**Multi-site HITH PICC Study** – Pauline Dobson & Mark Loewenthal

**Sites** The following sites have been enrolled in the study to date:

1. Out & About IV Therapy Program, John Hunter Hospital Newcastle NSW
2. Macarthur Ambulatory Care Service, Sydney South West NSW
3. APAC Gosford Hospital, Gosford NSW
4. Prince of Wales Hospital HITH Service, Sydney NSW
5. Goulburn Valley Health, Shepparton VIC
6. Fairfield Ambulatory Care, Fairfield Hospital, Sydney NSW
7. St. John of God Health Choices, Ballarat VIC
8. Wide Bay Health Service, Bundaberg QLD
9. Canberra Hospital HITH, Canberra ACT
10. Ambulatory Care Bankstown/Lidcombe Hospital, Bankstown NSW
11. Homelink, Sir Charles Gairdner Hospital, Perth WA

**Outcomes**

The analysis of the data has resulted in 4 conference papers to date.

1. Collins, N. Loewenthal, M. Dobson, P. Senanayake, S. & Hecimovic, T. (2011). A multi-center study to benchmark peripherally inserted central catheter (PICC) outcomes in Hospital in the Home. 4th Annual HITH Scientific Conference, Sydney November 2011.
2. Loewenthal M, Dobson P, Collins N, Harbort Y, Kuzmich D, Van Popering G, for the HITH Research Interest Group. Multi-HITH PICC Study – the Power of Many. 5th Annual Scientific Conference HITH Society Australasia. 22nd-23rd November 2012.Melbourne VIC.
3. Loewenthal M, Dobson P, Collins N, et al for the HITHRIG (HITH Research Interest Group). (2013). The multi-site HITH PICC Study – Bigger and Better. 6th Annual Scientific Meeting of the HITH Society Australasia. October 2013, Sydney NSW
4. Loewenthal M, Dobson P, Collins N, Harbort Y, Kuzmich D, Van Popering G, Hecimovic T, Beaumont F, Ellis A, King J, Ong B, Masters J, & Hawkins N, for the HITH Research Interest Group. Valved versus Non-Valved PICCs in Hospital in the Home (HITH) – A multi-site national study. World Congress on Vascular Access WOCOVA Berlin, June 2014.

Individual sites received data in graph and table form (see below) to compare their outcomes to those of the other sites in the study.

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| --- | --- | --- | --- |
| Service | Time at risk | Incidence rate | subjects |
| Z | 98627 | .00364 | 4476 |
| Y | 3452 | .0040556 | 185 |
| X | 486 | .0061728 | 19 |
| W | 787 | .0025413 | 18 |
| V | 359 | .0083565 | 19 |
| T | 3539 | .0031082 | 91 |
| S | 4957 | .0006052 | 170 |
| R | 1251 | .0023981 | 37 |
| Q | 1204 | .0049834 | 30 |
| P | 11667 | .0025714 | 411 |
| O | 11306 | .0020343 | 461 |
| total | 137635 | .0033204 | 5917 |

**Study closure**

The researchers received fewer submissions of updated data from sites in 2014 limiting the feasibility of continuing the study. Therefore after 3 years the study was closed to data entry. The final analysis was undertaken in 2014 for presentation to the World Congress on Vascular Access (WOCOVA).

Pauline Dobson 2018