# Appendix S1: Searches for indicator markers

1. **Rheumatology monitoring / referral codes**

\* Search for rheum referral

*Search\_Field Search\_Value*

*Read or OXMIS Term \*rheumatolog\**

\* Search for rheum monitoring

*Search\_Field Search\_Value*

*Read or OXMIS Code 66H\**

1. **General arthritis codes (including symptom/sign codes)**

*Search\_Field Search\_Value*

*Read or OXMIS Code N06\**

*Read or OXMIS Code Nz\**

*Read or OXMIS Code NY\**

*Read or OXMIS Code N09\**

*Read or OXMIS Code N04\**

1. **Pain codes**

*Search\_Field Search\_Value*

*Read or OXMIS Code N245\**

1. **Stiffness / limitation of movement codes**

*Search\_Field Search\_Value*

*Read or OXMIS Code 2H\**

*Read or OXMIS Code 1D1\**

1. **Swelling codes**

*Search\_Field Search\_Value*

*Read or OXMIS Code 2H3\**

1. **Deformity codes**

*Search\_Field Search\_Value*

*Read or OXMIS Code N362\**

*Read or OXMIS Code 2G2\**

1. **Rheumatoid Factor test**

*Search\_Field Search\_Value*

*Read or OXMIS Code 43F\**

*Read or OXMIS Term \*rheum\*fact\**

Plus entity type code = 292