

Body mass index in breast cancer

Table S1. Premenopausal patients recurrence risks (RRs)* with (95% confidence intervals, CIs) of breast cancer (BC) for height by estrogen receptor (ER) and progesterone receptor (PR) status

Breast cancer subtype	Number of cases	<1.55	1.55≤ <1.60	1.60≤ <1.65	1.65≤ <1.70	P-value, test for trend	P-value, test for between-studies heterogeneity, highest category
Overall	175	1.0417 (0.9927-1.1323)	1.0000	1.0645 (1.0005-1.1285)	1.0588 (0.9827-1.1937)	0.0714	0.361
ER+	142	1.0003 (0.7890-1.9990)	1.0000	1.0329 (1.0158-1.0955)	1.0769 (0.9661-1.2647)	0.0742	0.178
ER-	33	1.0310 (1.1180-1.7770)	1.0000	1.1818 (1.0429-1.4963)	0.7500 (0.421-0.9630)	0.0286	0.735
PR+	132	0.0913 (0.7720-0.9890)	1.0000	1.0408 (1.0229-1.0995)	1.1000 (0.8319-1.3681)	0.0708	0.224
PR-	43	1.3333 (1.0850-1.6510)	1.0000	1.1538 (1.0534-1.4081)	0.8180 (0.555-0.9750)	0.0317	0.643

Table S2. Postmenopausal patients RR*s* with (95% confidence intervals, CIs) of BC for height by ER and PR status

Breast cancer subtype	Number of cases	<1.55	1.55≤ <1.60	1.60≤ <1.65	1.65≤ <1.70	1.70≤ <1.75	P-value, test for trend	P-value, test for between-studies heterogeneity, highest category
Overall	183	1.2564 (1.2156-1.4510)	1.0000	1.0370 (1.0210-1.0901)	1.1000 (0.9319-1.3681)	0.7500 (0.4210-0.9630)	0.0040	0.237
ER+	107	1.2222 (1.1409-1.5514)	1.0000	1.0263 (0.9977-1.0812)	0.8000 (0.5180-0.9720)	0.0000	0.0167	0.584
ER-	76	1.2857 (1.0620-1.5094)	1.0000	1.0625 (0.9800-1.2075)	1.3750 (1.0990-1.7100)	0.7500 (0.4210-0.9630)	0.0023	0.750
PR+	74	1.2500 (1.1735-1.5765)	1.0000	1.0385 (0.9940-1.1214)	0.7140 (0.3590-0.9570)	0.0000	0.0039	0.982
PR-	109	1.2539 (1.0746-1.4439)	1.0000	1.0357 (0.9950-1.1122)	1.1429 (0.8000-1.6286)	0.7500 (0.4210-0.9630)	0.0039	0.358

Table S3. Premenopausal patients RR*s* with (95% confidence intervals, CIs) of BC for height by different BC subtypes

Breast cancer subtype	Number of cases	<1.55	1.55≤ <1.60	1.60≤ <1.65	1.65≤ <1.70	P-value, test for trend	P-value, test for between-studies heterogeneity, highest category
Luminal A	44	0.7780 (0.4730-0.9680)	1.0000	1.0476 (0.9898-1.1531)	1.3330 (1.0850-1.6510)	0.0531	0.804
Her-2+	23	1.4290 (1.1180-1.7770)	1.0000	1.2857 (0.9443-1.9128)	0.7500 (0.4210-0.9630)	0.0423	0.495
LuminalB (HER-2+)	31	0.7780 (0.4730-0.9680)	1.0000	0.8670 (0.6610-0.9820)	0.6670 (0.2840-0.9470)	0.0532	0.722
LuminalB (HER-2-)	45	0.8570 (0.640-0.9810)	1.0000	1.0833 (0.9582-1.2917)	0.7500 (0.4210-0.9630)	0.0535	0.883
Triple-Negative Breast Cancer	8						
In Situ Carcinoma	17	0.0000	1.0000	0.8180 (0.5550-0.9750)	0.6670 (0.2840-0.9470)	0.0125	0.918

Body mass index in breast cancer

Table S4. Postmenopausa patients RRs* with (95% confidence intervals, CIs) of BC for height by different BC subtypes

Breast cancer subtype	Number of cases	<1.55	1.55≤ <1.60	1.60≤ <1.65	1.65≤ <1.70	1.70≤ <1.75	P-value, test for trend	P-value, test for between-studies heterogeneity, highest category
Luminal A	25	0.7500 (0.4210-0.9630)	1.0000	1.1111 (0.9083-1.4251)	0.7140 (0.3590-0.9570)	0.0000	0.0768	0.237
Her-2+	35	1.2308 (1.1647-1.5276)	1.0000	1.0909 (0.9474-1.3253)	0.6670 (0.2840-0.9470)	0.7140 (0.3590-0.9570)	0.0255	0.253
LuminalB (HER-2+)	32	0.5000 (0.1840-0.8160)	1.0000	0.8570 (0.6400-0.9810)	0.7140 (0.3590-0.9570)	0.0000	0.0040	0.627
LuminalB (HER-2-)	33	1.2500 (1.0022-1.7478)	1.0000	0.9050 (0.7510-0.9880)	0.0000	0.0000	0.0178	0.803
Triple-Negative Breast Cancer	28	1.3333 (0.8624-1.8042)	1.0000	1.1429 (0.6571-1.6286)	0.5000 (0.1470-0.8530)	0.6000 (0.1940-0.9320)	0.0441	0.652
In Situ Carcinoma	9							

Table S5. Premenopausal patients RRs* with (95% confidence intervals, CIs) of breast cancer for BMI by ER and PR status

Breast cancer subtype	Number of cases	<21	21≤ <23	23≤ <25	25≤ <27	27≤ <30	30≤	P-value, test for trend	P-value, test for between-studies heterogeneity, highest category
Overall	175	1.0000	1.0909 (1.0002-1.1816)	1.0909 (1.0002-1.1816)	1.1481 (1.1466-1.2978)	1.1538 (1.0534-1.4081)	0.7140 (0.3590-0.9570)	0.0990	0.805
ER+	142	1.0000	1.0294 (0.9969-1.0913)	1.1081 (1.1080-1.2163)	1.0526 (0.9869-1.1710)	1.2000 (1.0425-1.5575)	0.6670 (0.2840-0.9470)	0.0061	0.241
ER-	33	1.0000	1.3000 (1.1904-1.7096)	0.8180 (0.5550-0.9750)	1.3750 (1.1935-1.9315)	0.7140 (0.3590-0.9570)	0.0000	0.0221	0.221
PR+	132	1.0000	1.0303 (0.9967-1.0942)	1.1081 (1.1080-1.2163)	1.0625 (0.9800-1.2075)	1.1111 (0.9083-1.4251)	0.0000	0.0138	0.721
PR-	43	1.0000	1.2727 (1.1823-1.6358)	0.8180 (0.5550-0.9750)	1.2727 (1.1823-1.6358)	1.3750 (1.0990-1.7100)	0.7500 (0.2840-0.9470)	0.0662	0.569

Table S6. Postmenopausa patients RRs* with (95% confidence intervals, CIs) of breast cancer for BMI by ER and PR status

Breast cancer subtype	Number of cases	<21	21≤ <23	23≤ <25	25≤ <27	27≤ <30	30≤	P-value, test for trend	P-value, test for between-studies heterogeneity, highest category
Overall	183	1.0000	1.2157 (1.0963-1.3350)	1.1131 (1.0232-1.2032)	1.2059 (1.0578-1.3540)	1.0714 (0.9719-1.2423)	1.6000 (1.1940-1.9320)	0.0772	0.158
ER+	107	1.0000	1.0667 (1.0349-1.1652)	1.0385 (0.994-1.1214)	1.1667 (1.1283-1.3718)	1.2500 (0.9905-1.5095)	0.8460 (0.6150-0.9790)	0.0703	0.229
ER-	76	1.0000	1.4286 (1.1835-1.6736)	1.1852 (1.0215-1.3488)	1.2500 (1.2405-1.5095)	1.3333 (1.0850-1.6510)	0.0000	0.0881	0.379
PR+	74	1.0000	1.1667 (1.1283-1.3718)	0.9050 (0.7510-0.9880)	1.1765 (1.1344-1.3950)	0.8180 (0.5550-0.9750)	0.0000	0.0978	0.152
PR-	109	1.0000	1.2424 (1.0826-1.4022)	1.1667 (1.0836-1.3554)	1.2353 (1.2274-1.4784)	1.1429 (0.8000-1.6286)	0.6670 (0.2840-0.9470)	0.0620	0.422

Body mass index in breast cancer

Table S7. Premenopausal patients RRs* with (95% confidence intervals, CIs) of BC for BMI by different BC subtypes

Breast cancer subtype	Number of cases	<21	21≤ <23	23≤ <25	25≤ <27	27≤ <30		P-value, test for trend	P-value, test for between-studies heterogeneity, highest category
Luminal A	44	1.0000	0.8670 (0.6610-0.9820)	1.2000 (1.1484-1.4516)	0.7500 (0.4210-0.9630)	0.7140 (0.3590-0.9570)		0.0591	0.511
Her-2+	23	1.0000	1.4286 (1.1702-2.5442)	0.7500 (0.4210-0.9630)	1.3333 (0.8005-2.5328)	1.2630 (1.0970-1.4760)		0.0724	0.487
LuminalB (HER-2+)	31	1.0000	0.8000 (0.5180-0.9720)	0.8000 (0.5180-0.9720)	0.7140 (0.3590-0.9570)	1.4290 (1.1180-1.7770)		0.0115	0.317
LuminalB (HER-2-)	45	1.0000	1.0667 (0.9756-1.2236)	1.2730 (1.0670-1.5560)	1.2730 (1.0670-1.5560)	1.3750 (1.0990-1.7100)		0.0188	0.423
Triple-Negative Breast Cancer	8	1.0000							
In Situ Carcinoma	17	1.0000	0.7140 (0.3590-0.9570)	0.8180 (0.5550-0.9750)	0.7500 (0.4210-0.9630)	0.0000		0.0620	0.199

Table S8. Postmenopausa patients RRs* with (95% confidence intervals, CIs) of BC for BMI by different BC subtypes

Breast cancer subtype	Number of cases	<21	21≤ <23	23≤ <25	25≤ <27	27≤ <30	30≤	P-value, test for trend	P-value, test for between-studies heterogeneity, highest category
Luminal A	25	1.0000	0.7140 (0.3590-0.9570)	0.8000 (0.5180-0.9720)	1.1667 (0.6484-1.8514)	0.7140 (0.3590-0.9570)	0.0000	0.0690	0.527
Her-2+	35	1.0000	1.5455 (1.1395-1.9514)	1.1667 (1.1283-1.3718)	1.3333 (1.1957-1.8042)	0.0000	0.0000	0.0968	0.275
LuminalB (HER-2+)	32	1.0000	1.0909 (0.8565-1.3253)	0.8330 (0.5870-0.9770)	1.3750 (1.0990-1.7100)	0.6670 (0.2840-0.9470)	0.0000	0.0714	0.445
LuminalB (HER-2-)	33	1.0000	1.0909 (0.8565-1.3253)	1.1429 (0.8000-1.6286)	1.3750 (1.0990-1.7100)	0.7500 (0.4210-0.9630)	0.0000	0.0653	0.490
Triple-Negative Breast Cancer	28	1.0000	1.1667 (0.6486-1.8514)	1.2500 (0.7522-1.7478)	1.3750 (1.0990-1.7100)	1.4290 (1.1180-1.7770)	0.0000	0.0545	0.715
In Situ Carcinoma	9								