

Appendix

TABLE E-1 ICD-10 and OPCS-4 Codes Used in Analysis*

Procedure	OPCS-4	90-Day Complication	ICD-10
Total hip replacement	W37.1, W38.1, W39.1, W93.1, W94.1, W95.1	Acute myocardial infarction	I21-2
		Cerebrovascular accident	I60-3
		Acute renal failure	N17
		Lower respiratory tract infection	J18, J22
		Pulmonary embolism	I26
		Deep-vein thrombosis	I18-4
		<i>Clostridium difficile</i>	A04-7

*ICD-10 = International Statistical Classification of Diseases and Related Health Problems, 10th Revision, and OPCS-4 = Office of Population Censuses and Surveys Classification of Surgical Operations and Procedures, 4th Revision. Hospital Episode Statistics (HES) data include 15 diagnosis fields (coded using ICD-10 codes) and 15 surgical procedure fields (coded using OPCS-4 codes, which are unique to the United Kingdom). Caspe Healthcare Knowledge Systems (CHKS) has approval to re-use HES data with the permission of the Health and Social Care Information Centre.