

Table 2b. Models of 1-year Physical Function (Physical Component Score of SF-12)

	Initial Model built on OAI and tested on MOST	F1. model (from pooled MOST+OAI)	F2. model (from 4-source data)
<i>Adjusted R-square (range from 10 imputed datasets)</i>	<i>0.42(OAI), 0.18 (MOST)</i>	<i>0.35</i>	<i>0.34</i>
		<i>Beta Coeff(stderr) p-value</i>	<i>Beta Coeff(stderr) p-value</i>
Model Intercept (constant)	5.49 (8.70) p=0.5337	25.84(5.15) p=<.0001	17.40(4.27) p=<.0001
Treatment (1=TKR, 0=control)	3.43 (1.00) p=0.0017	2.58(0.74) p=0.0008	25.41(4.33) p=<.0001
Gender (1=male, 0=female)	1.25 (0.95) p=0.1961	1.60(0.75) p=0.037	0.99(0.57) p=0.0873
Age (in years)	-0.11 (0.04) p=0.0080	-0.13(0.04) p=0.0017	-0.05(0.04) p=0.2397
SF-12 mental component [base]	0.32 (0.10) p=0.0058	0.12(0.05) p=0.0196	0.19(0.04) p=<.0001
SF-12 physical component [base]	0.65 (0.06) p=<.0001	0.57(0.04) p=<.0001	0.55(0.03) p=<.0001
Body mass index [base], kg/m ²		-0.16(0.08) p=0.0664	-0.19(0.05) p=0.0008
Charlson Comorbidity Score >=1 (vs. 0)			-2.05(0.60) p=0.0009
Interaction: hadTKR*age			-0.15(0.06) p=0.0084
Interaction: hadTKR*SF-12 mental score			-0.18(0.06) p=0.0013
WOMAC [base] contralat knee pain	-0.05 (0.03) p=0.1335	-0.07(0.02) p=0.0033	
Homunculus (% of sites positive)	-0.19 (0.06) p=0.0059		
Hip Pain (1=yes, 0=no)	3.90 (1.03) p=0.0003		