The iCRF Generator

- Generate Interoperable CRFs -

Sander de Ridder Jeroen Beliën











In my new study my crf will look like this:

- 4.1 Rare disease's diagnosis
- Maffucci syndrome
- Vascular tumor with associated anomalies



Researcher A

I will use:
0 = Maffucci syndrome
1 = Vascular tumor with
associated anomalies



Researcher A

I will use:

0 = Maffucci syndrome

1 = Vascular tumor with

associated anomalies







Researcher B

I will use:

0 = Maffucci syndrome

1 = Vascular tumor with associated anomalies

In my new study my crf will look like this:

4.1 Rare disease's diagnosis

Maffucci syndrome
Vascular tumor with associated anomalies

Researcher B

Researcher A

I will use:
0 = Maffucci syndrome
1 = Vascular tumor with
associated anomalies



Researcher A

I will use:

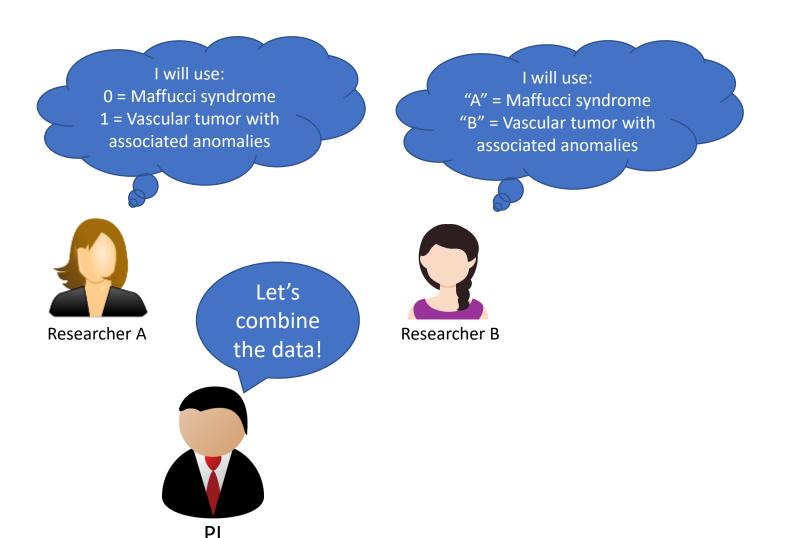
"A" = Maffucci syndrome

"B" = Vascular tumor with

associated anomalies



Researcher B



I will use:

0 = Maffucci syndrome

1 = Vascular tumor with

associated anomalies



Researcher A

Let's
combine
the data!



I will use:

"A" = Maffucci syndrome

"B" = Vascular tumor with

associated anomalies





It's a mess!

Data not interoperable!



In my study I will reuse definitions from the VASCA CDEs!

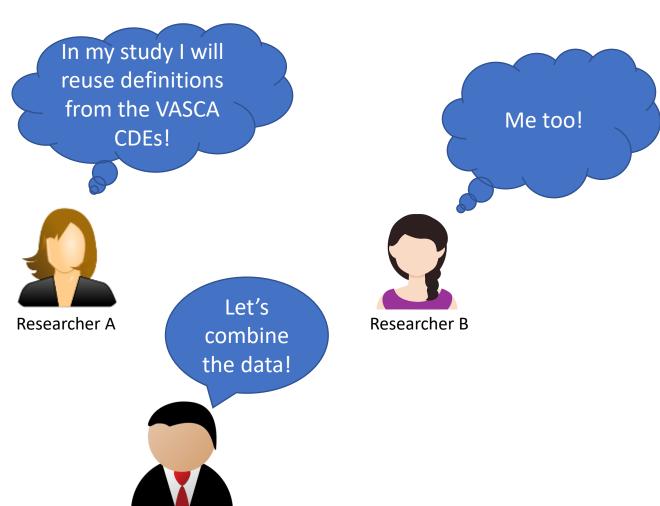


Researcher A

In my study I will reuse definitions from the VASCA CDEs!







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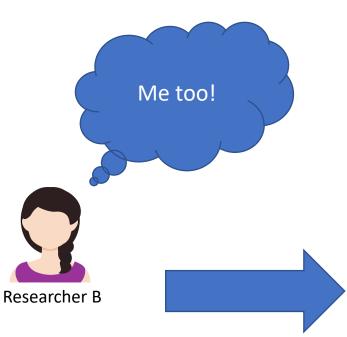


Researcher A

Let's

combine

the data!





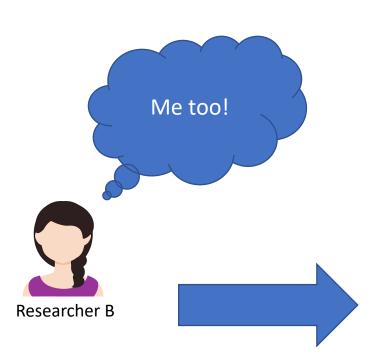
Much easier to combine! Interoperable!

In my study I will reuse definitions from the VASCA CDEs!



Researcher A Combine the data!



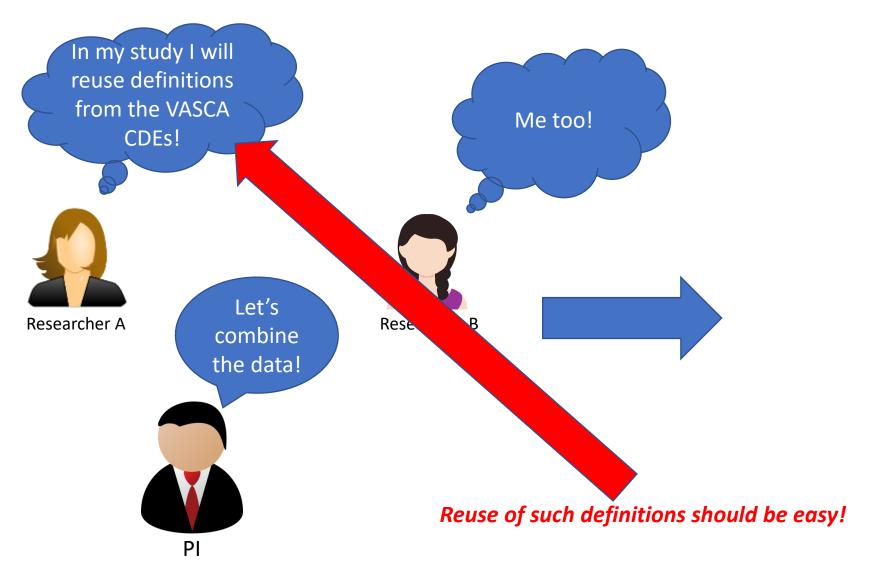




Much easier to combine! Interoperable!



Bonus: a happy PI





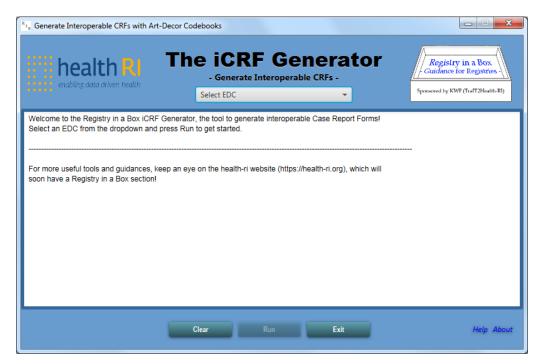
Much easier to combine! Interoperable!



Bonus: a happy PI

The iCRF Generator

- Easy to use tool to generate Interoperable Case Report Forms
 - Uses codebooks stored in ART-DECOR, e.g.
 - Basic Health Data Set (Basisgegevensset Zorg)
 - Clinical Building Blocks (Zorginformatiebouwstenen)
 - RIVM population screening
 - VASCA
 - Currently supports
 - OpenClinica 3
 - Castor (Step, Report, Survey)
 - REDCap



The iCRF Generator Flow

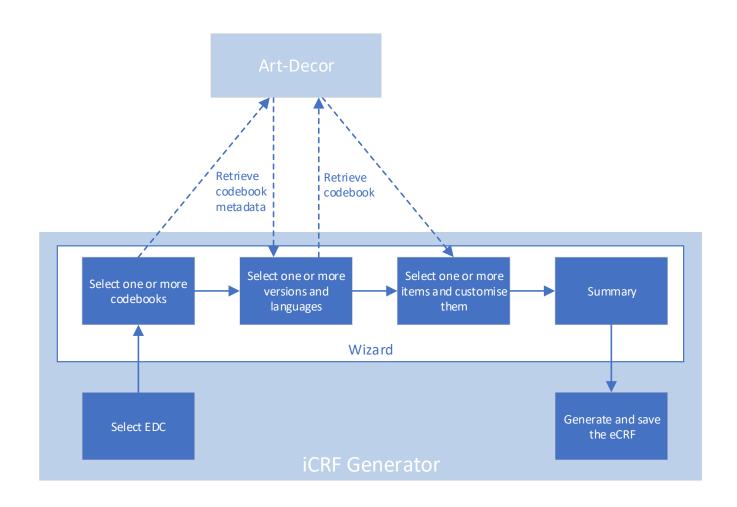


Illustration of the flow inside the application. Dark blue steps are further illustrated with screenshots in the next slides.

Recently Added Features (v1.1)

- Support for Castor Reports & Surveys
- Support for ART-DECOR custom properties
- Support for custom ART-DECOR codebooks

Future work

- New features and necessary improvements
 - Include Research Manager and Molgenis EMX
- Add more codebooks when available and if they have added value

To schedule a demo or learn more

- Contact us:
 - Sander de Ridder a.deridder1@amsterdamumc.nl
 - Jeroen Beliën jam.belien@amsterdamumc.nl
- Read the paper:
 - https://f1000research.com/articles/9-81
- Download the tool and give it a try:
 - Tool https://github.com/aderidder/iCRFGenerator/releases
 - Source code https://github.com/aderidder/iCRFGenerator

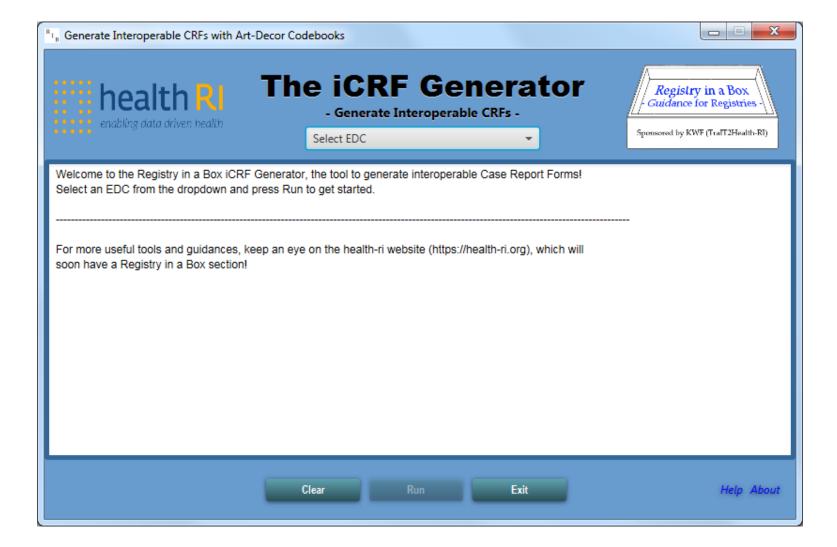




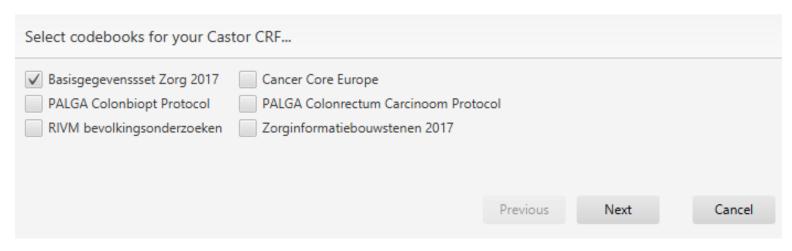




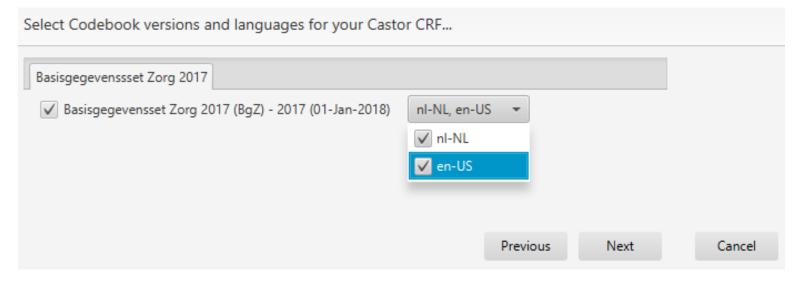




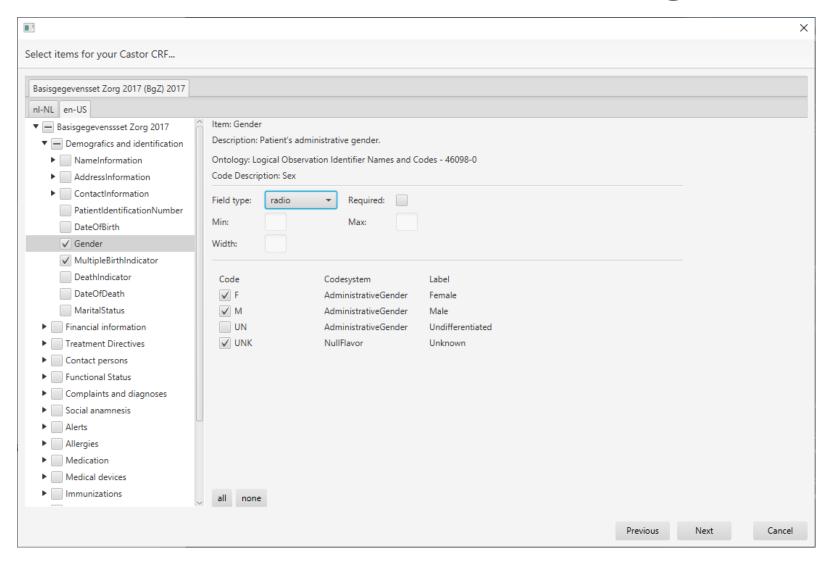
- 1. Select the EDC of your choice
- 2. Click Run



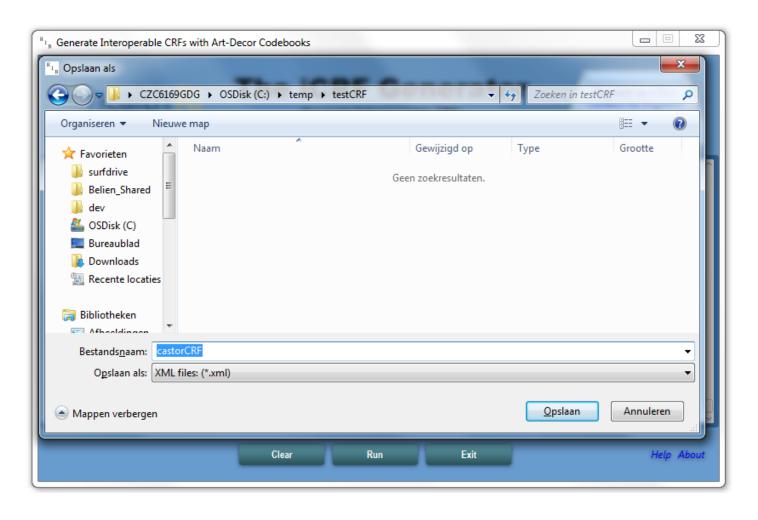
- 3. Select one or more codebooks
 - 4. Click next



- Select version(s) and language(s)
- 6. Click next



- 7. Select the items and codes for your CRF
- 8. Click next



- 9. Finish the Wizard and Save your CRF
- 10. After saving, import the CRF into your EDC of choice or edit the CRF with a suitable editor