Supplementary Online Content

Zheng Y, Dong X, Li J, et al. Use of breast cancer risk factors to identify risk-adapted starting age of screening in China. JAMA Netw Open. 2022;5(11):e2241441. doi:10.1001/jamanetworkopen.2022.41441

eFigure 1. Age-Specific 10-Year Cumulative Breast Cancer Risk for Women With 5 Risk Score Levels, Using Age 50 Years for Women in the General Population as a Benchmark

eFigure 2. Age-Specific 10-Year Cumulative Breast Cancer Risk for Women With 3 Risk Score Levels in the Development and Validation Data Sets

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eTable 1. Association of Risk Factors and Breast Cancer Incidence

eTable 2. Incident Age of Breast Cancer in Women With Different Risk Levels

This supplementary material has been provided by the authors to give readers additional information about their work.
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Solid line: development set; dotted line: validation set.
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**eTable 1.** Association of Risk Factors and Breast Cancer Incidence

| Variable                                      | MV-adjusted HR (95% CI) | P value |
|-----------------------------------------------|-------------------------|---------|
| **First-degree family history of breast cancer** |                         |         |
| No                                           | 1.00 (reference)        |         |
| Yes                                          | 1.16 (1.03-1.31)        | <.05    |
| **Benign breast disease**                     |                         |         |
| No                                           | 1.00 (reference)        |         |
| Yes                                          | 1.25 (1.16-1.35)        | <.001   |
| **Breastfeeding**                             |                         |         |
| No                                           | 1.00 (reference)        |         |
| Yes                                          | 0.78 (0.70-0.87)        | <.001   |
| **Age at menarche, years**                    |                         |         |
| ≥13                                          | 1.00 (reference)        |         |
| <13                                          | 1.27 (1.15-1.40)        | <.001   |
| **BMI**                                       |                         |         |
| <18.5                                        | 0.70 (0.53-0.92)        | <.05    |
| 18.5-23.9                                    | 1.00 (reference)        |         |
| 24-27.9                                      | 1.11 (1.04-1.19)        | <.01    |
| ≥28                                          | 1.25 (1.12-1.39)        | <.001   |

BMI: Body mass index.
HR: Hazard ratio.
CI: Confidence interval.
* Multivariate Cox regression model.
**eTable 2. Incident Age of Breast Cancer in Women With Different Risk Levels**

| Population | Follow-up period (Median (IQR), y) | Incident age of breast cancer (Mean (SD), y) | P value |
|------------|-----------------------------------|---------------------------------------------|---------|
| General    | 4.47 (3.16-6.35)                  | 58 (8)                                      |         |
| Risk       |                                   |                                             |         |
| Low        | 4.59 (3.18-6.38)                  | 59 (8)                                      | .07     |
| Medium     | 4.40 (3.14-6.29)                  | 58 (8)                                      | .28     |
| High       | 4.38 (3.12-6.19)                  | 57 (7)                                      | <.001   |

IQR: Interquartile range.
SD: Standard deviation.