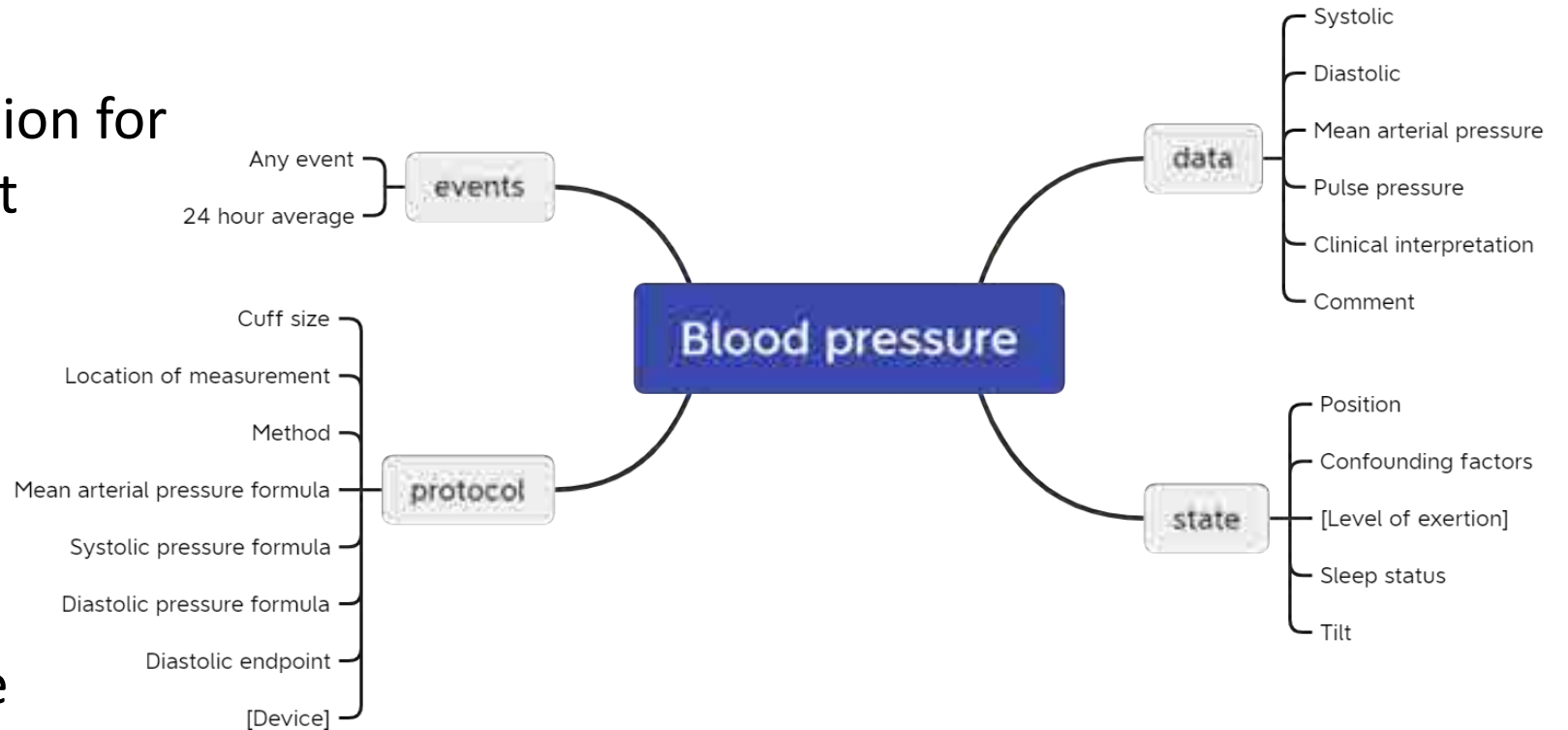


Technical rules

Archetype



- Building block
- Computable specification for a single clinical concept
 - Blood pressure
 - Medication order
 - Symptom
 - Diagnosis
 - Family History
- ~~Maximal~~Inclusive
- Universal use-case
- Design once, for re-use
- Governance is critical



Archetype



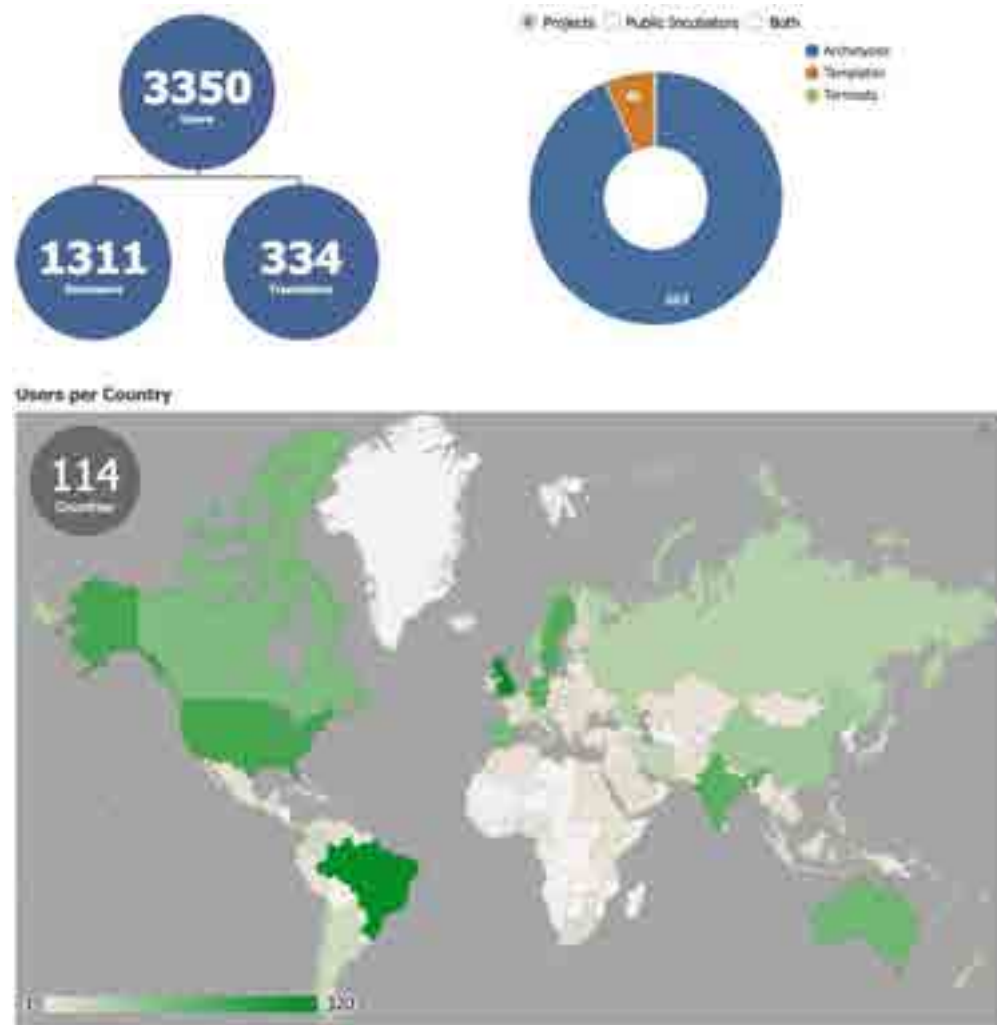
- Building block
- Computable specification for a single clinical concept
 - Blood pressure
 - Medication order
 - Symptom
 - Diagnosis
 - Family History
- **Maximal data set**
- **Universal use-case**
- Design once, for re-use
- Governance is critical

Template



- Data set; multiple archetypes
- Computable specification for a specific clinical purpose e.g.
 - Consultation note
 - Discharge summary
 - Referral
 - Death certificate
 - Ultrasound report
- Flexible ☐ clinical diversity
- Constrain ☐ represent the specific use-case
- 1- ∞ archetypes per template
- Governance NOT critical

Our Members



openEHR NL	openEHR UK	openEHR JP
openEHR CN	openEHR Ireland	openEHR DE
openEHR SE	openEHR IT	openEHR ES
openEHR BR	openEHR Norway	openEHR Poland
openEHR CH	openEHR GCC	openEHR Portugal
	openEHR Life Sciences	

Standards



- We are members of the Joint Initiative Council
- We are liaisons to CEN TC 251
- We are liaisons to ISO 215
- We have a partnership agreement with SNOMED
- We are collaborating with HL7 to make openEHR and FHIR more complementary
- We hold the trademark in US, Europe and Australia for openEHR
- We are excited to explore our relationship with IHE.



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**Rachel Dunscombe
and Lapo Bertini**

present

Plugathon openEHR track agenda



Monday, 23rd June 15:00	
Part 1: Welcome	
15.00	
<p>Welcome, Introductions & Workshop Aims (5 mins)</p> <ul style="list-style-type: none"> - Brief welcome from Prof. Dunscombe and IHE Representative. <p>The Strategic Imperative: Collaboration (10 mins)</p> <ul style="list-style-type: none"> - openEHR & HL7 (FHIR, etc.): Current synergies and collaborative work. - openEHR & SNOMED International: Progress in terminology binding and tooling. (Prof. Dunscombe). 	Rachel Dunscombe Lapo Bertini
<p>Core Concepts Overview (15 mins)</p> <ul style="list-style-type: none"> - openEHR: Principles, multi-level modelling, persistent clinical data repositories, archetypes & templates (Prof. Dunscombe - 7 mins). - IHE: Framework, Integration Profiles (Actors & Transactions), Connectathon process, value proposition for interoperability (IHE Rep - 8 mins). 	Rachel Dunscombe Lapo Bertini

Part 2. openEHR & IHE Profiles – A Symbiotic Relationship

Part 2: openEHR & IHE Profiles – A Symbiotic Relationship (45 mins)	
15:30	
<p>Understanding the Interplay: How openEHR and IHE Profiles Connect (15 mins) (Joint Presentation/Discussion)</p> <ul style="list-style-type: none"> - openEHR: Providing the detailed, computable clinical data models and persistent data. - IHE Profiles: Orchestrating the secure and standardized exchange of this data between systems. - Illustrative examples: <ul style="list-style-type: none"> • How openEHR archetypes/templates define the rich payload for IHE transactions (e.g., content of an XDS document, data elements in an MHD transaction). • Using IHE profiles (e.g., PIX/PDQ, ATNA) to support and secure openEHR-based solutions. 	<p>Rachel Dunscombe Daniel Berezeanu</p>
15:45 - 16:15 Coffee break	
16:15	
<p>Interactive Discussion: Exploring Key Profile Alignments (30 mins) (Facilitated by both)</p> <ul style="list-style-type: none"> - Identifying 2-3 high-impact IHE profile families (e.g., Document Sharing (XDS/MHD), Patient Identity (PIX/PDQ), Workflow, Mobile/Cross-Enterprise Access) for deeper exploration. - Brainstorming: How can openEHR best leverage these profiles? How can rich openEHR data enhance the utility of these IHE transactions? What are the community needs? 	<p>Rachel Dunscombe Daniel Berezeanu</p>
16:45 Closing of the first day	

Part 3. Use Case Deep Dive – The International Patient Summary (IPS)

Tuesday, 24th May 10:00	
10:00 - 10:45 VIP Tour	
Part 3: Use Case Deep Dive – The International Patient Summary (IPS) (30 mins)	
10:45	
IPS Overview: Purpose, Content, and IHE's Role in its Exchange (10 mins) (Led by IHE Rep) Alexander <ul style="list-style-type: none"> - Recap of IPS, its global significance. - IHE profiles enabling IPS sharing (e.g., IPS Profile based on MHD/XDS). 	Alexander Berler
openEHR's Contribution to Generating & Consuming High-Quality IPS (10 mins) (Led by Prof. Dunscombe) <ul style="list-style-type: none"> - Demonstrating how openEHR's detailed clinical models (archetypes/templates for conditions, medications, allergies etc.) provide a robust foundation for creating comprehensive and computable IPS content. 	Rachel Dunscombe
Discussion: A Joint openEHR/IHE Approach for Robust IPS Solutions (10 mins) Alexander/Claudio <ul style="list-style-type: none"> - Leveraging openEHR for content fidelity and IHE for standardized exchange – how can this be best realized in practice? - IPS as a potential test case for joint activities. 	Rachel Dunscombe Alexander Berler Claudio Saccavini

Part 4. Testing, Conformance

11:15 - 11:30 Coffee break	
Part 4: Testing, Conformance (40 mins)	
11:30	
<p>openEHR and IHE Testing: a trajectory (25 mins) (Facilitated by both) Discussion: How can openEHR-enabled systems meaningfully participate in IHE Connectathons?</p> <ul style="list-style-type: none"> - Testing openEHR systems as content creators/consumers for IHE profiles (e.g., generating/processing an IPS document shared via MHD). - Value proposition for openEHR vendors/implementers and the IHE community. - Practical steps: Identifying initial profiles/use cases (e.g., IPS). (Discussion led by Prof. Dunscombe & IHE Rep) - Beyond Connectathons: Is there a need/opportunity for a joint or aligned conformance testing/certification approach for solutions that leverage both openEHR (for data modelling/persistence) and IHE profiles (for interoperability)? - Initial thoughts on scope and feasibility. 	<p>Rachel Dunscombe Claudio Saccavini Lapo Bertini</p>
Interactive Discussion: Conformance and Testing (15 mins) (Interactive Session)	All

Part 5. Broader Ecosystem & Actionable Next Steps

Part 5: Broader Ecosystem & Actionable Next Steps (50 mins)	
12:10	
Workshop Summary & Prioritizing 1-2 Concrete Next Steps (40 mins) (Joint Facilitation) <ul style="list-style-type: none"> - Key takeaways from each module. - Consensus on the most impactful and achievable joint actions for the openEHR and IHE communities (e.g., forming a joint task force on IPS, developing a whitepaper on openEHR & IHE profile integration, piloting openEHR participation in a Connectathon track). Brainstorming on global outlook: Which countries or regions show strong interest or have initiatives where combined openEHR and IHE adoption could yield significant benefits? 	Rachel Dunscombe Lapo Bertini
Closing Remarks (10 mins) (Prof. Dunscombe & IHE Rep)	Rachel Dunscombe Claudio Saccavini
13:00 Lunch	

Questions & Answers