Appendix 2. Numbers and central tendencies by categories of interruptions pre- and post-intervention

| Causes of Interruption             | T0          | T1          | p value  |
|-----------------------------------|-------------|-------------|----------|
|                                   | n.          | %           | Mean (SD) | Median (Min-Max) | n.          | %           | Mean (SD) | Median (Min-Max) |
| Physician                         | 212         | 9.2         | 0.94 (1.34) | 1 (0-7)       | 67          | 8.4         | 0.26 (0.65) | 0 (0-4) | p<0.001 |
| Other nurse                       | 397         | 17.2        | 1.76 (2.18) | 1 (0-12)      | 208         | 26.1        | 0.8 (1.11)  | 0 (0-5) | p<0.001 |
| Other personnel                   | 170         | 7.4         | 0.76 (1.05) | 0 (0-6)       | 47          | 5.9         | 0.18 (0.51) | 0 (0-4) | p<0.001 |
| Phone call                        | 177         | 7.7         | 0.79 (1.44) | 0 (0-7)       | 27          | 3.4         | 0.10 (0.37) | 0 (0-3) | p<0.001 |
| Other patient                     | 458         | 19.9        | 2.04 (2.68) | 1 (0-14)      | 139         | 17.4        | 0.53 (1.24) | 0 (0-11) | p<0.001 |
| Parent/Visitor                    | 201         | 8.7         | 0.89 (1.26) | 0 (0-7)       | 52          | 6.5         | 0.20 (0.53) | 0 (0-3) | p<0.001 |
| Prescription/Missing med          | 122         | 5.3         | 0.54 (1.03) | 0 (0-7)       | 74          | 9.3         | 0.28 (0.66) | 0 (0-5) | p=0.001 |
| Emergency situation               | 0           | 0.0         | 0 (0.00)    | 0 (0-0)       | 2           | 0.3         | 0.01 (0.09) | 0 (0-1) | p=0.189 |
| Conversation                      | 362         | 15.7        | 1.61 (2.28) | 1 (0-14)      | 145         | 18.2        | 0.56 (1.05) | 0 (0-5) | p<0.001 |
| Noise/Door phone                  | 111         | 4.8         | 0.49 (0.91) | 0 (0-5)       | 30          | 3.8         | 0.11 (0.39) | 0 (0-3) | p<0.001 |
| Other                             | 93          | 4.0         | 0.41 (0.75) | 0 (0-5)       | 6           | 0.8         | 0.02 (0.15) | 0 (-1)  | p<0.001 |
| **Total**                         | **2303**    | **100.0**   | **10.24 (8.54)** | **8 (0-44)** | **797**  | **100.0** | **3.05 (3.40)** | **2 (0-22)** | p<0.001 |

\(^a\) Pre-intervention
\(^b\) Post-intervention
\(^c\) p value is calculated with Mann-Whitney test
\(^d\) The category “Other patient” includes: “Verbal communication”, “Crying out”, “Patient’s bell call” and “Monitor”
\(^e\) The category “Parent/Visitor” includes: “Other patient’s parent” and “Visitor”
\(^f\) The category “Prescription/Missing Med” includes: “Not clear prescription”, “Wrong dose medication” and “Missing medication”
\(^g\) The category “Noise/Door phone” includes: “External noise” and “Door phone”