

Supplementary Table 5. Statistical comparisons to determine differences between acute and chronic pain groups:

Variables in gray met significance criteria. Comparisons were performed with the Kruskal Wallis test. Post-hoc comparisons were performed with the Wilcoxon Rank Sum test. P values displayed here have not been adjusted.

Variable	Description	% Complete	P value	Fold Change Acute vs. Chronic
V00PCTALCH	Block Brief 2000: daily percent of calories from alcoholic beverages (kcal) (calc)	100.0	5.4E-05	2.57
V00HSPSS	SF-12: physical summary scale for the MOS 12-item short-form health survey (SF-12) v2 (calc)	98.1	4.7E-06	1.31
P01BPTOT	Total days in bed and/or limited activity due to back pain, past 30 days (calc)	100.0	2.7E-04	0.82
V00TIMET2	Q2.20-meter walk: trial 2 time to complete (sec.hundredths/sec)	99.5	4.0E-04	1.19
V0020MPACE	20-meter walk: pace (m/sec) (calc)	99.5	4.5E-04	0.87
V00TIMET1	Q1.20-meter walk: trial 1 time to complete (sec.hundredths/sec)	99.5	1.0E-03	0.86
P01BPDAYCV	How many days limit activities due to back pain, past 30 days (calc)	100.0	2.7E-03	0.81
V00STEPST2	Q2.20-meter walk: trial 2 number of steps	99.5	4.7E-03	0.91
V00400MTIM	400-meter walk: total time at 400-m or at stop (sec) (calc)	94.4	4.8E-03	0.88
P01BMI	Body mass index (calc)	100.0	4.8E-03	1.11
V00STEPST1	Q1.20-meter walk: trial 1 number of steps	99.5	7.1E-03	0.91
V00ABCIRC	Abdominal circumference (cm) (calc)	98.6	8.6E-03	1.07
V00COMORB	Comorbidity Score (calc)	99.1	1.5E-02	2.71
V00FIBBEAN	Block Brief 2000: daily dietary fiber from beans (g) (calc)	100.0	2.2E-02	0.82
V00WTMAXKG	Maximum adult weight, self-reported (kg) (calc)	98.6	3.4E-02	1.08
P01WEIGHT	Current scale weight (kg) (calc)	100.0	3.4E-02	1.09
V00DTCARB	Block Brief 2000: daily nutrients from food, carbohydrate (g) (calc)	100.0	3.6E-02	0.86
V00SUPZINC	Block Brief 2000: average daily nutrients from vitamin supplements, zinc (mg) (calc)	100.0	3.8E-02	1.73
V00CESD	CES-D: Center for Epidemiologic Studies Depression Scale (CES-D) Score (calc)	99.5	4.2E-02	0.77
V00SRVGRN	Block Brief 2000: daily servings of bread, cereals, rice and pasta (calc)	100.0	4.7E-02	1.14
V00SUPVITA	Block Brief 2000: average daily nutrients from vitamin supplements, vitamin A (IU) (calc)	100.0	5.0E-02	1.57
V00SRVFAT	Block Brief 2000: daily servings of fats, oils, sweets and sodas (calc)	100.0	5.1E-02	0.80
V00DTLIN	Block Brief 2000: daily nutrients from food, polyunsaturated fat (g) (calc)	100.0	5.9E-02	1.20
V00BAPPROT	Block Brief 2000: daily percent of calories from protein, alcoholic beverages excluded from denominator (kcal) (calc)	100.0	6.1E-02	1.10

V00PCTSWT	Block Brief 2000: daily percent of calories from sweets, desserts (kcal) (calc)	100.0	6.3E-02	0.75
V00SUPFE	Block Brief 2000: average daily nutrients from vitamin supplements, iron (mg) (calc)	100.0	6.6E-02	1.64
V00CSPACE	Repeated chair stand: pace in stands/sec (calc)	96.3	8.1E-02	0.83
V00SUPCU	Block Brief 2000: average daily nutrients from vitamin supplements, copper (mg) (calc)	100.0	8.1E-02	1.42
V00SUPMG	Block Brief 2000: average daily nutrients from vitamin supplements, magnesium (mg) (calc)	100.0	8.1E-02	0.70
V00SUPBCAR	Block Brief 2000: average daily nutrients from vitamin supplements, beta-carotene (ug) (calc)	100.0	8.1E-02	1.84
V00RX30NUM	Q49a.MIF: total number of medications recorded	95.8	8.4E-02	1.26
V00WKHR7CV	Occupational activities: number of hours worked, past 7 days (calc)	100.0	1.0E-01	0.71
V00DTSFAT	Block Brief 2000: daily nutrients from food, saturated fat (g) (calc)	100.0	1.1E-01	1.14
V00DTB6	Block Brief 2000: daily nutrients from food, vitamin B6 (mg) (calc)	100.0	1.1E-01	1.14
V00SUPB1	Block Brief 2000: average daily nutrients from vitamin supplements, B1 (mg) (calc)	100.0	1.1E-01	1.15
V00SUPB2	Block Brief 2000: average daily nutrients from vitamin supplements, B2 (mg) (calc)	100.0	1.1E-01	0.86
V00SUPNIAC	Block Brief 2000: average daily nutrients from vitamin supplements, niacin (mg) (calc)	100.0	1.1E-01	1.17
V00SUPVITD	Block Brief 2000: average daily nutrients from vitamin supplements, vitamin D (IU) (calc)	100.0	1.1E-01	1.36
V00SUPB12	Block Brief 2000: average daily nutrients from vitamin supplements, B12 (ug) (calc)	100.0	1.1E-01	0.79
V00DTFAT	Block Brief 2000: daily nutrients from food, total fat (g) (calc)	100.0	1.2E-01	1.15
V00SUPB6	Block Brief 2000: average daily nutrients from vitamin supplements, B6 (mg) (calc)	100.0	1.2E-01	1.24
V00DTKCAL	Block Brief 2000: daily nutrients from food, calories (Kcal) (calc)	100.0	1.3E-01	1.11
V00DTOLEC	Block Brief 2000: daily nutrients from food, monounsaturated fat (g) (calc)	100.0	1.3E-01	0.87
V00DTB1	Block Brief 2000: daily nutrients from food, thiamin (B1) (mg) (calc)	100.0	1.4E-01	1.13
V00FIBGRN	Block Brief 2000: daily dietary fiber from grains (g) (calc)	100.0	1.5E-01	1.14
V00DTNIAC	Block Brief 2000: daily nutrients from food, niacin (mg) (calc)	100.0	1.5E-01	1.16

V00CSTIME1	Repeated chair stands: trial 1 time (sec.hundredths/sec)	96.3	1.6E-01	0.85
V00DTFOL	Block Brief 2000: daily nutrients from food, folate (mcg) (calc)	100.0	1.6E-01	0.91
V00DTMG	Block Brief 2000: daily nutrients from food, magnesium (mg) (calc)	100.0	1.7E-01	1.10
V00DTNA	Block Brief 2000: daily nutrients from food, sodium (mg) (calc)	100.0	1.8E-01	1.13
V00DTFE	Block Brief 2000: daily nutrients from food, iron (mg) (calc)	100.0	1.8E-01	0.87
V00SUPSE	Block Brief 2000: average daily nutrients from vitamin supplements, selenium (mcg) (calc)	100.0	1.9E-01	1.05
V00DTPOTA	Block Brief 2000: daily nutrients from food, potassium (mg) (calc)	100.0	1.9E-01	0.92
V00PCTCARB	Block Brief 2000: daily percent of calories from carbohydrate (kcal) (calc)	100.0	2.0E-01	0.93
V00CSTIME2	Repeated chair stands: trial 2 time (sec.hundredths/sec)	94.0	2.2E-01	0.91
V00SUPVITC	Block Brief 2000: average daily nutrients supplements, vitamin C (mg) (calc)	100.0	2.2E-01	0.88
V00DTCAFFN	Block Brief 2000: daily nutrients from food, caffeine (mg) (calc)	100.0	2.2E-01	1.68
V00DTCYST	Block Brief 2000: daily nutrients from food, cysteine (mg) (calc)	100.0	2.3E-01	1.10
V00DTVITE	Block Brief 2000: daily nutrients from food, vitamin E a-TE (calc)	100.0	2.3E-01	1.13
V00SRVFRT	Block Brief 2000: daily servings of fruits and fruit juices (calc)	100.0	2.3E-01	0.90
V00400MTR	400-meter walk: total meters walked (calc)	94.4	2.3E-01	1.05
V00DTRIBO	Block Brief 2000: daily nutrients from food, riboflavin (B2) (mg) (calc)	100.0	2.5E-01	1.14
V00DTPHOS	Block Brief 2000: daily nutrients from food, phosphorus (mg) (calc)	100.0	2.6E-01	1.12
V00DTRET	Block Brief 2000: daily nutrients from food, retinol (preformed Vit. A, ug) (calc)	100.0	2.8E-01	1.21
V00DTCRYP	Block Brief 2000: daily nutrients from food, cryptoxanthin (carotenoid) (ug) (calc)	100.0	2.9E-01	1.05
V00DTDFIB	Block Brief 2000: daily nutrients from food, total dietary fiber (g) (calc)	100.0	3.2E-01	1.04
V00DTCALC	Block Brief 2000: daily nutrients from food, calcium (mg) (calc)	100.0	3.3E-01	1.18
V00DTPROT	Block Brief 2000: daily nutrients from food, protein (g) (calc)	100.0	3.5E-01	0.92
V00DTLYC	Block Brief 2000: daily nutrients from food, lycopene (carotenoid) (ug) (calc)	100.0	3.5E-01	0.95
V00HR400WK	400-meter walk: heart rate at 400-m or at stop	94.4	3.6E-01	0.96
V00DTZINC	Block Brief 2000: daily nutrients from food, zinc (mg) (calc)	100.0	3.7E-01	1.12
V00DTSF	Block Brief 2000: grams of solid food (g), per week (calc)	100.0	3.8E-01	1.04

V00SUPVITE	Block Brief 2000: average daily nutrients from vitamin supplements, vitamin E (a-TE) (calc)	100.0	4.1E-01	1.15
V00PCTFAT	Block Brief 2000: daily percent of calories from fat (kcal) (calc)	100.0	4.3E-01	1.02
V00SRVDRY	Block Brief 2000: daily servings of milk, yogurt and cheese (calc)	100.0	4.3E-01	0.77
V00BAPCARB	Block Brief 2000: daily percent of calories from carbohydrate, alcoholic beverages excluded from denominator (kcal) (calc)	100.0	4.3E-01	1.06
V00SUPFOL	Block Brief 2000: average daily nutrients from vitamin supplements, folate (mcg) (calc)	100.0	4.3E-01	0.88
V00DTBCAR	Block Brief 2000: daily nutrients from food, beta-carotene (ug) (calc)	100.0	4.5E-01	1.05
V00HT25MM	Height at age 25, self-reported (mm) (calc)	97.7	4.6E-01	1.01
V00PCTPROT	Block Brief 2000: daily percent of calories from protein (kcal) (calc)	100.0	4.6E-01	0.95
V00DTANZN	Block Brief 2000: daily nutrients from food, zinc from animal sources (mg) (calc)	100.0	4.9E-01	0.94
V00PASE	Physical Activity Scale for the Elderly (PASE) score (calc)	100.0	4.9E-01	0.94
P01HEIGHT	Average height (mm) (calc)	99.1	5.1E-01	1.01
V00DTARE	Block Brief 2000: daily nutrients from food, vitamin A (RE) (calc)	100.0	5.1E-01	1.03
V00WT25KG	Weight at age 25, self-reported (kg) (calc)	99.5	5.2E-01	1.05
V00DTMETH	Block Brief 2000: daily nutrients from food, methionine (mg) (calc)	100.0	5.3E-01	0.95
P01BPBEDCV	How many days stay in bed due to back pain, past 30 days (calc)	99.5	5.6E-01	0.57
V00RPAVG	Radial pulse: average beats per minute	100.0	5.9E-01	0.99
V00DTVITC	Block Brief 2000: daily nutrients from food, vitamin C (mg) (calc)	100.0	6.0E-01	0.99
V00DTAIU	Block Brief 2000: daily nutrients from food, vitamin A (IU) (calc)	100.0	6.0E-01	0.94
V00SMKPKYR	Pack-years of smoking cigarettes (calc)	97.7	6.2E-01	0.76
V00BPSYS	Q6.Blood pressure: systolic (mm Hg)	100.0	6.2E-01	1.00
V00DTPROA	Block Brief 2000: daily nutrients from food, carotene, provitamin A carotenoids (ug) (calc)	100.0	6.2E-01	1.10
V00SRVMEAT	Block Brief 2000: daily servings of meat, fish, poultry, beans and eggs (calc)	100.0	6.8E-01	1.02
V00BPDIAS	Q6.Blood pressure: diastolic (mm Hg)	100.0	7.2E-01	0.99
V00DTB12	Block Brief 2000: daily nutrients from food, vitamin B12 (ug) (calc)	100.0	7.4E-01	0.92
V00RLWGT	Q5.Isometric strength: right leg weight (N)	92.1	7.8E-01	0.98
V00DTCHOL	Block Brief 2000: daily nutrients from food, cholesterol (mg) (calc)	100.0	8.0E-01	1.07
V00BAPFAT	Block Brief 2000: daily percent of calories from fat, alcoholic beverages excluded from denominator (kcal) (calc)	100.0	8.0E-01	0.97

V00HSMSS	SF-12: mental summary scale for the MOS 12-item short-form health survey (SF-12) v2 (calc)	98.1	8.1E-01	0.99
V00AGE	Age (calc, used for study eligibility)	100.0	8.8E-01	1.01
V00DTVITK	Block Brief 2000: daily nutrients from food, vitamin K (ug) (calc)	100.0	8.9E-01	1.17
V00WTMINKG	Minimum adult weight, self-reported (kg) (calc)	99.5	8.9E-01	1.00
V00LLWGT	Q16.Isometric strength: left leg weight (N)	92.1	8.9E-01	0.99
V00DTACAR	Block Brief 2000: daily nutrients from food, alpha-carotene (ug) (calc)	100.0	9.1E-01	0.91
V00DTVITD	Block Brief 2000: daily nutrients from food, vitamin D (IU) (calc)	100.0	9.3E-01	1.13
V00FIBVGFR	Block Brief 2000: daily dietary fiber from vegetables and fruits (g) (calc)	100.0	9.3E-01	1.07
V00DTLUT	Block Brief 2000: daily nutrients from food, lutein (carotenoid) (ug) (calc)	100.0	9.6E-01	0.90
V00PSMKYR	Years of smoking pipe, cigars or cigarillos (calc)	95.3	9.7E-01	1.44
V00SRVVEG	Block Brief 2000: daily servings of vegetables (calc)	100.0	9.7E-01	0.88
V00HRB4WLK	400-meter walk: heart rate before walk	94.9	9.8E-01	1.00
V00SUPCA	Block Brief 2000: average daily nutrients from vitamin supplements, calcium (mg) (calc)	100.0	9.9E-01	1.21
V00NUMSTOP	Q4.400-meter walk: total number rest stops	94.4	6.6E-02	NA
V00DTDAID	Block Brief 2000: daily nutrients from food, daidzein (ug) (calc)	100.0	1.7E-01	NA
V00DTGEN	Block Brief 2000: daily nutrients from food, genistein (ug) (calc)	100.0	1.7E-01	NA