

OAI Questionnaire Measures

Osteoarthritis Initiative: A Knee Health Study

Questionnaire Measures and Frequency															
Questionnaire/ Interview Measures	Initial Eligibility	Screening Visit	Enrollment Visit	Follow-up Visit											
				12-mo	18-mo ¹	24-mo	30-mo ¹	36-mo	48-mo	60-mo	72-mo	84-mo	96-mo	108-mo	120-/132-mo ⁵
Contact information	X		X	X		X		X	X	X	X	X	X	X	X ⁶
Demographics (such as age, gender, ethnicity, education, marital status, residency, income)	X		X					X			X		X		X
Employment, current and past			X	X		X		X	X		X		X		X
Health care and health insurance			X	X		X		X	X		X		X		X
Social Security number													X		X
Zip code													X		X
MRI contraindications	X	X	X	X	X	X	X	X	X		X		X		
Knee Symptoms															
- Knee symptoms & medication use for knee symptoms, past 12 mos, 30 days	X	X		X		X		X	X	X	X	X	X ³	X	X ⁶
- Knee pain 0-10 rating scale, past 7 days		X		X	X	X	X	X	X	X	X	X	X	X	X ⁶
- Knee pain 0-10 rating scale, past 30 days			X	X	X	X	X	X	X	X	X	X	X ³	X	X ⁶
- WOMAC knee pain, past 7 days			X	X	X	X	X	X	X	X	X	X	X ³	X	X ⁶
- WOMAC knee stiffness, past 7 days			X	X	X	X	X	X	X	X	X	X	X	X	X ⁶
- KOOS knee pain and symptoms, past 7 days			X	X	X	X	X	X	X	X	X	X	X	X	X
Knee-related function and QOL															
- WOMAC physical function/daily activities, past 7 days			X	X	X	X	X	X	X	X	X	X	X	X	X ⁶
- KOOS sport, recreation, past 7 days			X	X	X	X	X	X	X	X	X	X	X	X	X
- KOOS Quality of life, past 7 days			X	X	X	X	X	X	X	X	X	X	X ³	X	X ⁶
- Participant global assessment of knee impact, 0-10 rating scale, today			X	X	X	X	X	X	X	X	X	X	X ³	X	X ⁶
- Limitation of activity due to knee Sx, past 30 days		X		X		X		X	X	X	X	X	X	X	X ⁶

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- Knee pain and QOL, constant and intermittent, past 7 days (OARSI/OMERACT)									X	X	X	X	X		X
Other Joint Symptoms															
- Hip symptoms, past 12 months		X		X		X		X	X		X		X	X	X ⁶
- Hip pain and QOL, constant and intermittent, past 7 days (OARSI/OMERACT)											X		X		
- Pain/symptoms in other joints (shoulder, elbow, wrist, hand/finger, ankle, foot/toe), past 30 days		X		X		X		X	X		X		X		X
- Back pain and function, past 30 days		X		X		X		X	X		X		X		X
- TMJ Pain, past 6 months		X				X			X				X		
- History of osteoarthritis/degenerative arthritis/inflammatory arthritis/RA/other arthritis	X	X		X		X		X	X		X		X		X
- History of total hip replacement		X		X		X		X	X	X	X	X	X ³	X	X ⁶
General Health/ Functional Status															
- SF12			X	X		X		X	X		X		X ³	X ⁴	X ⁶
- Comorbidity Index			X			X			X		X		X		X
- CES-D, long version (depressive symptoms)			X	X		X		X	X	X	X	X	X		X
- Coping strategies									X	X	X	X	X		X
- Brief fear of movement															X
- Resting pain subscale															X ⁶
- Life space															X
- Modified Mini-Mental State Exam (3MS) (in-clinic) or TICS (telephone interview)															X

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Development of disability and current levels of disability															
- Late Life Disability Instrument (LLDI)									X		X		X		X ⁶
- ADLs and IADLs									X		X		X		X ⁶
- Work disability due to health problems			X	X		X		X	X		X		X		X
Medication															
- Prescription medication inventory, past 30 days			X	X	X	X	X	X	X		X		X		
- Prescription and OTC medications for knee symptoms, past 12 months (1 question)			X	X	X	X	X	X	X	X	X	X	X	X	X ⁶
- Prescription medications for arthritis, past 12 months	X	X		X		X		X	X		X		X		X
- Current medications/supplements for joint pain/arthritis, 30 days, today			X	X	X	X	X	X	X	X	X	X	X	X	X ⁶
- Chondroitin sulfate or glucosamine for joint pain/arthritis, past 6 months			X	X	X	X	X	X	X	X	X	X	X	X	X
- Knee injections for arthritis, past 6 months			X	X	X	X	X	X	X	X	X	X	X	X	X
- Bisphosphonate/other medications for osteoporosis or Paget's disease, past 5 years or past 12 months			X	X	X	X	X	X	X	X	X	X	X	X	X
- Past use of selected medications – male hormone or testosterone; Estratest or Syntest; GnRH antagonist injection; parathyroid hormone, past 6 months			X	X	X	X	X	X	X	X	X	X	X		X
- Estrogen or estrogen + progesterone, past 12 months															X
- CAM treatments for joint Sx, past 12 months			X			X			X					X	
- Vitamin and mineral use, past 30 days			X	X		X		X	X		X		X		X

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Health Behaviors and OA Risk Factors															
- History of knee injury	X	X		X		X		X	X	X	X	X	X	X	X ⁶
- History of TKR	X	X		X		X		X	X	X	X	X	X ³	X	X ⁶
- History of other knee surgery	X	X		X		X		X	X	X	X	X	X ³	X	X ⁶
- Family history of total knee and hip replacement	X	X				X			X				X		
- Assessment of willingness of “eligible” participants to undergo knee replacement surgery or other similar procedures											X		X		X
- Fracture history, past 12 months			X	X		X		X	X		X		X		X
- Height and weight history			X												
- Tobacco and alcohol use			X						X				X		
- Physical activity (PASE), past 7 days			X	X		X		X	X		X		X		
- Frequent knee bending activities, past 30 days	X		X	X		X		X	X		X				
- Weight loss/weight loss surgery/weight cycling													X		X
- Lifetime physical activity questionnaire													X		
- Dietary nutrient intake (Block Brief 2000), past 12 months ²			X												
- Female history – menopausal, pregnancy status	X	X		X	X	X	X	X	X		X		X		X
Reliability assessment (2 questions) Interviewer’s assessment of reliability of participant’s responses, someone assisting participants with responses											X	X	X ³	X	X
Adjudication															

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- Confirmation of deaths				X	X	X	X	X	X	X	X	X	X	X	X ⁶
- Verification of TJRs (knee and hip)				X	X	X	X	X	X	X	X	X	X	X	X ⁶

¹ This visit obtained in a subset of progression cohort participants at either the 18-month or 30-month follow-up visit

² The majority of the Reference (Non-exposed) controls had a streamlined visit which did not include the following questionnaire measures: Dietary nutrient intake (Block Brief 2000).

³ Included in both the 96-month clinic visit materials and in the materials for those who opt to solely complete 96-month close-out interview by telephone; 96-month Close-out Interview by telephone does not include entire SF-12 – only the global health assessment question.

⁴ Includes only the global health assessment question from SF-12.

⁵ To be obtained in a subset of participants with K/L 0 at baseline

⁶ Included in both the 120-month clinic visit materials and in the materials for those who opt to complete questionnaires solely by mail; mailed questionnaire does not include entire SF-12 – only the global health assessment question.