

**Supplemental Table 1. Associations of types of baseline and 6-month follow-up moderate-vigorous physical activity with BMD-defined osteoporosis in participants treated with aromatase inhibitors**

BASELINE	Osteoporosis	No	Unadjusted model*	Age adjusted model*	Fully adjusted model*†
		Osteoporosis	HR (95% CI)	HR (95% CI)	HR (95% CI)
<b>Aerobic Exercise (min/wk)</b>					
Tertile 1 (4-68)	54	345	0.97 (0.65, 1.46)	0.99 (0.66, 1.49)	1.38 (0.91, 2.10)
Tertile 2 (69-180)	57	320	1.00 (0.67, 1.50)	1.11 (0.74, 1.66)	1.33 (0.88, 2.01)
Tertile 3 (181-1,838)	41	252	1.00	1.00	1.00
p for trend			0.88	0.94	0.14
<b>Aerobic Exercise (min/wk)</b>					
median (range) = 113 (4-1,838)					
None‡	86	496	0.87 (0.63, 1.21)	1.07 (0.77, 1.48)	1.32 (0.94, 1.85)
<150 minutes/week	89	541	0.98 (0.71, 1.35)	1.01 (0.73, 1.39)	1.20 (0.87, 1.67)
≥150 minutes/week	63	376	1.00	1.00	1.00
<b>Resistance Exercise (min/wk)</b>					
median (range) = 68 (4-540)					
None‡	142	885	0.83 (0.59, 1.16)	0.84 (0.6, 1.18)	1.01 (0.71, 1.43)
Below median	53	303	1.07 (0.71, 1.6)	0.93 (0.62, 1.39)	0.98 (0.65, 1.47)
Above median	43	224	1.00	1.00	1.00
<b>Weight-training Exercise (min/wk)</b>					
median (range) = 34 (4-450)					
None‡	194	1158	0.75 (0.48, 1.15)	0.8 (0.52, 1.23)	0.97 (0.62, 1.51)
Below median	21	148	0.77 (0.42, 1.39)	0.71 (0.39, 1.29)	0.74 (0.41, 1.35)
Above median	23	105	1.00	1.00	1.00
6-MONTH FOLLOW-UP	Osteoporosis	No	Unadjusted model*	Age adjusted model*	Fully adjusted model*†
		Osteoporosis	HR (95% CI)	HR (95% CI)	HR (95% CI)
<b>Aerobic Exercise (min/wk)</b>					
Tertile 1 (4-68)	31	232	0.61 (0.37, 1.01)	0.72 (0.43, 1.19)	0.90 (0.54, 1.51)
Tertile 2 (69-180)	30	210	0.65 (0.39, 1.07)	0.72 (0.44, 1.20)	0.75 (0.45, 1.26)
Tertile 3 (181-1,260)	30	147	1.00	1.00	1.00
p for trend			0.07	0.21	0.71

**Aerobic Exercise (min/wk)**

median (range) = 101 (4-1,260)

None‡	75	395	1.00 (0.68, 1.48)	1.18 (0.80, 1.75)	1.52 (1.01, 2.27)
<150 minutes/week	53	360	0.87 (0.57, 1.32)	0.95 (0.63, 1.45)	1.12 (0.74, 1.71)
≥150 minutes/week	38	229	1.00	1.00	1.00

**Resistance Exercise (min/wk)**

median (range) = 68 (4-540)

None‡	104	637	0.92 (0.59, 1.44)	0.99 (0.63, 1.54)	1.24 (0.79, 1.96)
Below median	38	191	1.24 (0.75, 2.07)	1.23 (0.74, 2.05)	1.31 (0.78, 2.19)
Above median	24	144	1.00	1.00	1.00

**Weight-training Exercise (min/wk)**

median (range) = 34 (4-270)

None‡	134	823	0.95 (0.49, 1.87)	1.1 (0.56, 2.17)	1.45 (0.73, 2.89)
Below median	19	84	1.55 (0.7, 3.43)	1.63 (0.74, 3.6)	1.72 (0.78, 3.82)
Above median	9	57	1.00	1.00	1.00

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\*Royston-Parmar proportional hazards models using interval censoring with follow-up until osteoporosis, disenrollment from health plan, death, or end of study, whichever occurred first

†Adjusted for age, menopausal status, race/ethnicity, BMI, AJCC stage, breast cancer treatment, prior major osteoporotic fracture

‡Includes never or less than once per month