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### **Economic impact of CA-UTI**

Clearly it is impossible to make a simple and accurate calculation of the financial cost attributable to catheter-associated urinary tract infections. According to hospital episode statistics, there were 281 296 finished consultant episodes of serious adverse events related to urinary tract infections in National Health Service hospitals (and private hospitals undertaking work for the NHS) in England and Wales in 2012–2013 [75]. It is reasonable to assume that 80% of these episodes (225,036) were due to catheter-induced infections [16]. Data for 2001 show that infected patients, on average, incurred UK hospital costs 2.9-times higher than uninfected patients, at that time equal to an additional £3154 per patient [76]. Between 2001–2014, the UK consumer price index increased by a factor of 1.48 [77]. Admittedly this may not be a very good index of healthcare cost inflation, but no better measure seems to be available. **Thus, the additional UK National Health Service cost of each catheter-associated urinary tract infection must be in the order of £4600 so, by this calculation, the total annual cost of all episodes must be at least £1.0 billion.**

Data for Scotland in 1999 [78] gave an estimated £125 million as the additional annual cost of treating catheter-associated urinary tract infections. Scotland accounts for ~8% of the UK population and financial inflation from 1999 to 2015 was ~55%. This calculation indicates that the total current UK cost of catheter-associated urinary tract infections is ~£2.5 billion per year.

Thus, it can be concluded that the annual total additional UK cost of catheter-associated urinary tract infections probably now lies somewhere between £1.0–£2.5 billion.

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