Appendix 2 – ROC curves for Primary Outcomes

1. Knee Pain



1. Radiographic KOA

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1. Total Knee Replacement

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*This figure shows the receiver operator characteristic (ROC) area under the curve (AOC) for all KOA outcomes, namely (a) knee pain, (b) radiographic KOA, and (c) total knee replacement.*

**Blue** = Full model area under the curve; **Red** = Area under the curve with knee injury (most significant risk factor) removed; **Green** = Area under the curve with all significant risk factors removed

**Full Model**: Age + BMI + Digit (2D:4D) Ratio + Nodal OA + Familial OA (knee OA, hip OA, hand OA; and knee replacement) + Gout + Constitutional Malalignment + High Risk Occupation + Knee Injury + Career Training Dose + Matches Played + Main Tier (played in) + Position