VBHC.. Where do we go?

Linetta Koppert



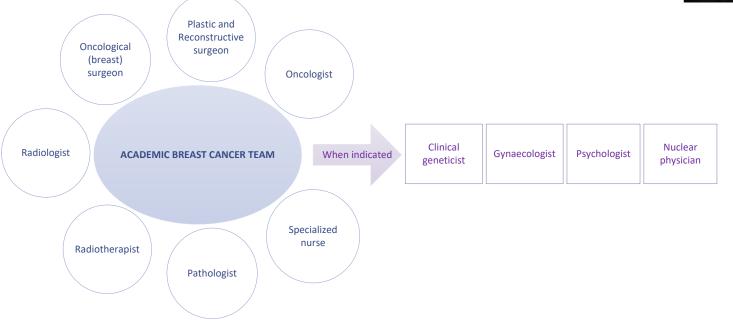


Our 'outcome journey' since 2014



Search for outcomes that matter most to our patients:

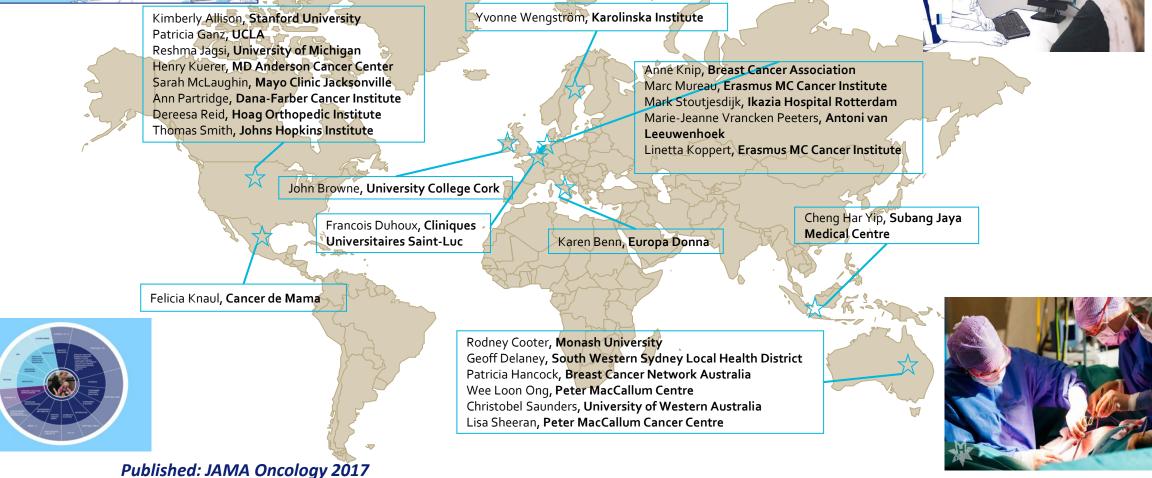
• According to health care professionals



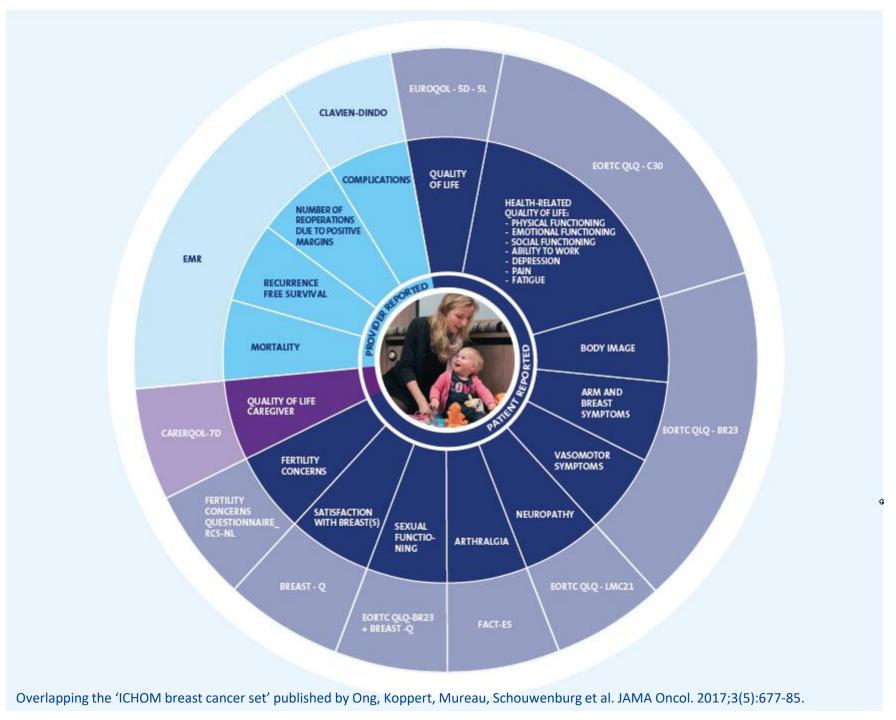
- According to (our mostly young breast cancer) patient surveys
- Expert panel: what are validated questionnaires that capture the outcomes?

A wonderful journey





External advisors: Barbara Levy (ACOG), Beth Daley Ullem (DePaul University), Catherine Calderwood (NHS), Paulien Brunings (Achmea)



ACADEMISCH BORSTKANKERCENTRUM V

Soort borstoperatie Lumpectomie Neo-adjuvante chemotherapie Nee Operatiedatum 07 apr. 2016 Startdatum: 24-03-2016

Preoperatief

MDO Behandelplan 24-03-2016 Zorgprofessionals Aanmelden ... R mantelzorger/directe naaste B Neo-adjuvante chemotherapie P B Initiële Patiënt Condities (Borstkanker) B

24-03-2016

Patiënten

EQ-5D-5L Nederlandse
versie

EORTC QLQ C30

EORTC QLQ BR23

Breast-Q

Definitieve behandelkeuze

Zorgprofessionals

Definitieve behandelkeuze

01-04-2016

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07-10-2016		07-03-2017
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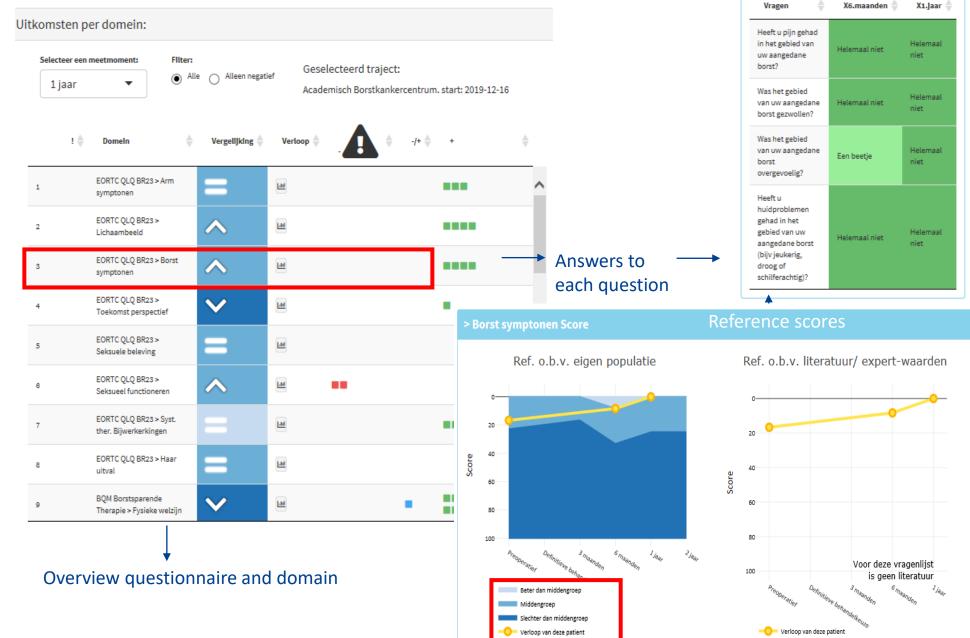
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	Patiënten			
	EORTC QLQ BR23			
	Breast-Q Module Borstsparende Therapie (Postoperatief)			

14

25

Dashboard

EORTC QLQ BR23 > Borst symptonen



Here all challenges come together .. 'standardisation, interoperability and digitalisation'. No clear answers yet, but let me draw a beautiful example inspiring me. In 2020 I got involved with an international collaboration which needs some introduction



"Sustainable health care systems should be focused on outcomes instead of reimbursing for the services provided"

(..could have been an ICHOM statement..)



Why

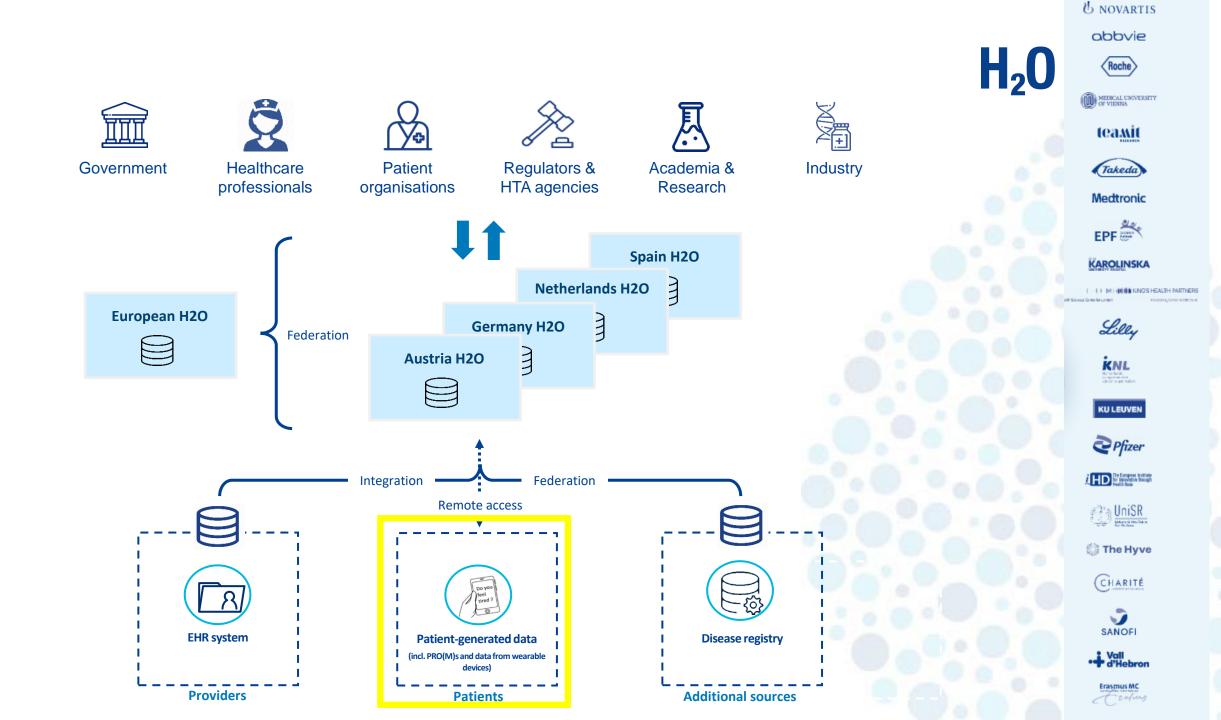
Partnership CDM common data model'

- Federative architecture for data collection, 'OMOP Observational Medical Outcomes
- *Implementation*; digital technology; patient dashboard; autonomy on data flow; patient-centered VBHC model

Within EUHA; funded by Innovative Medicines Initiative (IMI)

- Scalability; Anonimyzed and aggregated data form a natural source; Non-for-profit model: data broadly available, in a legal and ethical way
- Patient empowerment to measure outcomes in standardized manner, being transparent, conversation in the consultation room; deliver better healthcare
- DM, IBD and cancer (metastasized breast, lung, multiple myeloma, Non-hodgkin lymphoma)
- H2O is a new public-private consortium bringing together patients, clinicians, academic researchers, life science and industry to generate a multinational ecosystem to collect and incorporate PROs and other health outcomes into healthcare decision making







The Value of PRO data

PRO Utility	Patient	Clinical Pro- vider	Academic Research- er	Health System	Payer	Research Fund- ing Agency	Regulatory Agency
Shared deci- sion-making	х	х					
Evaluating provider perfor- mance	х	х		x	х	x	x
Determining treatment effectiveness	х	х	×	x	х	×	х
Evaluation of novel treat- ments	х	х	х	x	х	x	x
System-level cost & quality improvement		х	х	х	х	х	х

Table 2. Legitimate Interest and Stakeholder Value of Patient-Reported Outcomes (PRO) Data

Source: The authors, adapted from: Squitieri L, Bozic KJ, Pusic AL. The role of patient-reported outcome measures in value-based payment reform. Value Health 2017;20:834-836. <u>https://www.valueinhealthjournal.com/article/S1098-3015(17)30114-6/fulltext?_returnURL=https%3A%2F%2Flinkinghub.elsevier.com%2Fretrieve%2Fpii%2FS1098301517301146%3Fshowall%3Dtrue. 10.1016/j. jval.2017.02.003.</u>

Shared decision making The right conversation 'Patients like me' Proper use Culture change Learn and become better

Overlapping aims; let's further collaborate here!

- We came from: RCTs, meta-analyses (2016: 3700 publications/ day.....).. So much knowledge to process
- And are now in Real World Evidence, **Big Data**.. Even enlarging the gap between gain of knowledge and apply that knowledge
- **Big Data potential:** Shared Decision Making, decision support, personalized medicine
- Ideally the patient gives consent: Big Data now should generate hypotheses for RCTs



- Bring Evidence Based Medicine forward: data, conclusions out of data; the international benchmarks!
- Keep helping health care providers to create and use standard outcome sets
- Help to create data infrastructure / ecosystem out of EMRs and patients, disease registries, GP data, pharma data..
- And bring outcomes *into the consultation room*: Shared Decision Making, decision support, personalized medicine
- Since outcomes should be *openly* discussed *in the shelter* of the consultation room









Concrete

"Let doctors be doctors and nurses be nurses" .. We all want to deliver high quality care

Bring the data into consultation rooms (ICT, dashboarding, disease registries, ..)





