

Supplementary Table 2: results of validation exercise of first total hip replacement (THR) and total knee replacement (TKR)*

(A) THR

		<u>HES</u>		
		Positive	Negative	Total
<u>CPRD</u>	Positive	382	168	550
	Negative	95	10,307	10,402
	Total	477	10,475	10,952

Sensitivity = 80.1; Specificity = 98.4

(A) TKR

		<u>HES</u>		
		Positive	Negative	Total
<u>CPRD</u>	Positive	525	194	719
	Negative	104	10,129	10,233
	Total	629	10,323	10,952

Sensitivity = 83.5; Specificity = 98.1

* agreement was defined as being present in both datasets within a period of 60 days. Sensitivity and Specificity were unchanged when 30 or 90 day periods were used.