

Supplementary Table 1

Final Table for GLMM						
Variable	Adjusted Mean Ratio for ASES (95% CI)	ASES <i>p</i>-value	Adjusted Mean Ratio for SPADI (95% CI)	SPADI <i>p</i>-value	Adjusted Mean Ratio for MHI (95% CI)	MHI <i>p</i>-value
HRT: No vs Yes	1.067 (0.711 - 1.602)	0.753	1.063 (0.673 - 1.678)	0.795	0.957 (0.840 - 1.089)	0.505
Treatment: Surgery vs Non-op	0.884 (0.614 - 1.271)	0.505	0.684 (0.461 - 1.015)	0.059	0.961 (0.860 - 1.072)	0.474
Visit (month)	0.840 (0.816 - 0.866)	<0.001	0.814 (0.789 - 0.838)	<0.001	1.006 (1.001 - 1.011)	0.019
Baseline BMI	1.012 (0.987 - 1.038)	0.355	1.025 (0.996 - 1.055)	0.092	1.002 (0.994 - 1.010)	0.598
Age	1.019 (0.995 - 1.043)	0.129	1.014 (0.988 - 1.040)	0.295	1.004 (0.997 - 1.011)	0.295
Daily shoulder use at work: Heavy/Moderate vs Light/No manual labor	1.110 (0.733 - 1.682)	0.622	1.430 (0.909 - 2.248)	0.121	0.964 (0.853 - 1.089)	0.557
Alcohol use: 2-3x/month or less vs 1-2x/week or more	1.284 (0.804 - 2.049)	0.295	1.381 (0.813 - 2.344)	0.232	0.961 (0.837 - 1.103)	0.574
Number of comorbidities >1 vs ≤1	1.191 (0.876 - 1.620)	0.266	1.219 (0.865 - 1.718)	0.257	0.911 (0.829 - 1.001)	0.052
Number of tears: 2-3 vs 0-1	1.706 (1.175 - 2.476)	0.005	1.808 (1.200 - 2.725)	0.005	0.984 (0.877 - 1.106)	0.792
Smoking status: Past/current vs Never	1.394 (0.796 - 2.442)	0.246	1.808 (0.953 - 3.431)	0.07	0.908 (0.771 - 1.071)	0.254
Trauma: Yes vs No	1.466 (0.986 - 2.180)	0.058	1.285 (0.843 - 1.959)	0.244	0.966 (0.855 - 1.092)	0.585