**Supplementary Material2: Protocol amendments**

1. Number of Phase 1 hospitals increased from 18 to 24
2. Number of Phase 2 hospitals increased from four to seven
3. Change of inclusion criteria – the number of nights in hospital from three to a range of one-three
4. Change of matching from 1:1 children with LD to children without LD to 2:1
5. Matching criteria widened as shown in Table 1
6. Where a child/parent was consented but discharged from hospital earlier than their expected discharge dated, the child will be given the opportunity to carry out data collection at home within one week of discharge, where the child is seen to have sufficient recall ability

**Table 1: Original and revised matching criteria**

|  |  |  |
| --- | --- | --- |
| **Domain** | **Original** | **Revised** |
| Age | Within 1 year | 5-7 years, 8-11 years or 12-15 years |
| Number of co-morbidities | Within 1 or 2 | Within 3-4 |
| Expected length of stay | Exact match | Short: 1-2 nights; Medium: 3-7 nights; Long: 8 nights and over |
| Reason for admission | Same specialty | Surgical, medical or tests |