**Supplemental Digital Content 6:** Demographics for LOS

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|  | **No LOS**  **N=13079** | **LOS**  **N=1780** | **p-value** |
| **Gestational age (weeks)** | 28.13±2.21 | 26.63±2.32 | **<0.001** |
| **Birthweight (g)** | 1026±294 | 848±304 | **<0.001** |
| **Days in hospital** | 69±63 | 97±49 | **<0.001** |
| **Days until full enteral feeding** | 16.7±12.4 | 24.2±19.5 | **<0.001** |
| **Gender male (%)** | 6750 (51.6) | 975 (54.8) | **0.01** |
| **Antenatal steroids (%)** | 11994 (91.9) | 1604 (90.2) | **0.02** |
| **Antenatal antibiotics (%)** | 6794 (52.6) | 995 (56.5) | **0.003** |
| **Multiple pregnancies (%)** | 4569 (34.9) | 586 (32.9) | 0.09 |
| **SGA (%)** | 1473 (11.3) | 323 (18.1) | **<0.001** |
| **Sepsis within 72h of life (%)** | 1409 (12.8) | 268 (15.2) | **0.008** |
| **Central line (%)** | 8326 (64.1) | 1442 (81.6) | **<0.001** |
| **Arterial line (%)** | 3090 (23.8) | 696 (39.6) | **<0.001** |
| **Intratracheal ventilation (%)** | 6634 (50.8) | 1354 (76.2) | **<0.001** |
| **Mortality (%)** | 379 (2.9) | 75 (4.2) | **0.03** |