

## ONLINE SUPPLEMENTARY DATA

**Supplementary Table 1.** Data sources from the Osteoarthritis Initiative.

OAI dataset	Version number
Enrolees	20
Subject characteristics	0.2.2
Physical exam	
Baseline	0.2.2
1 year	1.1.2
2 years	3.1.1
3 years	5.2.1
4 years	6.2.1
Medical history	
Baseline	0.2.2
1 year	1.2.1
2 years	3.2.1
3 years	5.2.1
4 years	6.2.1
Joint symptoms	
Baseline	0.2.2
Year 1	1.2.1
Year 2	3.2.1
Year 3	5.2.1
Year 4	6.2.1
Outcomes	5

**Supplementary Figure 1.** Knee pain predicting new shoulder pain: mediated by leg weakness.

