Health-RI course: FAIR data stewardship basics

Did you recently start a job as a data steward at one of the Health-RI nodes or their regional partners? Or have you been performing data stewardship tasks in the medical field for some time already but need to get a refresher on the FAIR principles and how to apply them in practice? Join this introductory course to FAIR data stewardship in the health domain!

Dates
The course exists of the following three days, that together form a full course:

- Day 1, 19 June 2023, 10.00 - 17.00
- Day 2, 20 June 2023, 10.00 - 17.00
- Day 3, 3 July 2023, 10.00 - 17.00

Location
JIM, 6th floor, Beatrix building, Jaarbeursplein 6, Utrecht (next to Central Station)

Language
Will be adjusted to the participants (English and/or Dutch)

Target audience
This introductory course is for data stewards and other data professionals interested in the topic of FAIR data stewardship in the health domain.

Course description
This course will introduce you to the basics of FAIR data stewardship in the health domain. It will touch upon several topics in research data management and technologies which ease the process of creating and maintaining FAIR research data. The different tasks areas of data stewards will be discussed and there will be presentations of successful implementation of data stewardship in projects dealing with health data. Knowledge can be put into practice in hands-on sessions. You will define your own learning goals and draft a plan for awareness raising in your institution.

Course topics
We will pass the stages of the data life cycle and the FAIR principles in more detail. The following topics will be discussed at an introductory level:

- Data stewardship task areas and competency framework
- FAIR data stewardship landscape
- FAIR principles
- (Reviewing) data management plans
- ELSI topics (Ethical, Legal, Social Implications)
- Data security and privacy
- Data discovery and capturing data
- Metadata & ontologies
- Infrastructure for storing and sharing data
- Tools for processing and analysing data
- Organising, versioning and documenting data
- Data and software carpentry
- Publishing and archiving data
- Raising awareness on FAIR

The detailed course program can be found below.

Required skills
There are no formal prerequisites for the workshop, but participants are expected to be familiar with research methods in the health domain. Also, it is recommended to study the online materials of the RDNL Essentials 4 Data Support course beforehand if you're new to data stewardship.

Learning objectives
Participants will be able to:

- describe their data stewardship profile and competencies needed in their daily practice
- reflect on their learning goals
- explain the different phases in the research data life cycle
- explain the importance of the FAIR principles during a research project's life cycle
- understand the importance of metadata standardization
- understand the importance of software sustainability
- evaluate data management practices described in a Data Management Plan
- recognize ethical, legal or societal implications of data sharing
- advise researchers on services and tools during the research data life cycle
- understand the concept of the carpentries and data cleaning
- organise awareness raising activities for their target groups

Registration & Certification
There is a maximum of 20 participants.
There is no registration fee, but participants from Health-RI partners have priority access.
You can register via the registration form.

Participants register for the full programme and attend all three course days. Only those who attended the full course receive a certificate of attendance.

Partners for this course
The training is organised by Health-RI and its regional partners (Amsterdam UMC, Erasmus MC, LUMC, MUMC+, Radboudumc, UMCG, UMCU and e/MTIC)

Trainers / organisers
Fieke Schoots & Mijke Jetten, FAIR Data Implementation team Health-RI
Trainers & speakers from Health-RI Regional Nodes and partners
Contact: fairservicedesk@health-ri.nl

Course program

Day 1	Topic	Trainers	Type
9.45 – 10.00	Coffee/tea		
10.00 - - 11.00	Welcome - Getting to know each other - Programme - Introduction into Health-RI and FAIR data stewardship landscape; - Introduction into research data life cycle and FAIR principles https://doi.org/10.5281/zenodo.8116590	Course organisers	Informal; Presentation
11.00 – 11.30	Demonstrator project: Duchenne Data Platform	Nawel Lalout, Project Manager Duchenne FAIR Data	Presentation
11.30 – 11.45	Coffee break		
11.45 – 12.30	Data stewardship: introduction to profiles and competencies - What kind of data steward are you? - What are your learning goals?	Course organisers	Group activity
12.30 – 13.15	Lunch break		
13.15 – 14.00	Perspective on FAIR data stewardship from funder	Ellen Carbo, ZonMW	Presentation
14.00 – 14.15	Tea break		
14.15 – 15.30	Data Management Planning - Reviewing Data Management Plans activity	Petra Overveld, LUMC	Presentation; Hands-on
15.30 – 16.30	Ethical, Legal and Societal Implications (ELSI) of FAIR data - Informed consent - Frequently Asked Questions (and answers)	- Elize Vlainic, AUMC, - Miriam Beusink, ELSI Team Health-RI	Presentation; Hands-on
16.30 – 16.45	Wrap-up	Course organisers	

Day 2	Topic	Trainers	Type
9.45 – 10.00	Coffee/tea		
10.00 – 10.15	Welcome & Recap & Program https://doi.org/10.5281/zenodo.8116590	Course organisers	Informal
10.15 – 11.15	Capturing data (iCRF)	Sander de Ridder & Jeroen Beliën, Health-RI	Presentation; Hands-on
11.15 - 11.30	Coffee break		
11.30 – 12.30	- European Joint Programme on Rare Diseases (EJP-RD) example & FAIRopoly - FAIRification Workflow	- Nirupama Benis, AUMC, EJP-RD - Jolanda Strubel & Sander de Ridder, Health-RI	Presentation
12.30 – 13.00	Lunch break		
13.00 – 14.00	- Metadata: introduction - FAIR Data Point Populator	- Bruna Vieira dos Santos, Health-RI - Daphne Wijnbergen, LUMC	Presentation
14.00 – 15.00	FAIR data point populator		Hands-on
15.00 – 15.15	Tea break		
15.15 – 15.45	Health-RI metadata portal	Marianne Knoop Pathuis-Baarda, Health-RI	Presentation
15.45 – 16:15	- Metadata activity (continued)	Health-RI FAIR team	Hands-on
16.15 – 16.30	Wrap-up	Course organisers	

Day 3	Topic	Trainers	Type
9.45 – 10.00	Coffee/tea		
10.00 – 10.15	Welcome & Recap Program: https://doi.org/10.5281/zenodo.8116590	Course organisers	Informal
10.15 – 10.45	Software sustainability	Carlos Martinez Ortiz (eScience center)	Presentation
10.45 – 11.00	Coffee break		
11.00 – 12.00	Publishing and archiving data: https://doi.org/10.5281/zenodo.8101838	Cees Hof & Kim Ferguson, DANS	Presentation + hands-on
12:00-12:15	Sharing images	Esther Bron, Health-RI architecture team / Erasmus UMC	Presentation
12.15 – 12.45	Lunch break		
12.45 – 14.15	Carpentry lesson: Data Organization in Spreadsheets (for Social Scientists)	Kristina Hettne, Centre for Digital Scholarship, Leiden University & Carpentry instructor	Hands-on
14.15 – 14.30	Tea break		
14.30 – 15.30	Awareness raising & community building - Group activity: how to raise awareness on FAIR in your institution	Course organisers	Group activity
15.30 – 16.15	Evaluation of initial learning goals and wrap-up	Course organisers	
16.15 – 17.00	Drinks		