**Appendix B: Hausman Specification Test**

|  |  |  |
| --- | --- | --- |
|   | **Hip Replacement** | **Knee Replacement** |
|  | **EQ-5D** | **EQ-VAS** | **Oxford Hip Score** | **EQ-5D** | **EQ-VAS** | **Oxford Knee Score** |
|  |
| **Prob > Chi-squared** | 0.01 | 0.01 | 0.27 | 0.69 | 0.23 | 0.63 |
|  |  |  |  |  |  |  |
| **Decision** | fixed | fixed  | random | random | random | random |

  *Appendix note: 1To test the preferred effect for the two treatment group panel data model; 2 If Prob>chi2 is significant (i.e. <0.05) then the preferred model uses fixed effects.*