**Supplementary Table D: Characteristics of early childhood cohort who received PICC:**

| Variable                                      | Characteristics                  | Early Childhood N* (%) |
|-----------------------------------------------|----------------------------------|------------------------|
| Gender                                        |                                 |                        |
|                                               | Male                             | 213 (54.3)             |
|                                               | Female                           | 178 (45.4)             |
| Race                                          |                                 |                        |
|                                               | White/Caucasian                  | 303 (77.3)             |
|                                               | Black/African American           | 22 (5.6)               |
|                                               | Hispanic/Latino                  | 21 (5.4)               |
|                                               | Asian                            | 13 (3.3)               |
|                                               | American Indian/Alaskan native   | 0                      |
| Lumens                                        |                                 |                        |
|                                               | Single                           | 351 (89.5)             |
|                                               | Double                           | 32 (8.2)               |
| Size                                          | 1.9 French                       | ---                    |
|                                               | 26 Gauge                         | 23 (5.9)               |
|                                               | 2 French                         | ---                    |
|                                               | 3 French                         | 332 (84.7)             |
|                                               | 4 French                         | 32 (8.2)               |
| Location on the patient where the PICC was placed | Right Upper Extremity          | 306 (78.1)             |
|                                               | Left Upper extremity             | 64 (16.3)              |
|                                               | Right Lower extremity            | 11 (2.8)               |
|                                               | Left Lower extremity             | 8 (2)                  |
|                                               | Scalp                            | 1 (0.3)                |
| Mean length of PICC outside the patient       |                                 | 2.2 ± 2.6 cm           |
| Hospital Location where the PICC was placed   | PICU                             | 63.4%                  |
|                                               | OR                               | 9%                     |

*Numbers may not add up to 100 due to missing values. The % have been adjusted to the closest 0.1decimal for readability.*