

**Annex 2:** relationship between socioeconomic status (based on socioeconomic index) and breast cancer- explanatory variable selection criteria

Explanatory variables	Change in odds ratio	*P-value
Age	1.76	0.101
Study site	5.75	0.672
Ethnicity	1.06	0.314
Menopausal status	6.12	0.012
Parity	1.28	0.485
Lifetime duration of breast feeding	0.83	0.651
Age at first birth	10.7	0.361
Oral contraceptive use	2.49	0.707
Age at menarche	2.68	0.355
Body mass index	13.41	0.309
Physical activity	8.26	0.017
Family history of breast cancer	7.28	0.068
Alcohol intake	1.66	0.720
*Based on likelihood ratio		