

**Table 5. Results of mammography trials among women younger than 50 years of age**

| Study (reference)                      | Ages  | Median follow-up (years) | Number of Breast Cancer Deaths/Total Number of Women |            | Breast Cancer Death Rate per 1000 women |         | Relative Risk for Cancer Death (95% Credible Interval) | Absolute Risk Reduction per 1,000 women | Number needed to invite* | Follow-up year controls screened |
|--|-------|--------------------------|--|------------|---|---------|--|---|--------------------------|----------------------------------|
|  |       |                          | Screened   | Control    | Screened                                | Control |  |   |                          |                                  |
| <b>Studies of mammography alone</b>    |       |                          |  |            |   |         |  |   |                          |                                  |
| Stockholm (23)                         | 40-49 | 14.3                     | 34/14,842  | 13/7,103   | 2.29                                    | 1.83    | 1.52 (0.8-2.88)  | No reduction                            | —                        | 5                                |
| Gothenburg (23)                        | 39-49 | 12.7                     | 22/11,724  | 46/14,217  | 1.88                                    | 3.24    | 0.58 (0.35-0.96)                                       | 1.36                                    | 736                      | 7                                |
| Malmö (23)                             | 45-50 | 13.3                     | 53/13,568  | 66/12,279  | 3.91                                    | 5.38    | 0.73 (0.51-1.04)                                       | 1.47                                    | 681                      | 4                                |
| Swedish Two-County Trial (1)           | 40-49 | 13                       | 45/19,844  | 39/15,604  | 2.27                                    | 2.50    | 0.87 (0.54-1.41)                                       | 0.23                                    | 4316                     | 7-8                              |
| <b>Studies of mammography plus CBE</b> |       |                          |  |            |   |         |  |   |                          |                                  |
| CNBSS-1 (22)                           | 40-49 | 13                       | 105/25,214   | 108/25,216 | 4.16                                    | 4.28    | 0.97 (0.74-1.27)                                       | 0.12                                    | —                        | —                                |
| HIP (19, 27)                           | 40-49 | 14                       | 64/13,740  | 82/13,740  | 4.66                                    | 5.97    | 0.78 (0.56-1.08)                                       | 1.31                                    | 763                      | —                                |
| Edinburgh (18)                         | 45-49 | 13                       | 49/11,749  | 53/10,267  | 4.17                                    | 5.16    | 0.75 (0.48-1.18)                                       | 0.99                                    | 1008                     | 6-10                             |

\*Number needed to invite for screening to prevent one breast cancer death after 11-16 years.

Note: CBE indicates clinical breast examination; CNBSS, Canadian National Breast Cancer Screening Study; HIP, Health Insurance Plan of Greater New York.