

Conflict of Interest Disclosure

I, Yulianna Fedorchak, certify that, to the best of my knowledge, no affiliation or relationship of a financial nature with a commercial interest organization has significantly affected my views on the subject which is being presented.



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Learner Outcomes/Objectives

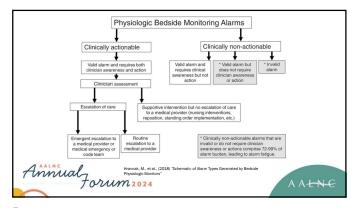
- Gain a comprehensive understanding of clinical alarm fatigue, including its definition, causes, and implications for patient safety
- Recognize how clinical alarm fatigue affects the daily practice of nurses, including its impact on workflow, decision-making, and patient care
- Discuss possible applications of learned knowledge to legal nurse consulting



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Types of clinical alarms in healthcare Bed/chair alarms Cardiac Monitor Alarms Ventilator Alarms Infusion Pump Alarms Fetal Monitor Alarms Code Blue Alarms Call Bells Fire Alarms AAANE AAANE

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Causes of alarm fatigue Patient factors Sensors Alarm state recognition Alarm pathways Clinician factors Annual forum 2024

Patient implications	
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Types of Events Impacted by Alarm Fatigue

- Compromised fall safety
- Missed arrhythmias/vital sign abnormality
- Wrong drug administration
- Air emboli
- Fetal Demise
- Delay in initiation of resuscitation efforts



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Effects on Healthcare Worker Well-being

- Increased stress and anxiety
- Desensitization to alarms/impaired decision making
- Reduced job satisfaction/burnout
- Decreased attention and concentration
- Sleep disturbances
- Emotional toll from adverse events



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Best practices in alarm response

- Appropriate training and protocols for responding to alarms
- Technology solutions and techniques to reduce non-actionable alarms
- Importance of maintaining vigilance





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Applications in the LNC world

- What to look for in the chart?
 - · Errors in documentation
 - Missed warning signs of adverse events
- Audit Trails
 - Alarm audit trails
 - Documentation audit trails



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Policies and regulations

- Food and Drug Administration (FDA)
- Association for the Advancement of Medical Instrumentation (AAMI)
- Technical information reports TIR66, TIR71 Occupational Safety And Health Administration (OSHA)
- · 29 CFR 1910.38
- The Joint Commission (TJC)
 - NPSG.06.01.01
- International Electrotechnical Commission (IEC) • IEC 60601-1-8







Perferences 1. 1910.38 - emergency action plans. Occupational Safety and Health Administration. (n.d.). https://www.osha.gov/laws-regs/regulations/standardnumber/1910/1910.38 2. Hrawnak M, Pellathy T, Chen L, Dubrawski A, Wertz A, Clermont G, et al. A call to alarms: current state and future directions in the battle against alarm fatigue. Journal of Electrocardiology 2018;51:544–8. 3. Lewandowska K, Weisbrot M, Cleloszyk A, Mędrzycka-Dąbrowska W, Krupa S, Ozga D. Impact of Alarm Fatigue on the Work of Nurses in an Intensive Care Environment-A Systematic Review. Int J Environ Res Public Health. 2020 Nov 13;17(22):8499. dei: 0.3390/jerph1728409. PMID: 3320907; PMCID: PMCF957990. 4. Moyer, J. (2017). AAMI tackles alarm management standards. Biomedical Instrumentation & Damp: Technology, 51(s2), 7–7. https://doi.org/10.2345/0899-8205-51.s2.7

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- National Patient Safety Gooks* effective January 2021 for ... The Joint Commission. (n.d.). https://www.jointcommission.org/-/media/tlc/documents/standards/national-patient-safety-goals/2021/npsg_chapter_hap_jan2021.pdf patient-safety-goals/2021/npsg_chapter_hap_jan2021.pdf patient-safety-goals/2021/npsg_chapter_hap_jan2021.pdf patient-safety-goals/2021/npsg_chapter_hap_jan2021.pdf patient-safety-goals/2021/npsg_chapter_hap_jan2021.pdf patient-safety-goals/safety-goals-g



