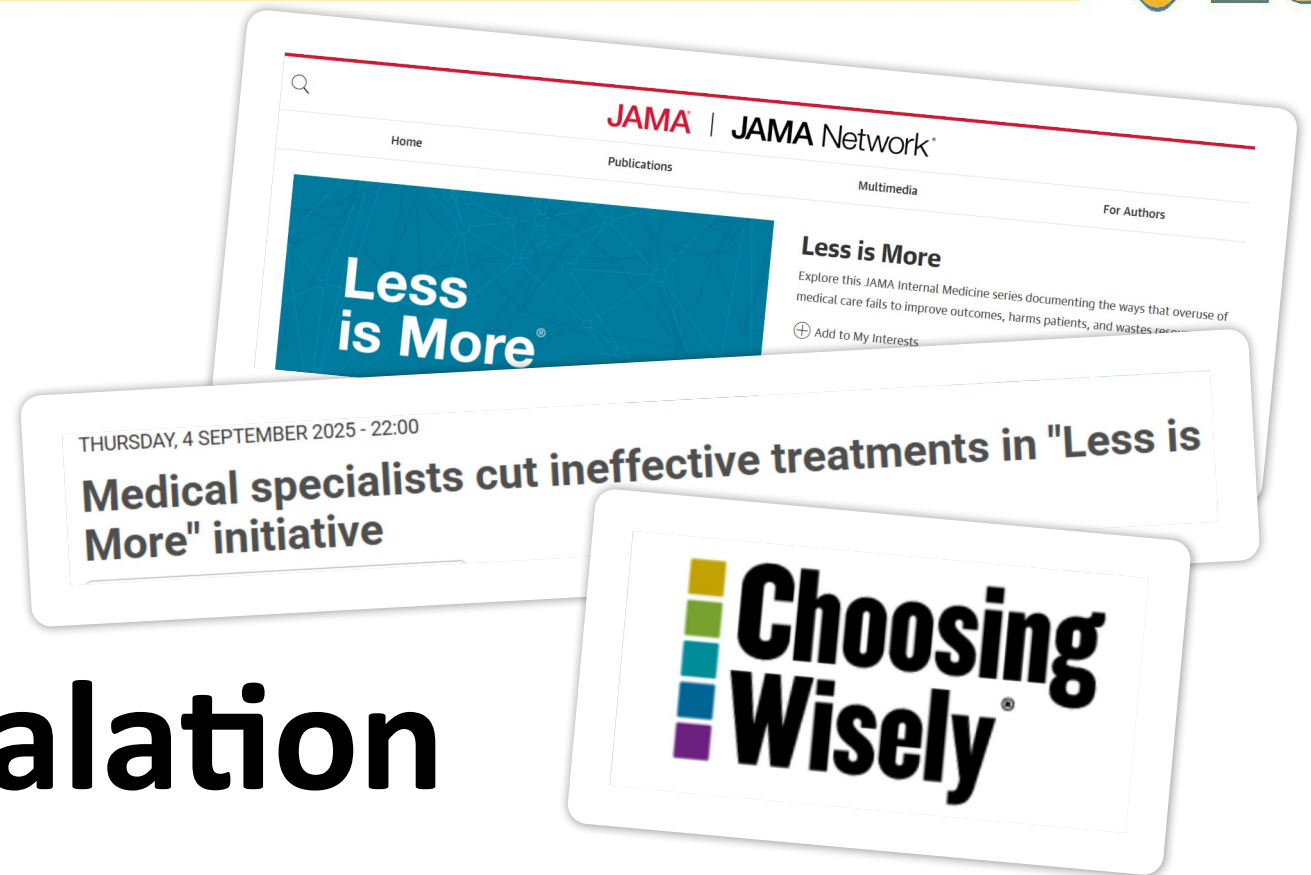


RWD & De-escalation

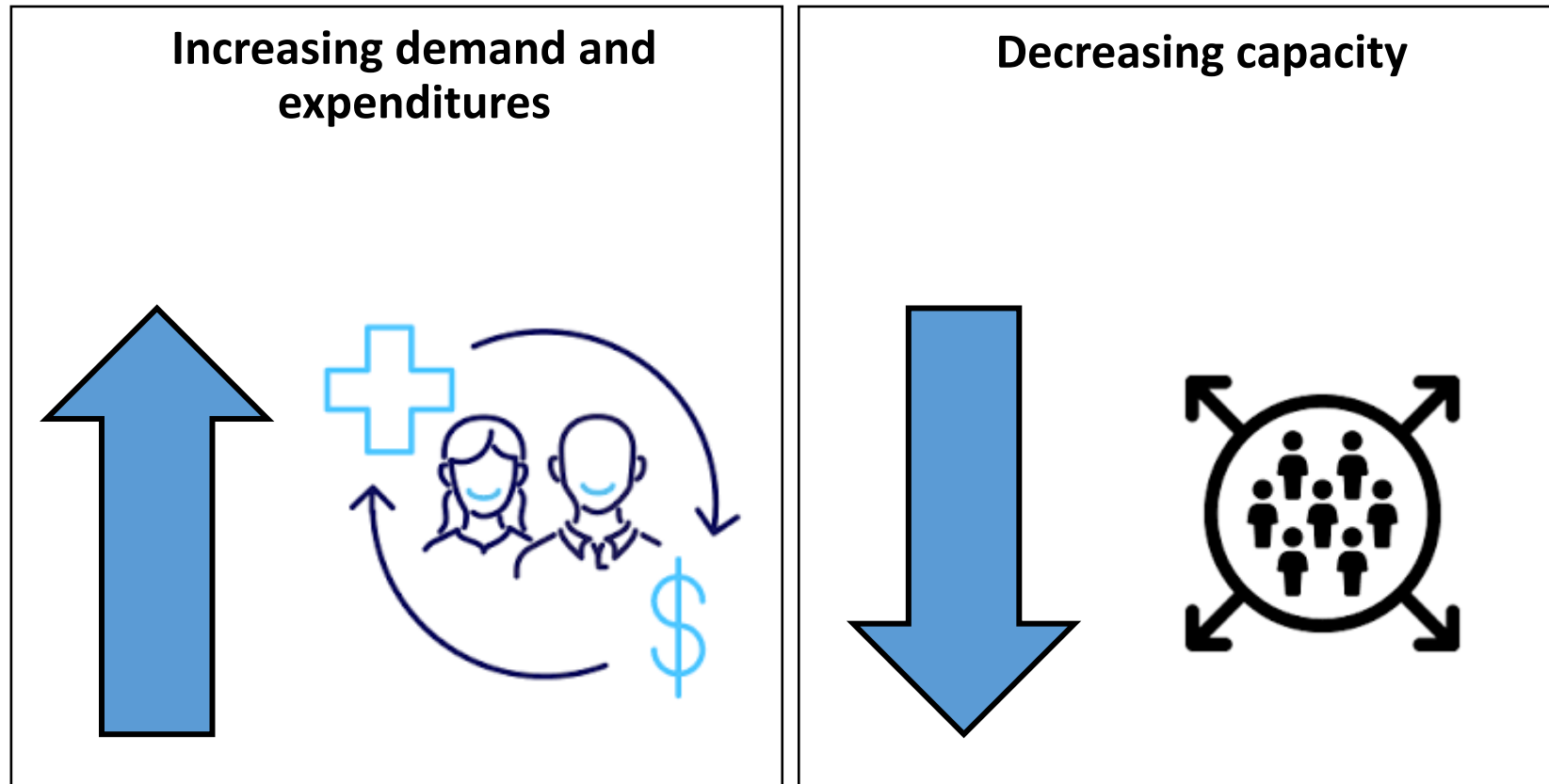
Astrid Kramer (a.kramer@nki.nl)

Postdoctoral researcher HTA

Netherlands Cancer Institute

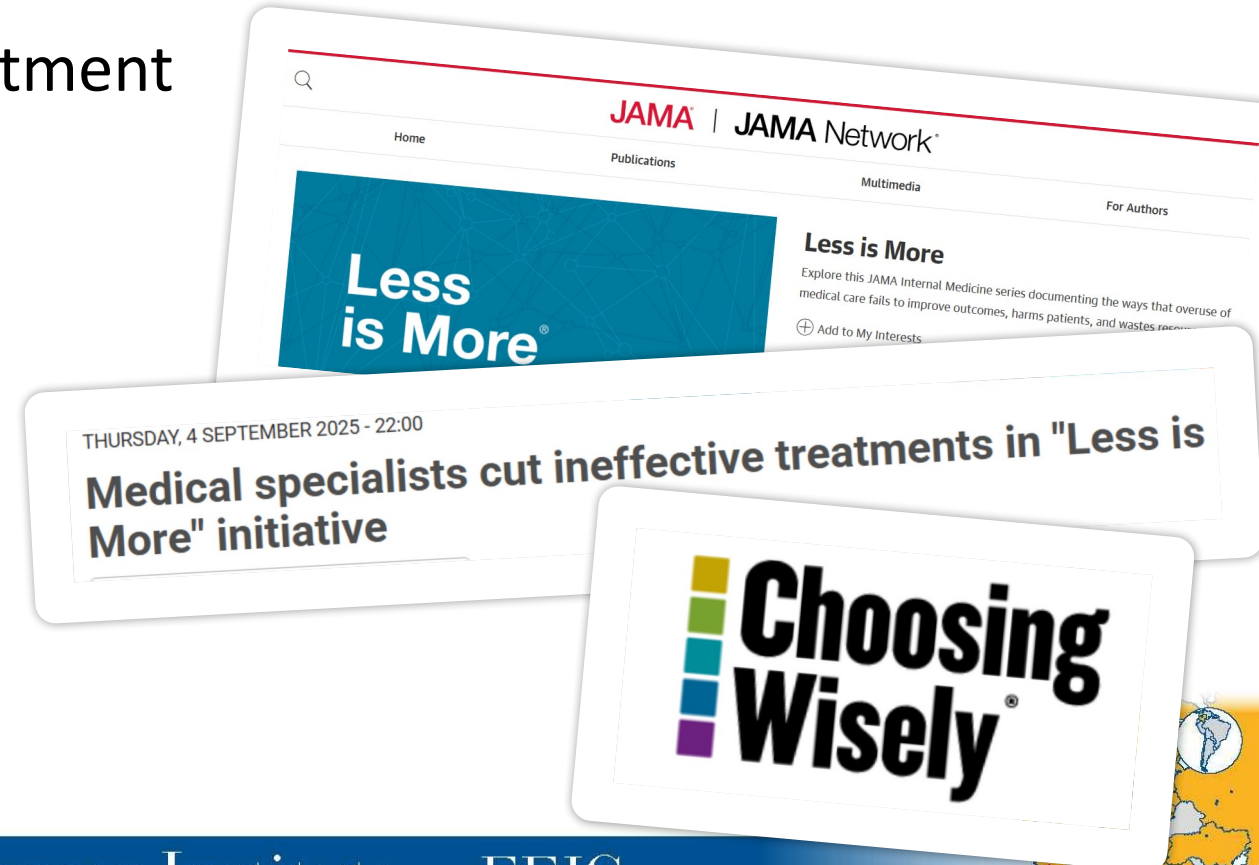


Healthcare system under pressure



De-escalation in oncology

- Personalized medicine has opened door for (de-)escalation
- Reduce overdiagnosis and overtreatment
- Why de-escalation?
 - Improve patient outcomes (QoL)
 - Improve resource use (costs + capacity)



Types of de-escalation

Omission of
treatment or care

Reduction of
treatment or care
(dose, nr. cycles)

Response-
adapted/
biomarker guided
de-escalation

Substitution of
(invasive)
treatment for less
invasive



Types of de-escalation

Omission of
treatment or care

Response-
adapted/
biomarker guided
de-escalation

Surgery → active surveillance
DIRECT-DCIS trial

Reduction of
treatment or care
(dose, nr. cycles)

↓ **Less fractions radiotherapy**
SCOPES trials

Substitution of
(invasive)
treatment for less
invasive

Staging laparoscopic surgery → MRI
DISCO trial

Neoadjuvant IT → omit major surgery
IMCISION trial



Types of de-escalation

Omission of
treatment or care

↓ **Imaging**

Real-world (hospital) data

Reduction of
treatment
(dose, nr. cycles)

↓ **Less fractions radiotherapy**
SCOPES trials

Response-
adapted/
biomarker guided
de-escalation

Surgery → active surveillance
DIRECT-DCIS trial

Substitution of
(invasive)
treatment for less
invasive

Staging laparoscopic surgery → MRI
DISCO trial

Neoadjuvant IT → omit major surgery
IMCISION trial



Increasing demand for imaging

- More patients, more diagnostics per patient
- Capacity issues at the radiology department. Taken measures were not sufficient.
- Aim: data-driven de-escalation of imaging
 - Focus on “low-value” imaging
 - Real-world data

Routine Surveillance for Cancer Metastases — Does It Help or Harm Patients?

Authors: H. Gilbert Welch, M.D., M.P.H. , and Lesly A. Dossett, M.D., M.P.H. [Author Info & Affiliations](#)

Published April 26, 2025 | N Engl J Med 2025;392:1667-1670 | DOI: 10.1056/NEJMp2414159 | VOL. 392 NO. 17



Low-value care

- › Definition:
 - Healthcare practices (services and technologies)
 - that have been demonstrated
 - to provide little to no benefit overall
 - or that even cause harm
 - to certain patient groups



Study: Guideline-discordant use of MRI in BC surveillance

- Breast MRI in clinical guidelines

Screening for breast cancer	During diagnosis/treatment:	Surveillance after breast cancer
Currently: not in population-based screening program (only in women with (genetic) high-risk) From 2030: women with breast density D will receive MRI	Only in a subgroup (e.g. younger patients / with high breast density (C/D))	Women < 40 years: <3 years after diagnosis: annual MRI >3 years after diagnosis: in women with breast density C/D until the age of 40 Women > 40 years: No MRI, only XMG (mammography)

Maandrapportage Capaciteit beeldvormende diagnostiek

Periode: nov 2025 t/m jan 2026

Modaliteit	Mei	Juni	Juli	Aug	Sept	Okt	Nov	Dec	Jan	Feb	Maart	April
CT												
MRI												
PET-CT												

- Aim: to investigate the guideline-discordant use of breast-MRI in the surveillance after breast cancer (based on **hospital data**)



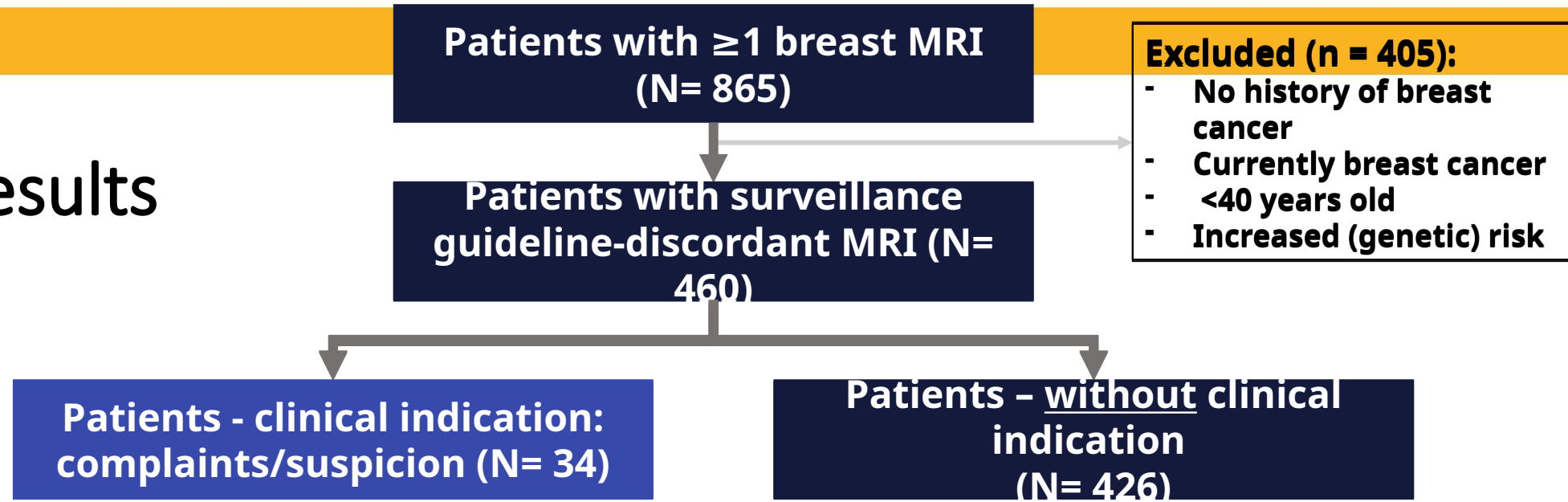
Study: Guideline-discordant use of MRI in BC surveillance

- Requested dataset:
 - Women with surveillance breast-MRI between July 2024 and June 2025 at this institute
 - Inclusion: women > 40 year with a history of breast cancer, no increased (genetic) risk
 - Exclusion: MRI requested for trial
- Data on patient and tumor characteristics, treatment history, imaging and pathology reports
 - Structured data
 - Unstructured data: reports = open text field.

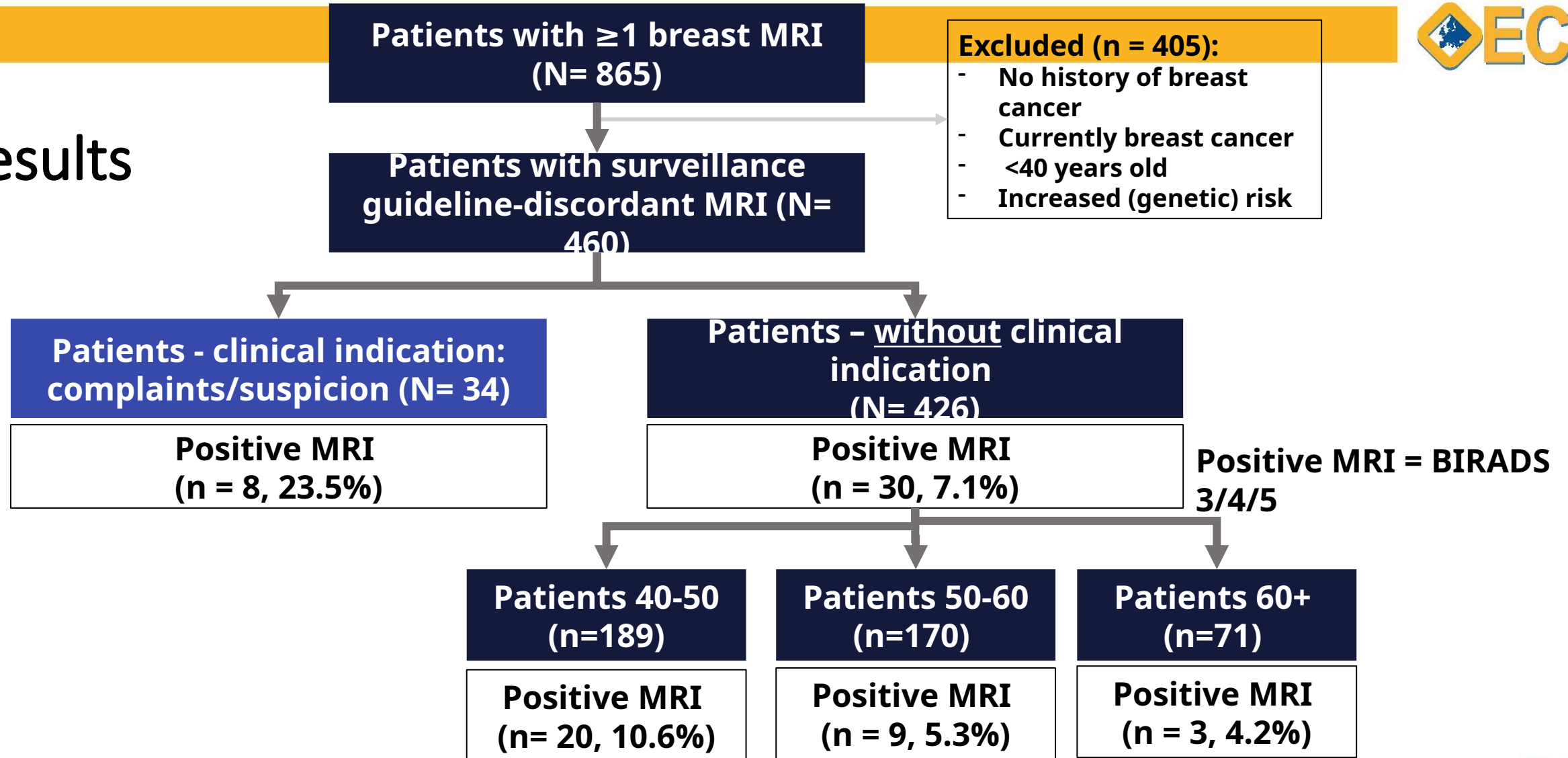
MRI reports	Pathology reports
Breast density	Tumor characteristics
Reason for MRI request • Suspicion/complaints, preference, regular FU.	Pathology result • Malignant/not malignant • BC recurrence/metastasis, BC second primary, other
MRI result (BIRADS classification) • Positive: BIRADS 3, 4, 5	



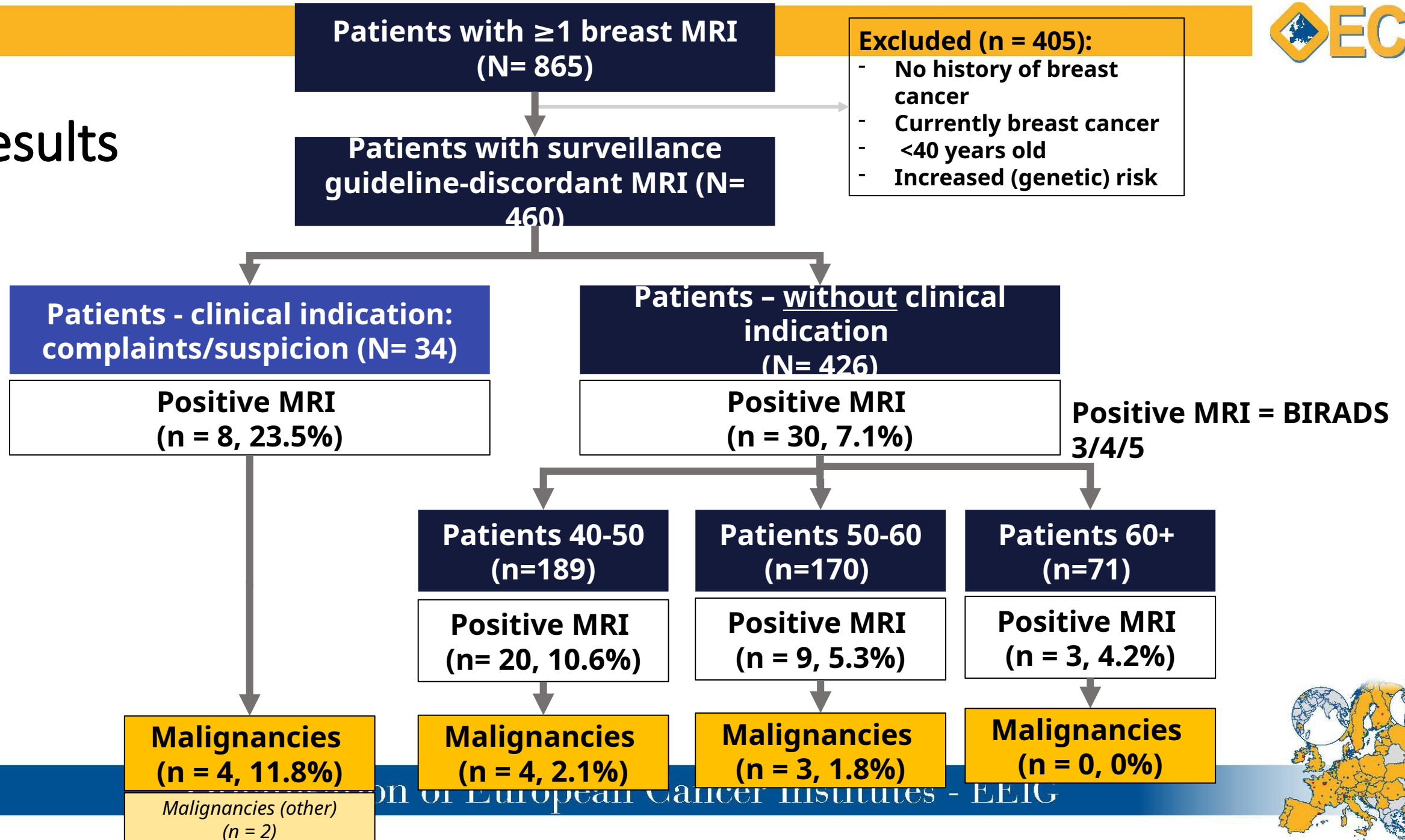
Results



Results



Results



Next: De-implementation

- Generate awareness
 - Involve clinicians and share results
- Provide support
 - Clear advise/communication
 - Provide alternative
- Discuss implications of de-implementation
 - ↓ production?, ↑ time & FTE savings?



Discussion – what can we do in our hospitals?

- Join forces for **high quality** RWD collection
 - Investigator-initiated studies
 - Larger sample sizes
- Guideline vs Clinical practice
- De-escalation → De-implementation
 - Clinicians: change in behavior?
 - Institute: ↓production, ↑time & FTE savings?

Contact: Astrid Kramer (a.kramer@nki.nl)

