

Table S1: Search strategy used to identify potentially relevant records in Medline and Embase databases

Database(s): Embase Classic+Embase 1947 to 2021 June 30, Ovid MEDLINE(R) ALL 1946 to June 30, 2021

1	exp Breast Neoplasms/
2	(breast adj3 (cancer* or tumour* or tumor* or carcinoma* or neoplasm* or screen*)).tw.
3	1 or 2
4	exp risk assessment/ or breast cancer risk assessment tool/
5	((risk* or susceptib* or predict*) adj6 (tool* or score* or model* or questionnaire* or instrument* or appraisal* or calculation* or calculator* or algorithm*)).tw.
6	risk factor* calculat*.tw.
7	(risk adj2 (assess* or predict*)).tw.
8	(observed* adj4 (expected* or predict* or assigned)).tw.
9	observed-to-expected.tw.
10	expected-to-observed.tw.
11	("E/O" or "O/E").tw.
12	(validat* or calibrat* or area under the curve or c-statistic or AUC or AUROC or receiver operat*).tw.
13	(clinical conference or conference or comment or editorial).tw.
14	(neoadjuvant or recurrent or recurrence or chemotherapy).tw.
15	4 or 5 or 6 or 7
16	8 or 9 or 10 or 11 or 12
17	3 and 15 and 16
18	17 not 13
19	18 not 14
20	limit 19 to (english language and humans and yr="2008 -Current")
21	remove duplicates from 20