



University of
Nottingham

UK | CHINA | MALAYSIA



Champalimaud
Foundation

Factors Affecting Uptake of Post-Mastectomy Immediate Breast Reconstruction in Older Women - A Systematic Review

RXN Lee, R Parks, MJ Cardoso and KL Cheung.

Uptake of Immediate Breast Reconstruction in Older Women Post-Mastectomy – A Systematic Review of the Literature. Dec 2021. JGO, 12 (8): suppl 1, S2-3.

Transforming
healthcare





Introduction

- **Post-mastectomy breast reconstruction improves patients' quality of life**
- **Increasing proportion of older women living with breast cancer**
- **Slower uptake of post-mastectomy immediate breast reconstruction (PMIBR) in older women**





Aims

- 1. Ascertain if there is a disparity in uptake of PMIBR in older women compared to younger women**
- 2. Explore underlying reasons for this disparity**

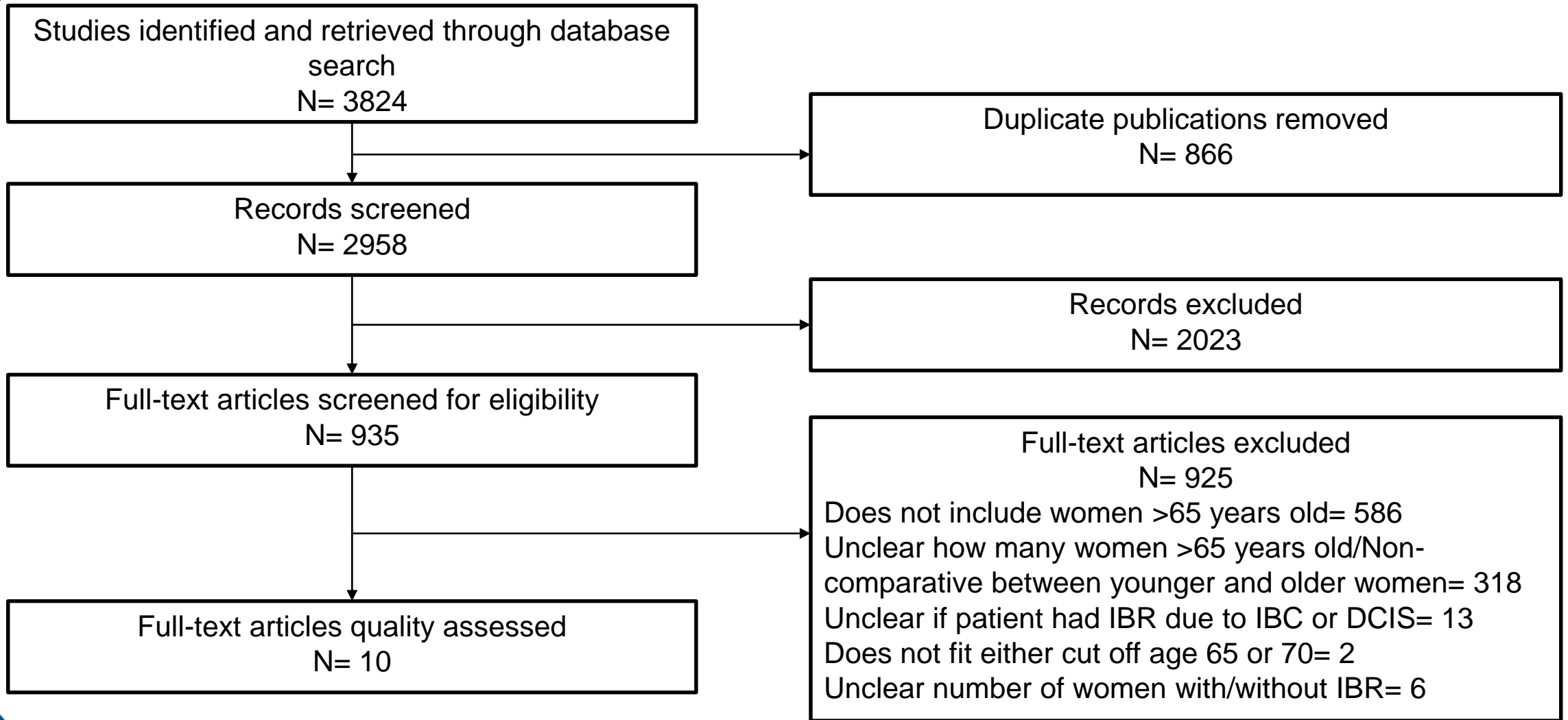


Methods

- **Pubmed and EMBASE up to 9 February 2022**
- **Studies that compared rates of PMIBR between younger and older women (defined as >65 years) with invasive primary breast cancer**
- **Excluded cases of DCIS, prophylactic mastectomy**



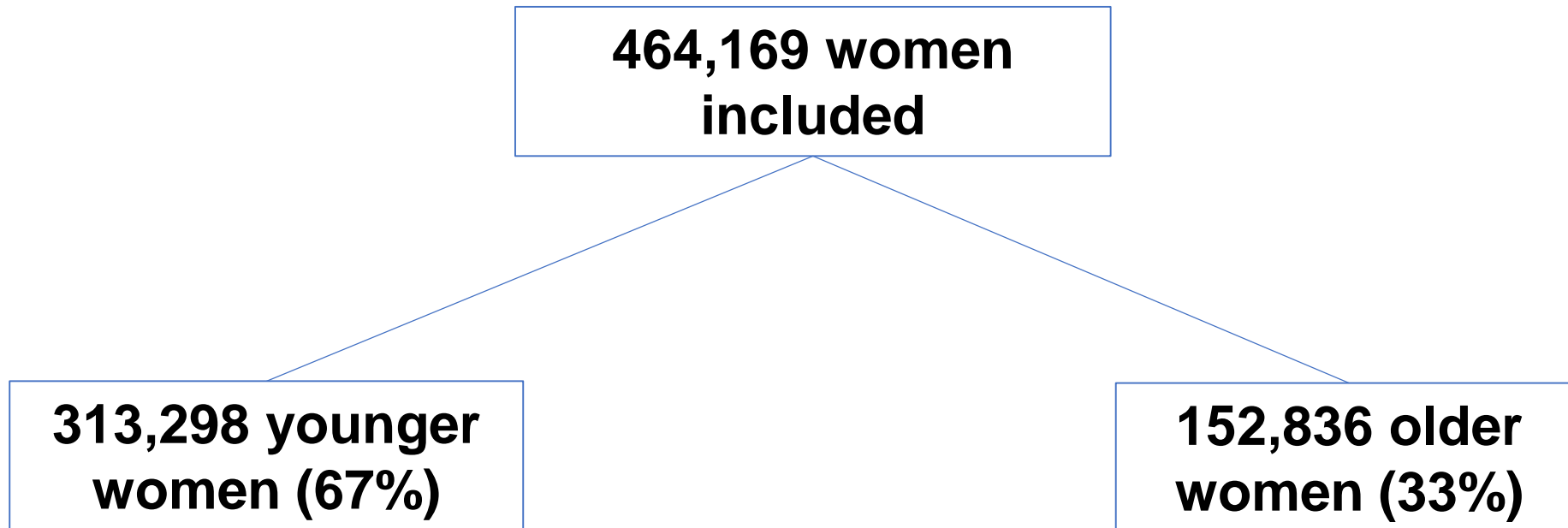
Results





Results

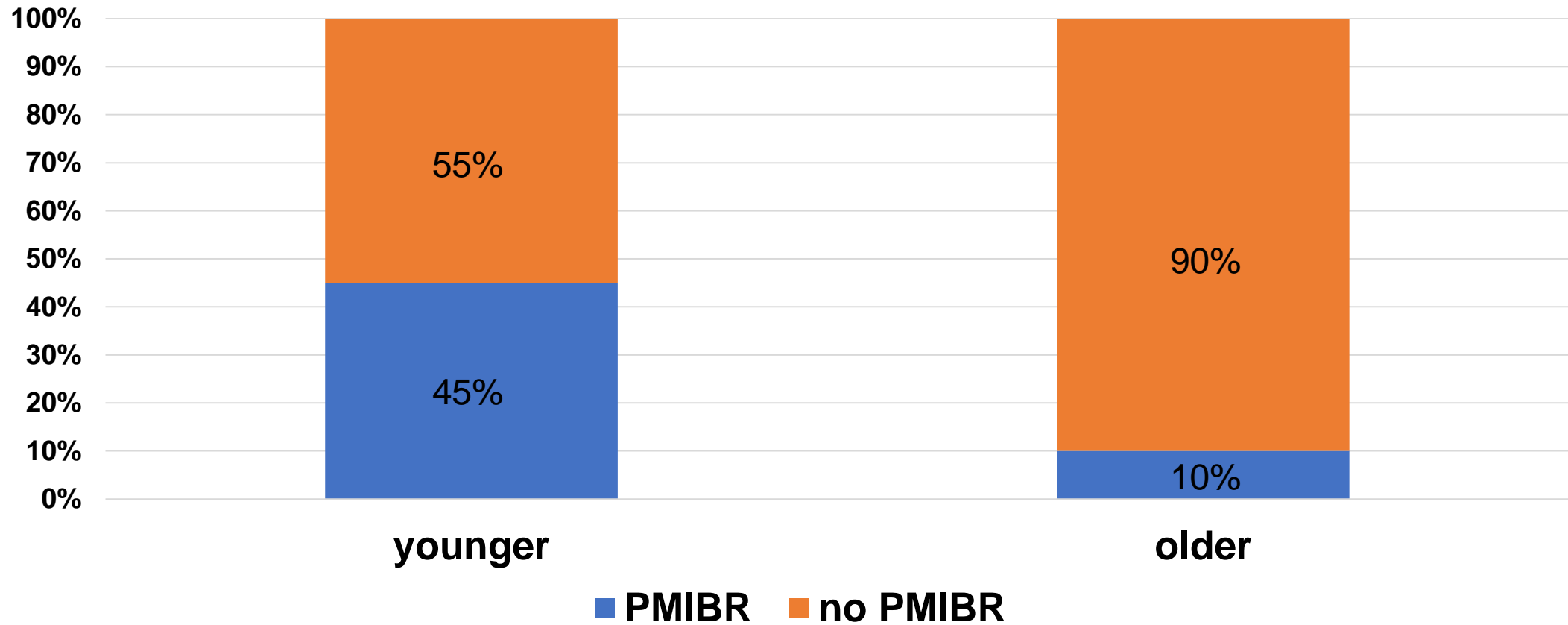
- 10 studies published since 2012





Results

Percentage of women with and without PMIBR





Results

- Only 2 studies explored factors affecting uptake of PMIBR in older women^{1,2}.

[Breast Cancer Res Treat. 2012 Nov; 136\(2\): 535–545.](#)

PMID: [23053659](#)

Published online 2012 Sep 29. doi: [10.1007/s10549-012-2273-4](#)

Influence of health insurance, hospital factors and physician volume on receipt of immediate post-mastectomy reconstruction in women with invasive and non-invasive breast cancer

[D. L. Hershman](#),  [C. A. Richards](#), [K. Kalinsky](#), [E. T. Wilde](#), [Y. S. Lu](#), [J. A. Ascherman](#), [A. I. Neugut](#), and [J. D. Wright](#)

¹Frisell et al. BJS Open. 2020

²Hershman et al. BCRT. 2012



Results

Physician

- **Surgeon's practices**
 - **Preoperative information**
 - **Patient involvement in decision-making**

Patient

- **Age**
- **Socioeconomic status**
- **Ethnicity**
- **Comorbidities**

System

- **Insurance status**
- **Hospital location**



Conclusion

- **Uptake of PMIBR in older women is significantly lower**
- **Paucity of data in the literature on the barriers and facilitators to PMIBR in older women**
- **Increasing proportion of older women living with breast cancer**





University of
Nottingham

UK | CHINA | MALAYSIA



**Champalimaud
Foundation**



Rachelleexn



Rachel.lee31 @nhs.net

**Transforming
healthcare**

50 Years
of Medicine