



Dr. Laliv Egozi
Director of the Research unit

IIOSH ACTIVITIES

The purpose of the IIOSH as defined by law is "to promote safety and professional hygiene at work".

The main actions defined by the legislator are: to conduct educational and training activities; to conduct and publish research; to assist in appointing safety trustees and safety committees, to guide and encourage them in their actions; to assist the Occupational Safety and Hygiene Administration in its operations; to advise the Minister of Labour on matters related to safety and hygiene



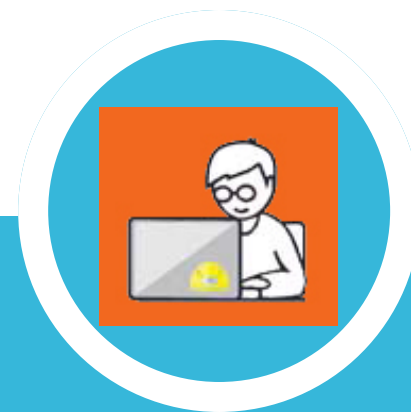
HYGIENE

Monitoring |
Inspections for
Social Insurance
claims |
Instruction



TRAINING AND INSTRUCTION

Construction |
Agriculture |
Industry | People
with disabilities
*9214 Hotline



EDUCATION

Safety
professionals |
Certified
Hygienists |
EHS professionals



PUBLICITY

Professional
material
Public relations
Social and
traditional
medias



RESEARCH

Assesment |
Intervention |
Policy

RESEARCH PROJECTS

Training
evaluation

Safety and
Injuries

Exposures
to
Vibrationn

Psychosocial
Environment
Safety & Health

Occupational
health during
War and Crisis

Policies and
Regulations



Our research team

Dr. Laliv Egozi

Organizational behavior

MA Social psychology

MPH Environmental & Occupational Health (soon)

B.Sc Food Engineering & Biotechnology

Hygienists

Dr. Asher Pardo

MSc Vitaly Proviz

MSc Konstantin Matveev

**Social
Science**

Dr. Ziv Karni-Efrati

**Occupational
Health policy**

Dr. Marganit ofir-Gutler

**Safety
professional**

Amir Gal – Research instructor

Training Evaluation



Exposure to Silica reduction

Hygienists **evaluate** exposure to silica in marble workshops
Educate and train employers and employees about safety controls and PPE usage
 A **second evaluation** three months later



Simulators

Crane operation
 Forklift
 Fire extinguisher

Measures:
 Satisfaction with the training and
 Self- efficacy



Exposure to Noise Reduction

- A. Ear-fit test for attenuation level of the earplug or earmuffs
- B. Training
- C. Retest
- D. A third test three months later



PPE at heights

- A. Two surveys tried to answer the question: Why they do not use PPE properly?
- B. Currently - preparation of training to address the main reasons
- C. In the future: Before - After intervention research



SAFETY AND WORK INJURIES



CRANE OPERATORS

A survey with 396 crane operators aimed at testing the association between

Work conditions: Physical and psychosocial and

Outcomes: Stress symptoms, mental health (Stress, burnout, loneliness) and work accidents

Status: Articles in writing



TRANSIENT FACTORS RELATED TO INJURIES

Aims: To determine potential transient factors to work injuries in different populations in north Israel
Population: Injured workers coming to the ER in hospital in Nazareth which is a main hospital for the Arabic population in north Israel.

Nurses trained for interviews will use a structured interview to differ usual from unusual events the days before the injury.



EXPOSURES TO VIBRATIONS

Hand-Arm or Whole body

AIMS:

1. To evaluate percentages of exposed workers in various industries (Metal, Marble, Agriculture, Carpenters, or Maintenance for regulation adaptations.
2. To adapt a model for evaluation of risks for implementation by safety professionals.
3. To assess symptoms prevalence according to TLV and Action Level

N=126 workers, 179 tools (only HAV)

11% Are exposed above TLV

54% Are exposed above Action level

Prevalence of symptoms (grip, numbness, pains) are significantly higher (even) at action level

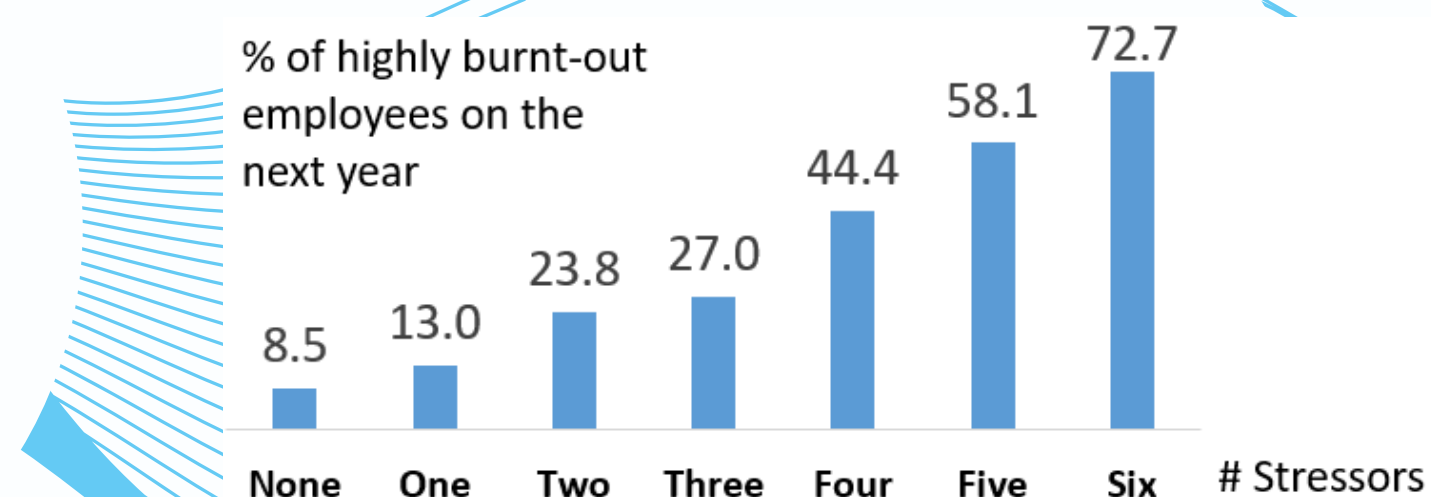
Status: In work until we reach ~200 workers exposed to HAV

PSYCHOSOCIAL FACTORS

SAFETY AND HEALTH

**Double consecutive
years questionnaires
2020-2021 and
2022-2023**

**2024 New 5-years
cohort, 5000
participants**



Odds Ratio 2023			
Factor	Work Injuries	Musculoskeletal impaired functioning	New chronic disease
Gender	0.99	1.07	0.73
Age	0.90	0.94	1.77
Education	0.92	0.95	0.970
Burnout 2022	1.43	1.25	1.34
Low 1	Reference		
Medium 2	1.87	1.15	1.37
High 3	2.51	1.64	1.78
very high 4	3.38	1.86	2.92
extreme 5	4.54	2.30	2.70

DF=1365

Future agenda

1. Assessment of prevalence of exposures to different psychosocial stressors
2. Assessment of prevalence of health outcomes
3. Determine associations to health and safety
4. Structure simple-to-use measurements and promote the discussion of values of stressors putting employees at risk

OCCUPATIONAL SAFETY & HEALTH DURING WAR

The war started after the October 7th attack on Israel has huge implications on work conditions, risks and hazards, workforce and employees' mental state

Safety Officers

Two surveys with Safety officers started on October:

1. New hazards or increased risks and how they handled them
2. Future concerns
3. Psychosocial Safety climate and employees state six months into the war

Safety and health

Survey with the participants of the work conditions and health annual survey

Two months into the war have doubled the reports of sleeping problems, stress, burnout and, musculoskeletal pains.

ER Records events analysis

Analyses of all the occupational injuries from ER records (Health Ministry Database) to test the hypothesis that war times increased the percentages of injuries at work.

Beurocracy phase - waiting for permissions

Vocational rehabilitation

Future Agenda

A study will focus on effectiveness of programs aimed at helping injured soldiers to stay/enter the workforce.

POLICIES AND LEGISLATION

RESEARCH



How to implement Occupational field in health records

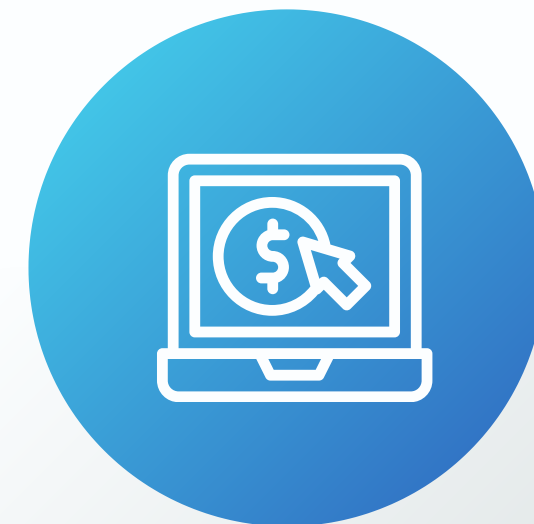
Interviews of key players in occupational health and medicine

Status: recommendation for the process in writing



Review of **Participative models for regulations enforcement** for better cooperation of employers and reduction of the regulatory burden

Status: Start



Future agenda

Effectiveness of current enforcement and fine policy of the inspection unit of the Ministry of Labor

Status: Initial discussions phase



THANK YOU

