**Appendix Table F44. Association between self reported health outcomes and poor functional status**

| **Author, year****Study characteristics** | **Adjustment** | **Intermediate outcome** | **Clinical outcome** | **Regression model** | **Regression coefficient (95% CI)** |
| --- | --- | --- | --- | --- | --- |
| Thomas, 2008373Country: UKAge: >50Sample: 621 | Unadjusted | Self-reported swelling in past month: Yes vs. No | Poor WOMAC functional outcome | Cox regression | **1.27 (1.03; 1.56)** |
| Thomas, 2008373Country: UKAge: >50Sample: 621 | Unadjusted | Self-reported dramatic swelling: Yes vs. No | Poor WOMAC functional outcome | Cox regression | 1.09 (0.83; 1.44) |
| Thomas, 2008373Country: UKAge: >50Sample: 621 | BMI, age, chronic pain grade, inactivity gelling, bilateral knee pain, duration of morning stiffness, local tender point count, single-leg standing balance, prevalent knee radiographic OA | Anxiety (0-21): Possible (8-11) vs. none (0-7) | Poor WOMAC functional outcome | Cox regression | **1.29 (1.01; 1.64)** |
| Thomas, 2008373Country: UKAge: >50Sample: 621 | BMI, age, chronic pain grade, inactivity gelling, bilateral knee pain, duration of morning stiffness, local tender point count, single-leg standing balance, prevalent knee radiographic OA | Anxiety (0-21): Probable (12-21) vs. none (0-7) | Poor WOMAC functional outcome | Cox regression | 1.31 (0.94; 1.82) |
| Rejeski, 1998369Country: U.S.Age: NRSample: 439 | Baseline knee pain, 18-month knee pain, 18-month self-efficacy, baseline stair climb time | Baseline Self-efficacy | Effect of treatment on stair climb time | Linear | **0.02 (0.001; 0.04)** |
| Wolfe, 1999386Country: U.S.Age: NRSample: 625 | Age, sex | Depression | WOMAC: Physical function | Linear | **3.30 (1.85; 4.75)** |
| Wolfe, 1999386Country: U.S.Age: NRSample: 625 | Age, sex | Depression | WOMAC: Stiffness | Linear | **0.27 (0.07; 0.47)** |
| Wolfe, 1999386Country: U.S.Age: NRSample: 625 | Age, sex | Fatigue | WOMAC: Stiffness | Linear | **2.19 (1.64; 2.74)** |
| Wolfe, 1999386Country: U.S.Age: NRSample: 625 | Age, sex | Fatigue | WOMAC: Physical function | Linear | **17.58 (13.62; 21.54)** |
| Sharma, 2003377Country: U.S.Age: NRSample: 257 | Age, BMI, knee pain intensity, and disease severity (higher K/L grade of the 2 knees) | Mental health score (SF-36 mental health) | WOMAC: Physical function  | Logistic | **0.58/5 points (0.39; 0.86)** |
| Sharma, 2003377Country: U.S.Age: NRSample: 257 | Age, BMI, knee pain intensity, and disease severity (higher K/L grade of the 2 knees) | Role functioning emotional score (SF-36 role emotional) | Chair-stand performance (Time required for 5 repetitions of rising from a chair and sitting down, using the protocol. | Logistic | 0.99/1 unit (0.75; 1.32) |
| Sharma, 2003377Country: U.S.Age: NRSample: 257 | Age, BMI, knee pain intensity, and disease severity (higher K/L grade of the 2 knees) | Self-efficacy score (Arthritis Self-Efficacy Scale) | WOMAC: Physical function  | Logistic | **0.80/5 points (0.65; 0.98)** |
| Sharma, 2003377Country: U.S.Age: NRSample: 257 | Age, BMI, knee pain intensity, and disease severity (higher K/L grade of the 2 knees) | Self-efficacy score (Arthritis Self-Efficacy Scale) | Chair-stand performance (Time required for 5 repetitions of rising from a chair and sitting down, using the protocol  | Logistic | 0.86/5 points (0.68; 1.09) |
| Sharma, 2003377Country: U.S.Age: NRSample: 257 | Age, BMI, knee pain intensity, and disease severity (higher K/L grade of the 2 knees) | Social support score (Medical Outcomes Study Social Support Survey) | WOMAC: Physical function  | Logistic | **0.85/10 points (0.73; 0.98)** |
| O’Reilly, 1998380Country: UKAge: >40Sample: 300 each of cases and controls | Age, sex, BMI, depression, MVC, activation (%), radiographic score | Anxiety: HAD score >=8 vs. <8 | Disability (WOMAC function score >19) | Logistic | 1.91 (0.89; 4.05) |
| O’Reilly, 1998380Country: UKAge: >40Sample: 300 each of cases and controls | Age, sex, BMI, depression, MVC, activation (%), radiographic score | Anxiety: HAD score >=8 vs. <8 | Disability (SF-36 function score <90) | Logistic | 2.04 (0.95; 4.36) |
| O’Reilly, 1998380Country: UKAge: >40Sample: 300 each of cases and controls | Age, sex, BMI, depression, MVC, activation, radiographic score | Anxiety | WOMAC: Physical function | Linear | **0.43 (0.08; 0.78)** |
| O’Reilly, 1998380Country: UKAge: >40Sample: 300 each of cases and controls | Age, sex, BMI, anxiety, MVC, activation (%), radiographic score | Depression: HAD score ≥8 vs. <8 | Disability (WOMAC function score >19) | Logistic | **6.15 (2.10; 17.98)** |
| O’Reilly, 1998380Country: UKAge: >40Sample: 300 each of cases and controls | Age, sex, BMI, anxiety, MVC, activation (%), radiographic score | Depression: HAD score ≥8 vs. <8 | Disability (SF-36 function score <90) | Logistic | 8.27 (0.91; 83.94) |
| O’Reilly, 1998380Country: UKAge: >40Sample: 300 each of cases and controls | Age, sex, BMI, anxiety, MVC, activation, radiographic score | Depression | WOMAC: Physical function | Linear | **2.15 (2.01; 2.29)** |
| Riddle, 2011389Country: U.S.Age: >45Sample: 3,407 | Baseline outcome score in quartiles, sex, gender, race, comorbidity, income, knee OA status, BMI, presence of generalized OA, longest knee pain duration, history of knee injury, PASE score, most severe varus/valgus alignment, weakest knee extensor strength, most severe knee flexor contracture, time | Time\*Center for Epidemiologic Studies Depression Scale depression score | WOMAC: Pain | Linear | **0.02 (0.01 to 0.03)** |
| Riddle, 2011389Country: U.S.Age: >45Sample: 3,407 | Baseline outcome score in quartiles, sex, gender, race, comorbidity, income, knee OA status, BMI, presence of generalized OA, longest knee pain duration, history of knee injury, PASE score, most severe varus/valgus alignment, weakest knee extensor strength, most severe knee flexor contracture, time | Time\*Center for Epidemiologic Studies Depression Scale depression score | WOMAC Disability | Linear | **0.05 (0.02 to 0.09)** |
| Riddle, 2011389Country: U.S.Age: >45Sample: 3,407 | Baseline outcome score in quartiles, sex, gender, race, comorbidity, income, knee OA status, BMI, presence of generalized OA, longest knee pain duration, history of knee injury, PASE score, most severe varus/valgus alignment, weakest knee extensor strength, most severe knee flexor contracture, time | Time\*Center for Epidemiologic Studies Depression Scale depression score | 20-m Walk | Linear | **-0.001 (-0.001 to -0.0004)** |
| Riddle, 2011389Country: U.S.Age: >45Sample: 3,407 | Baseline outcome score in quartiles, sex, gender, race, comorbidity, income, knee OA status, BMI, presence of generalized OA, longest knee pain duration, history of knee injury, PASE score, most severe varus/valgus alignment, weakest knee extensor strength, most severe knee flexor contracture, time | Time\*Center for Epidemiologic Studies Depression Scale depression score | Repeated chair stand | Linear | **-0.001 (-0.001 to -0.0001)** |
| Riddle, 2011389Country: U.S.Age: >45Sample: 3,407 | Baseline outcome score in quartiles, sex, gender, race, comorbidity, income, knee OA status, BMI, presence of generalized OA, longest knee pain duration, history of knee injury, PASE score, most severe varus/valgus alignment, weakest knee extensor strength, most severe knee flexor contracture, time | Time\*Center for Epidemiologic Studies Depression Scale dichotomized depression score (>16) | WOMAC: Pain | Linear | **0.59 (0.18 to 1.01)** |
| Riddle, 2011389Country: U.S.Age: >45Sample: 3,407 | Baseline outcome score in quartiles, sex, gender, race, comorbidity, income, knee OA status, BMI, presence of generalized OA, longest knee pain duration, history of knee injury, PASE score, most severe varus/valgus alignment, weakest knee extensor strength, most severe knee flexor contracture, time | Time\*Center for Epidemiologic Studies Depression Scale dichotomized depression score (>16) | WOMAC Disability | Linear | **1.93 (0.59 to 3.27)** |
| Riddle, 2011389Country: U.S.Age: >45Sample: 3,407 | Baseline outcome score in quartiles, sex, gender, race, comorbidity, income, knee OA status, BMI, presence of generalized OA, longest knee pain duration, history of knee injury, PASE score, most severe varus/valgus alignment, weakest knee extensor strength, most severe knee flexor contracture, time | Time\*Center for Epidemiologic Studies Depression Scale dichotomized depression score (>16) | 20-m Walk | Linear | -0.01 (-0.03 to 0.01) |
| Riddle, 2011389Country: U.S.Age: >45Sample: 3,,407 | Baseline outcome score in quartiles, sex, gender, race, comorbidity, income, knee OA status, BMI, presence of generalized OA, longest knee pain duration, history of knee injury, PASE score, most severe varus/valgus alignment, weakest knee extensor strength, most severe knee flexor contracture, time | Time\*Center for Epidemiologic Studies Depression Scale dichotomized depression score (>16) | Repeated chair stand | Linear | -0.01 (-0.03 to 0.00) |
| Riddle, 2011389Country: U.S.Age: >45Sample: 3407 | Baseline outcome score in quartiles, sex, gender, race, comorbidity, income, knee OA status, BMI, presence of generalized OA, longest knee pain duration, history of knee injury, PASE score, most severe varus/valgus alignment, weakest knee extensor strength, most severe knee flexor contracture, time | Time\*SF-12 ( Mental Health Component Summary) | WOMAC: Pain | Linear | -0.01 (-0.02 to 0.00) |
| Riddle, 2011389Country: U.S.Age: >45Sample: 3,407 | Baseline outcome score in quartiles, sex, gender, race, comorbidity, income, knee OA status, BMI, presence of generalized OA, longest knee pain duration, history of knee injury, PASE score, most severe varus/valgus alignment, weakest knee extensor strength, most severe knee flexor contracture, time | Time\*SF-12 ( Mental Health Component Summary) | WOMAC Disability | Linear | -0.02 (-0.05 to 0.01) |
| Riddle, 2011389Country: U.S.Age: >45Sample: 3,407 | Baseline outcome score in quartiles, sex, gender, race, comorbidity, income, knee OA status, BMI, presence of generalized OA, longest knee pain duration, history of knee injury, PASE score, most severe varus/valgus alignment, weakest knee extensor strength, most severe knee flexor contracture, time | Time\*SF-12 ( Mental Health Component Summary) | 20-m Walk | Linear | 0.0004 (-0.01 to 0.00) |
| Riddle, 2011389Country: U.S.Age: >45Sample: 3,407 | Baseline outcome score in quartiles, sex, gender, race, comorbidity, income, knee OA status, BMI, presence of generalized OA, longest knee pain duration, history of knee injury, PASE score, most severe varus/valgus alignment, weakest knee extensor strength, most severe knee flexor contracture, time | Time\*SF-12 ( Mental Health Component Summary) | Repeated chair stand | Linear | -0.00008 (-0.0004 to 0.0010) |
| Riddle, 2011389Country: U.S.Age: >45Sample: 3,407 | Baseline outcome score in quartiles, sex, gender, race, comorbidity, income, knee OA status, BMI, presence of generalized OA, longest knee pain duration, history of knee injury, PASE score, most severe varus/valgus alignment, weakest knee extensor strength, most severe knee flexor contracture, time | Time\*confidence measure from Knee injury and Osteoarthritis Outcome Score | WOMAC: Pain | Linear | 0.06 (-0.02 to 0.15) |
| Riddle, 2011389Country: U.S.Age: >45Sample: 3,407 | Baseline outcome score in quartiles, sex, gender, race, comorbidity, income, knee OA status, BMI, presence of generalized OA, longest knee pain duration, history of knee injury, PASE score, most severe varus/valgus alignment, weakest knee extensor strength, most severe knee flexor contracture, time | Time\*confidence measure from Knee injury and Osteoarthritis Outcome Score | WOMAC Disability | Linear | 0.21 (-0.06 to 0.48) |
| Riddle, 2011389Country: U.S.Age: >45Sample: 3,407 | Baseline outcome score in quartiles, sex, gender, race, comorbidity, income, knee OA status, BMI, presence of generalized OA, longest knee pain duration, history of knee injury, PASE score, most severe varus/valgus alignment, weakest knee extensor strength, most severe knee flexor contracture, time | Time\*confidence measure from Knee injury and Osteoarthritis Outcome Score | 20-m Walk | Linear | 0.00 (-0.01 to 0.00) |
| Riddle, 2011389Country: U.S.Age: >45Sample: 3,407 | Baseline outcome score in quartiles, sex, gender, race, comorbidity, income, knee OA status, BMI, presence of generalized OA, longest knee pain duration, history of knee injury, PASE score, most severe varus/valgus alignment, weakest knee extensor strength, most severe knee flexor contracture, time | Time\*confidence measure from Knee injury and Osteoarthritis Outcome Score | Repeated chair stand | Linear | 0.00 (0.00 to 0.00) |
| Snijders, 2011390Country: The NetherlandsAge: >50Sample: 231 | Age, gender, BMI, index joint (knee or hip), duration of complaints, K&L score and past treatment.  | WOMAC: Physical function | Checklist Individual Strength questionnaire fatigue | Linear | **0.38 (0.27 to 0.50)** |
| Snijders, 2011390Country: The NetherlandsAge: >50Sample: 231 | Age, gender, BMI, index joint (knee or hip), duration of complaints, K&L score and past treatment.  | WOMAC: Pain | Checklist Individual Strength questionnaire fatigue | Linear | -0.08 (-0.20 to 0.04) |
| Snijders, 2011390Country: The NetherlandsAge: >50Sample: 231 | Age, gender, BMI, index joint (knee or hip), duration of complaints, K&L score and past treatment.  | WOMAC: Physical function | Checklist Individual Strength questionnaire activity | Linear | **0.14 (0.08 to 0.19)** |
| Snijders, 2011390Country: The NetherlandsAge: >50Sample: 231 | Age, gender, BMI, index joint (knee or hip), duration of complaints, K&L score and past treatment.  | WOMAC: Pain | Checklist Individual Strength questionnaire activity | Linear | -0.06 (-0.11 to 0.01) |
| Snijders, 2011390Country: The NetherlandsAge: >50Sample: 231 | Age, gender, BMI, index joint (knee or hip), duration of complaints, K&L score and past treatment.  | WOMAC: Physical function | Checklist Individual Strength questionnaire fatigue | Linear | **0.12 (0.01 to 0.23)** |
| Snijders, 2011390Country: The NetherlandsAge: >50Sample: 231 | Age, gender, BMI, index joint (knee or hip), duration of complaints, K&L score and past treatment.  | WOMAC: Pain | Checklist Individual Strength questionnaire fatigue | Linear | -0.04 (-0.14 to 0.06) |
| Snijders, 2011390Country: The NetherlandsAge: >50Sample: 231 | Age, gender, BMI, index joint (knee or hip), duration of complaints, K&L score and past treatment.  | WOMAC: Physical function | Checklist Individual Strength questionnaire activity | Linear | **0.06 (0.01 to 0.10)** |
| Snijders, 2011390Country: The NetherlandsAge: >50Sample: 231 | Age, gender, BMI, index joint (knee or hip), duration of complaints, K&L score and past treatment.  | WOMAC: Pain | Checklist Individual Strength questionnaire activity | Linear | **0.04 (0.00 to 0.09)** |

Bold- statistically significant results