## Supplementary

- Patients were identified as having MTS-OA pain if they satisfied at least one of the following criteria:1
  - a consultation with a rheumatology, orthopedic, or pain management specialist within three months after the index date
  - undergoing either a surgical or nonsurgical invasive procedure related to OA treatment (such as joint replacement, osteotomy, arthroscopy, or joint injection) within the 12 months following the index date
  - receiving prescriptions for two or more different topical or oral NSAIDs within three months after the index date
  - receiving prescriptions for two or more different opioids within three months after the index date
  - an emergency room visit for knee OA within 12 months after the index date, followed by a visit to a primary care physician within 14 days of the ER visit.