



Prevention in Action: A Revolutionizing Strategy for Preventing Pressure Injuries



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BACKGROUND

- In complex orthopedic surgery, preventing position-related injuries requires structured, high-intensity training that goes beyond standard positioning protocols.

AIM

- To implement and evaluate a simulation-based knowledge translation strategy to prevent pressure injuries in a high-volume orthopedic surgical center.

RESULTS

- Incidence dropped from 60% to 0% within three months;
- Adherence to protocols soared; participants exhibited heightened awareness and best practice execution;
- Demonstrated that structured simulation transforms practice and drives measurable patient safety outcomes.

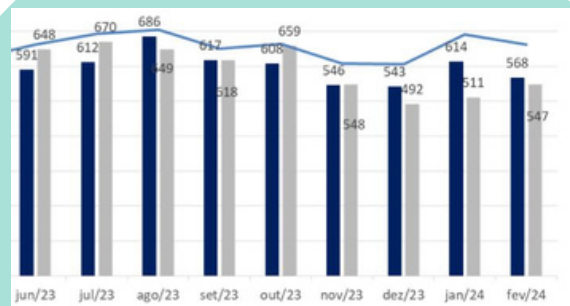
CONCLUSION

- The systematically implemented, multidisciplinary Prevention in Action model has the potential to eliminate positioning-related PI, enhance team performance, and cultivate a culture of safety

IMPLICATIONS TO PRACTICE

- A scalable, high-impact model for preventing positioning-related injuries in high-risk surgical settings.

PREVENTION IN ACTION PROGRAM IMPLEMENTATION



551 surg./month
60% complications

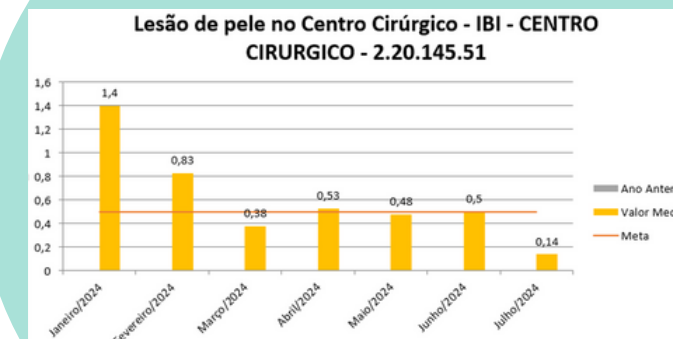
Initiation



Planning



Execution



Monitoring



Closure & Diffusion

METHODOLOGY

- Design: Pre- and post-training clinical study
- 80-member multidisciplinary team (nurses, surg technicians, surgeons, anesthetists).
- Public orthopedic hospital in Sao Paulo, Brazil
- Implementation: A Validated five-step simulation-based knowledge translation strategy (ELPO Certification):

- Initiation: Identify risks & practice gaps
- Planning: Five-step safety training
- Execution: Realistic simulation + ELPO-based protection
- Monitoring: 72h injury tracking, during 3 months
- Closure & Diffusion: Zero-injury certification & replication

REFERENCES AND CONTACT

