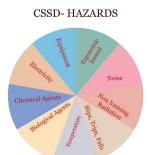




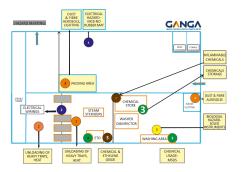
CSSD Occupational Safety Assessment: Mitigating Risks In Sterile Instrument Processing

Introduction

According to World Health Organization (WHO) estimates there are 59.8 million HCWs worldwide. About two-thirds of them (39.5 million) provide health services; the other one-third (19.8 million) are management and support workers which includes those working in ancillary This study aims at studying risks at CSSD and hazard risk assessment. departments like Laundry, Dietary, Central Sterilization and Supply Department (CSSD), Laboratory, Mortuary, Ambulance Services and Administrative Departments. HCWs need protection from these workplace hazards just like workers in any other occupational settings.



Hazard Code Key				
	Blue	Electrical Hazards		
	Green	Chemical Hazards	1 -Low	
	Orange	Physical Hazards	2- Medium	
	Brown	Flammable	3- High	
	Yellow	Biological	3- Very High	



Study period: JAN 2023 - DEC 2023

Occupational Hazard Checklist by the "OSHA"13 Hazard mapping tool - European Agency for safety & Health at Work. Method of data collection: Survey, Observation, Interview

INTERVENTIONS

- Adoption of new occupational safety tool Job hazard Analysis JHA/JSA for each job - Proactive approach for safety
- Emergency preparedness spills, fires, equipment malfunctions
- Ergonomically designed workplace foot stool, chairs, lighting
- Incident reporting
- PPE Adherence Audit
- Hazard Communication labeling
- > Equipment maintenance
- Audiogram & Noise area signage
- Exhaust fan installation and weekly AC grill cleaning
- Periodic training on WRMSD Work related musculoskeletal

RESULTS

Description	Before	After
Adherence to PPE usage	30%	99%
Burns injury (per quarter)	8	2
Cut Injury (per quarter)	15	4
Attrition rate % (per month)	6.9%	3%
Absenteeism rate (per month)	11%	4%
Sick leave reasons (body ache)	25%	10%
Sick leave reasons (respiratory illness)	5%	0%
Staff awareness on chemical safety (dilution & MSDS)	80%	95%



JOB SAFETY ANALYSIS - JSA



DILUTION CHART - PICTORIAL



INJURY HOTLINE

CONCLUSIONS

The following strategies have found to be mitigating occupational risks

- > Regular education sessions, motivation and monitoring will help improve compliant use of PPEs.
- Discussing the types of safety hazards that confronting the CSSD personnel Explaining why safety concerns are critical in CSSDs.
- > Evaluating the benefits of safety audits in CSSDs
- > Describing a proactive approach to preventing workplace violence and accidents