

## Descriptive statistics of incidents and actions taken by Nurses Category A and B.

**Table 1** Incidents reported by nurses category A and B, per technology (n=181)

Incidents	Infusion therapy		Parenteral nutrition		Morphine pump	
	A	B	A	B	A	B
	n (%)	n (%)	n (%)	n (%)	n (%)	n (%)
0	78 (69.0)	63 (92.6)	104 (92.0)	66 (97.1)	89 (78.8)	60 (88.2)
1	14 (12.4)	4 (5.9)	8 (7.1)	2 (2.9)	18 (15.9)	8 (11.8)
2 or more	21 (18.6)	1 (1.5)	1 (0.9)	0 (0.0)	6 (5.3)	0 (0.0)
<b>Total</b>	<b>113 (100)</b>	<b>68 (100)</b>	<b>113 (100)</b>	<b>68 (100)</b>	<b>113 (100)</b>	<b>68 (100)</b>

**Table 2** Types of incidents reported by nurses category A and B, per technology (n=129)

Incidents mainly attributed to	Infusion therapy		Parenteral nutrition		Morphine pump	
	A	B	A	B	A	B
	n (%)	n (%)	n (%)	n (%)	n (%)	n (%)
<b>Product</b>	<b>32 (46.4)</b>	<b>4 (57.1)</b>	<b>6 (60.0)</b>	<b>0 (0.0)</b>	<b>10 (30.3)</b>	<b>6 (75.0)</b>
Technical defect in the device	12 (17.4)	2 (28.6)	5 (50.0)	0 (0.0)	5 (15.2)	5 (62.5)
Correct device not present or device component(s) missing	10 (14.5)	1 (14.3)	0 (0.0)	0 (0.0)	2 (6.1)	0 (0.0)
Manual unclear, incomplete, not available or unsuitable for the home situation	0 (0.0)	1 (14.3)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
Device unsuitable for the home situation, because .....	1 (1.4)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
Incorrect medication preparation, administration or delivery	5 (7.2)	0 (0.0)	1 (10.0)	0 (0.0)	3 (9.1)	1 (12.5)
Other, namely .....	4 (5.8)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
<b>Environment</b>	<b>8 (11.6)</b>	<b>2 (28.6)</b>	<b>1 (10.0)</b>	<b>0 (0.0)</b>	<b>3 (9.1)</b>	<b>0 (0.0)</b>
Climate in the room (e.g. temperature, humidity, lighting, noise)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	1 (3.0)	0 (0.0)
Hygiene of the room	1 (1.4)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
Room too small	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
Presence of children	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
Presence of pets	0 (0.0)	0 (0.0)	1 (10.0)	0 (0.0)	0 (0.0)	0 (0.0)
Power failure or interference with other electrical devices	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
Incorrect use by patient and/or informal caregiver(s)	6 (8.7)	1 (14.3)	0 (0.0)	0 (0.0)	1 (3.0)	0 (0.0)
Other, namely .....	1 (1.4)	1 (14.3)	0 (0.0)	0 (0.0)	1 (3.0)	0 (0.0)
<b>Organization of care</b>	<b>19 (27.5)</b>	<b>1 (14.3)</b>	<b>3 (30.0)</b>	<b>1 (50.0)</b>	<b>11 (33.3)</b>	<b>1 (12.5)</b>
Unclear tasks, responsibilities and/or authorizations	3 (4.3)	0 (0.0)	1 (10.0)	1 (50.0)	2 (6.1)	0 (0.0)
Error or transfer error by a colleague or other healthcare professional	13 (18.8)	1 (14.3)	2 (20.0)	0 (0.0)	8 (24.2)	1 (12.5)
Poor maintenance of the device, including cleaning	2 (2.9)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
Other, namely .....	1 (1.4)	0 (0.0)	0 (0.0)	0 (0.0)	1 (3.0)	0 (0.0)
<b>Human factors: Yourself as a user</b>	<b>10 (14.5)</b>	<b>0 (0.0)</b>	<b>0 (0.0)</b>	<b>1 (50.0)</b>	<b>9 (27.3)</b>	<b>1 (12.5)</b>
Insufficient knowledge/skills regarding the use of the device	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	1 (3.0)	0 (0.0)
Stress or fatigue	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
Inattention or error	7 (10.1)	0 (0.0)	0 (0.0)	1 (50.0)	4 (12.1)	1 (12.5)
Failure in situational awareness	1 (1.4)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
Incorrect calculation of medication	1 (1.4)	0 (0.0)	0 (0.0)	0 (0.0)	4 (12.1)	0 (0.0)
Other, namely .....	1 (1.4)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
<b>Total</b>	<b>69 (100)</b>	<b>7 (100)</b>	<b>10 (100)</b>	<b>2 (100)</b>	<b>33 (100)</b>	<b>8 (100)</b>

**Table 3** Actions taken by nurses category A and B to discuss or reveal incidents, per technology (n=119, 10 missing)

Actions taken	Infusion therapy		Parenteral nutrition		Morphine pump	
	A	B	A	B	A	B
	n (%)	n (%)	n (%)	n (%)	n (%)	n (%)
Yes	56 (86.2)	5 (83.3)	8 (80.0)	1 (100)	28 (93.3)	7 (100)
No	9 (13.8)	1 (16.7)	2 (20.0)	0 (0.0)	2 (6.7)	0 (0.0)
<b>Total</b>	<b>65 (100)</b>	<b>6 (100)</b>	<b>10 (100)</b>	<b>1 (100)</b>	<b>30 (100)</b>	<b>7 (100)</b>
<b>Specification Yes (multiple answers possible)</b>						
Discussed it with colleagues in the team	36 (64.3)	5 (100)	6 (75.0)	0 (0.0)	23 (82.1)	5 (71.4)
Discussed it with the direct supervisor	5 (8.9)	0 (0.0)	0 (0.0)	0 (0.0)	2 (7.1)	0 (0.0)
Discussed it with the patient and/or the informal caregiver(s)	34 (60.7)	2 (40.0)	4 (50.0)	1 (100)	7 (25.0)	2 (28.6)
Discussed it with the attending physician	12 (21.4)	1 (20.0)	0 (0.0)	0 (0.0)	8 (28.6)	0 (0.0)
Made a report according to the protocol of the organization	12 (21.4)	0 (0.0)	0 (0.0)	0 (0.0)	5 (17.9)	1 (14.3)
Other, namely .....	25 (44.6)	1 (20.0)	2 (25.0)	0 (0.0)	8 (28.6)	6 (85.7)
<b>Specification No (multiple answers possible)</b>						
Lack of time	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
Don't know which action(s) I should take or how	1 (11.1)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
Don't know whether the event is worth reporting or discussing	4 (44.4)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
Don't know the potential consequences with regard to liability	1 (11.1)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
Fear of sanctions or punishment against me	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
Other, namely .....	5 (55.6)	1 (100)	2 (100)	0 (0.0)	2 (100)	0 (0.0)