

Hospital Moinhos de Vento

Located in Southern Brazil, Hospital Moinhos de Vento is one of the six hospitals of excellence of the country and delivers clinical and hospital care with an emphasis in complex pathologies.





capacity 497 beds

28k hospitalizations



intensive care unit

85 beds



maternity 50 beds

4k deliveries



surgery center 17 operation rooms

23k surgeries



High Reliability Organizations

A High Reliability Organization (HRO) is an organization that has successfully avoided catastrophe in an environment where accidents can be expected due to risk factors and complexity.

SITUATIONAL AWARENESS

PREOCCUPATION WITH FAILURE

DEFERENCE TO EXPERTISE

COMMITMENT TO RESILIENCE

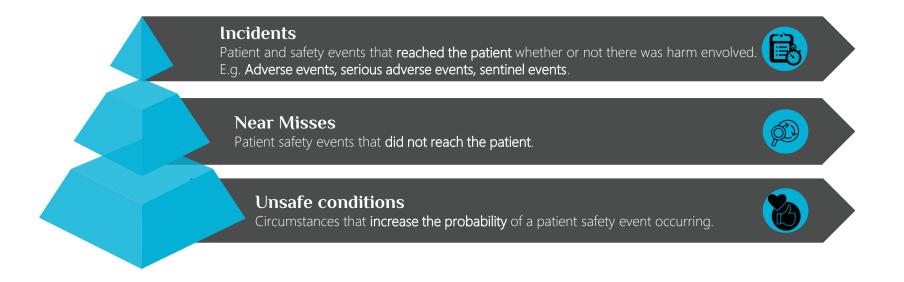
RELUCTANCE TO SIMPLIFY INTERPRETATIONS





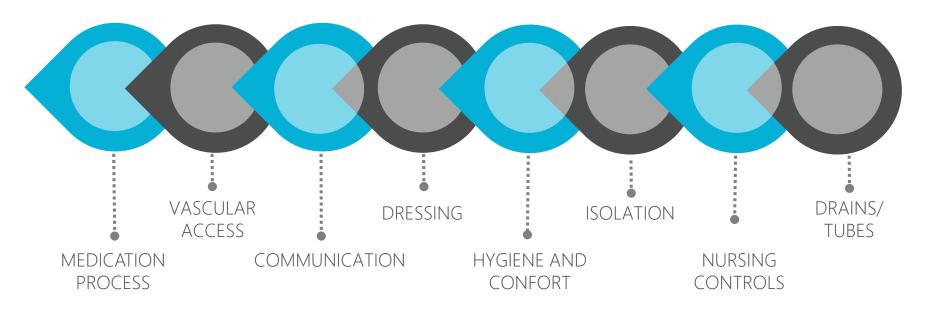
And when this environment is a hospital?

Adverse Events Classification





Near Miss Incidents Report





Objective and Methods

OBJECTIVE

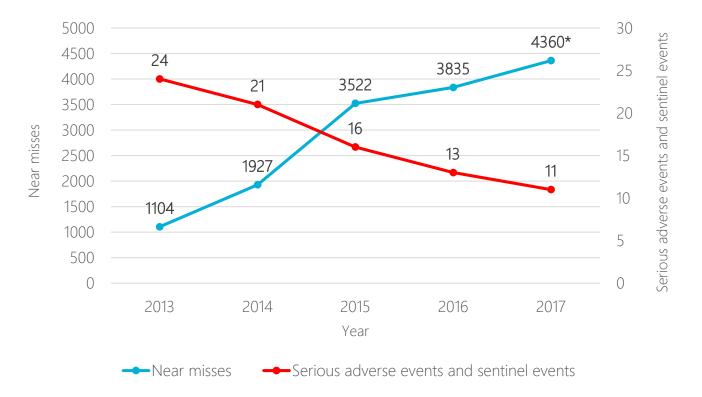
To analyze all near miss incidents in a private, non-profit, Hospital in the South of Brazil.

- Descriptive, retrospective study
- Data colection was performed on August 25, 2017
- Inclusion criteria: near miss events related to medication process and patient care recorded between January 1, 2013 and August 24, 2017.

METHODS



Results – number of reports





Results – number of reports by category

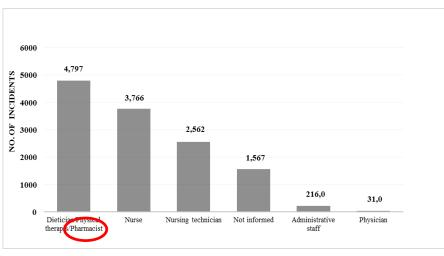
	Year									
	2013		2014		2015		2016		2017	
Near Miss	(n=1,104)		(n=1,927)		(n=3,522)		(n=3,835)		(n=2,551)	
	n	%	n	%	n	%	n	%	n	%
Venous/vascular access	_	_	6	0,3	177	5,0	291	7,6	188	7,4
Sterile materials	-	-	4	0,2	48	1,4	96	2,5	44	1,7
Communication	1	0,1	23	1,2	72	2,0	91	2,4	64	2,5
Fall prevention/restraint measures	-	-	6	0,3	32	0,9	34	0,9	17	0,7
Dressing	_	_	3	0,2	58	1,6	70	1,8	42	1,6
Drains/Tubes	_	_	8	0,4	76	2,2	93	2,4	58	2,3
Gas therapy	_	_	10	0,5	119	3,4	60	1,6	35	1,4
Glycotest	_	_		0,0	2	0,1	14	0,4	9	0,4
Hygiene/Comfort	_	_	11	0,6	54	1,5	59	1,5	49	1,9
Patient identification	_	_	19	1,0	171	4,9	176	4,6	114	4,5
Isolation precautions	_	_	6	0,3	33	0,9	53	1,4	24	0,9
Maintenance/Hotel services	_	_	7	0,4	29	0,8	18	0,5	16	0,6
Miscellaneous materials	_	_	15	8,0	81	2,3	230	6,0	124	4,9
Other		_	162	8,4	714	20,3	888	23,2	654	25,6
Control spreadsheets/recording										
info in patient chart/ fluid balance	1	0,1	54	2,8	189	5,4	242	6,3	289	11,3
Vital signs/Thermotherapy			3	0,2	21	0,6	26	0,7	19	0,7
Medication process	1,102	99,8	1,590	82,5	1,646	46,7	1,394	36,3	805	31,6

Shaded cells indicates statistical association between year and number of near miss incidents reported during the year. Fisher's chi square test; p<0.001).

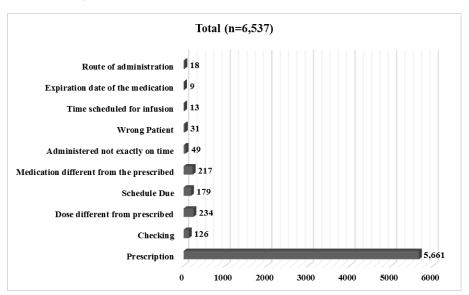


Results

Number of Reports by Professionals



Number of Near Misses in the Medication Process





Conclusion

We analyzed 12,939 near miss events related to the medication process and patient care recorded between January 1, 2013 and August 24, 2017.

Considering the number of admissions of the period (125,430 patients) the prevalence of reported near miss events was 10.3%.

Medication-related near miss incidents were the most frequent.

Near misses associated with the recording of patient information (mainly related to fluid balance) and venous/vascular puncture were also frequent in the analyzed events.

Safety culture is well-established and connected to the organizational culture in the institution. There is good adherence of professionals to the reporting system.

When a near miss occur, the teams that reported the event are always involved in the design and implementation of strategies to improve safety.



