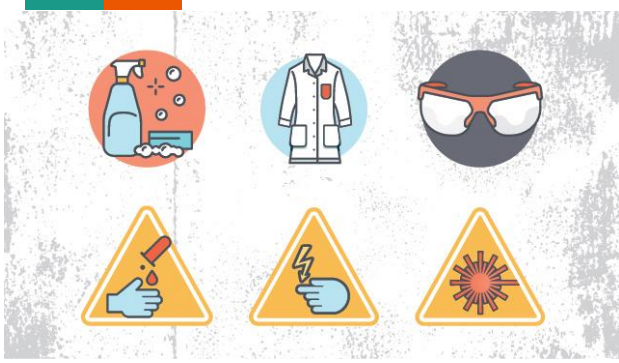




Managementul sigurantei in industriile mari

Dr. Andreea Marza





REACTIVE



Costs Lives & Money

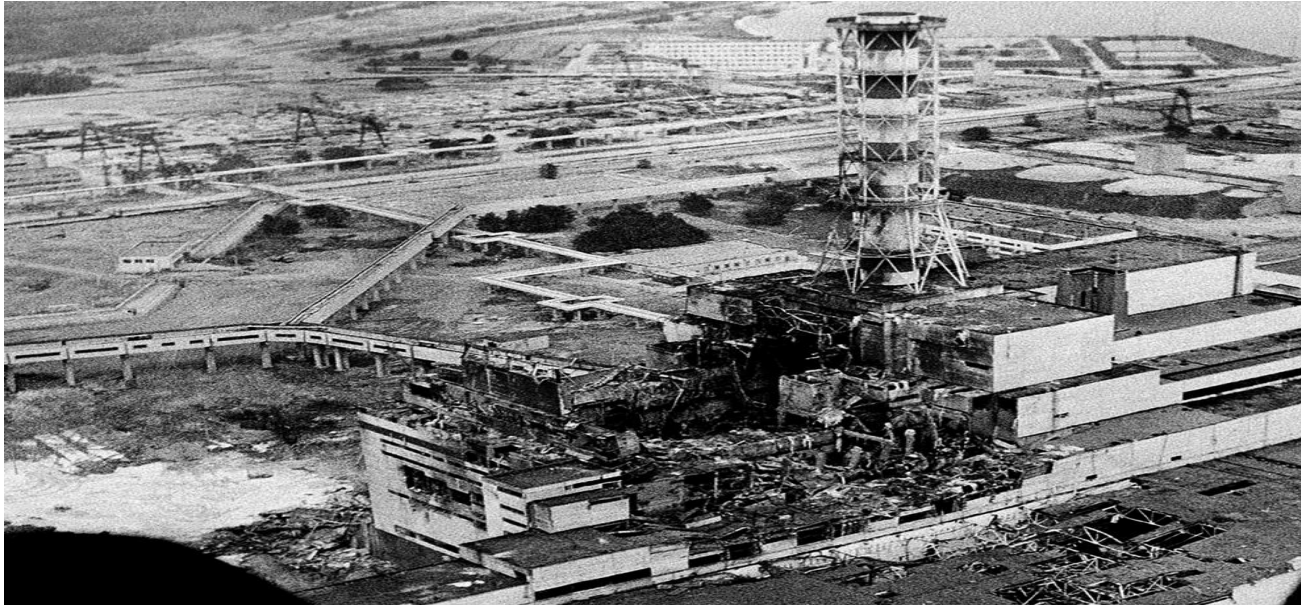




Factori ce au influentat evolutia abordarii in masurarea sigurantei

Managementul protectiei sanatatii si sigurantei muncitorilor

26 aprilie 1986, Chernobyl





Factori ce au influentat evolutia abordarii in masurarea sigurantei

Managementul protectiei sanatatii si sigurantei muncitorilor

Pierderea increderei publicului in siguranta unei industrii

Three Mile Island





Factori ce au influentat evolutia abordarii in masurarea sigurantei

Managementul protectiei sanatatii si sigurantei muncitorilor

Pierderea increderei publicului in siguranta unei industrii

Masurarea sigurantei ar trebui evaluata in comparatie cu asteptarile, NU cu cerintele autoritatilor



The Incident Cost Calculator

Date and time of incident
 Description of incident
 Name of person involved

Dealing with incident (immediate action)

Examples	Time spent	Cost (£)
First-aid treatment	_____	_____
Taking injured person to hospital/home	_____	_____
Making the area safe	_____	_____
Putting out fires	_____	_____
Immediate staff downtime (eg work activity stopped)	_____	_____
Other	_____	_____

Investigation of incident

Examples	Time spent	Cost (£)
Staff time to report and investigate incident	_____	_____
Meetings to discuss incident etc	_____	_____
Time spent with HSE/local authority inspector	_____	_____
Consultant's fees to assist company in investigation	_____	_____
Other	_____	_____

Getting back to business

Examples	Time spent	Cost (£)
Assessing/recheduling work activities	_____	_____
Recovering work/production (including staff costs)	_____	_____
Cleaning up site and disposal of waste, equipment, products etc	_____	_____
Bringing work up to standard (eg product reworking time/costs)	_____	_____
Repairing any damage/faults	_____	_____
Hiring or purchasing tools, equipment, plant, services etc	_____	_____
Other	_____	_____

Business costs

Examples	Time spent	Cost (£)
Salary costs of injured person while off work	_____	_____
Salary costs of replacement workers	_____	_____
Lost work time (people waiting to resume work, delays, reduced productivity, effects on other people's productivity etc)	_____	_____
Overtime costs	_____	_____
Recruitment costs for new staff	_____	_____
Contract penalties	_____	_____
Cancelled and/or lost orders	_____	_____
Other	_____	_____

Action to safeguard future business

Examples	Time spent	Cost (£)
Reassuring customers	_____	_____
Providing alternative sources of supply for customers	_____	_____
Other	_____	_____

Sanctions and penalties

Examples	Time spent	Cost (£)
Compensation claim payments	_____	_____
Solicitor's fees and legal expenses	_____	_____
Staff time dealing with legal cases	_____	_____
Fines and costs imposed due to criminal proceedings	_____	_____
Increase in insurance premiums	_____	_____
Other	_____	_____

Other

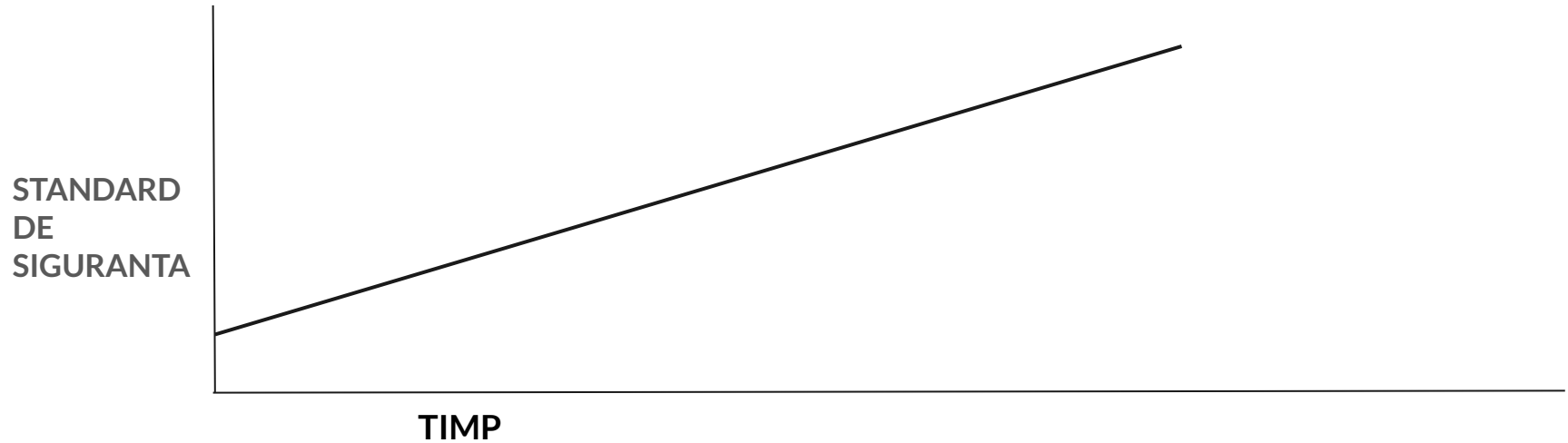
Examples	Time spent	Cost (£)
.....	_____	_____
.....	_____	_____
.....	_____	_____

Total

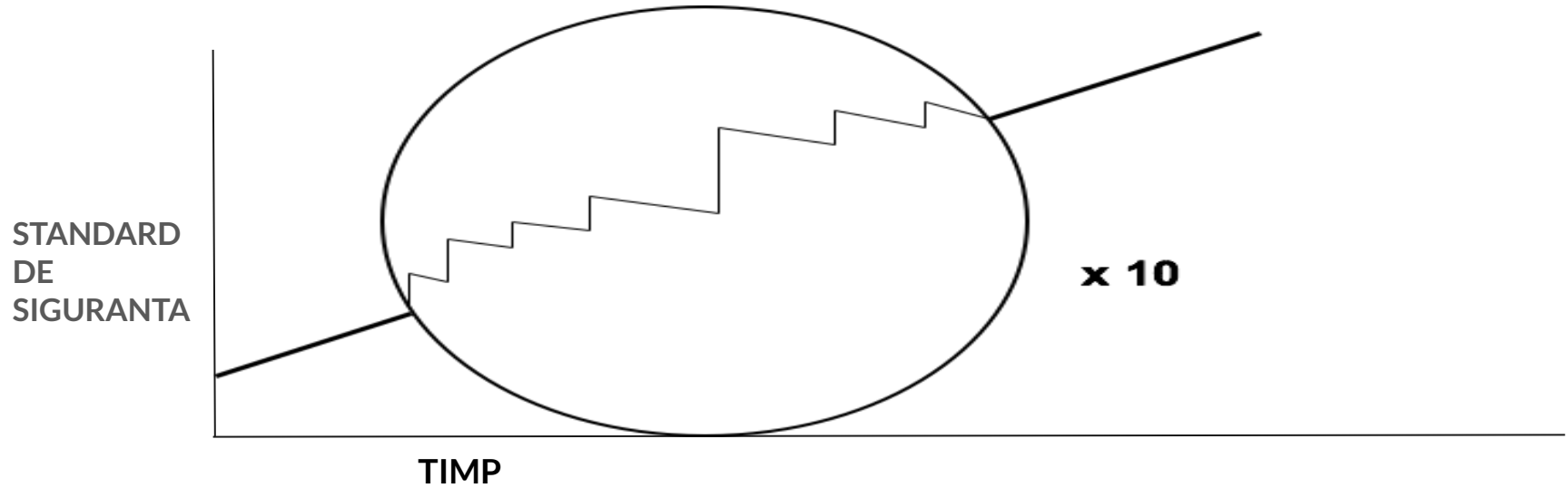
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In general managementul sigurantei evolueaza si societatea invata mai mult



Dar rata de îmbunătățire nu este constantă





SMS (Safety Management System)

“O abordare organizată a gestionării siguranței, inclusiv structurile organizatorice necesare, responsabilitățile, politicile și procedurile”

Box 3.3: Elements of a safety management system

- **A safety policy.**
- **Organisational arrangements to support safety.** This requires the organisation, supervision, recruitment and training of staff to support the safety policy and processes.
- **A safety plan.** Standards and processes for safety, including using risk assessment.
- **A means of measuring safety performance.** Processes and data are required in order to monitor current and past safety performance.
- **A means of reviewing safety performance.** This requires the assessment of safety performance against the safety objectives. This may involve processes such as incident investigation, safety surveys, audits and reviews.
- **A feedback loop to improve safety performance.** Mechanisms to ensure that any lessons learnt or improvements needed are properly accounted for and communicated to all relevant staff.



Manualul de management al sigurantei in Organizatia Civila a Aviatiei

Indicatori reactivi (evaluări de siguranță, audituri, raportarea incidentelor și investigații)

Indicatori proactivi (evaluarea potențială a riscurilor)



Safety Management System

Masurarea asteptarilor privind proiectarea sistemului



Indicatori mai rafinati decat masurile elaborate pentru a satisface cerintele autoritatii de reglementare



Concluzii

Abordarea pe care alte industrii au adoptat-o privind analiza datelor de raportare a incidentelor este mult mai evoluata decat in domeniul medical.

Masurare si monitorizarea sigurantei in alte industrii a evoluat considerabil in timp, astfel incat sa cuprinda indicatori de “intarziere” si de varf, examinarea mai multor fatete ale sigurantei si utilizarea diverselor metode de evaluare si masurare.

Instrumentele, tehnicile si metodele specifice ale altor industrii nu se pot transfera intotdeauna cu usurinta in domeniul medical.