

**2nd HEMISPHERIC WORKSHOP ON OCCUPATIONAL  
HEALTH AND SAFETY: “THE CHALLENGES OF  
OCCUPATIONAL HEALTH AND SAFETY (OHS) IN  
RELATION TO THE IV SUMMIT OF THE AMERICAS  
MANDATES AND SUBREGIONAL EXPERIENCES”**

**INDICATORS OF LABOR ACCIDENTS AND  
MORBIDITY AND MORTALITY BY  
PESTICIDES IN THE REGION OF THE  
AMERICAS**

**Antecedents, findings and proposals**

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# Antecedents PAHO - 1

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## **End of 90's:**

**Project: Systematization of basic data on worker's health in countries of the Americas**

**Multi phase project on surveillance of health and hazards in the workplace**

**2004 – Workshop in Santiago of Chile: Definition of two indicators for each one of prioritized health problems (labor accidents, morbidity and mortality by pesticides, musculoskeletal disorders) to be included in the Regional Initiative of Basic Data of Health and Country Profiles**



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# **Antecedents PAHO - 2**

**2005 – Workshop in Bogota, Colombia:  
Morbidity y mortality by pesticides in  
South America.**

**2005 - 2006: Proposal of technical sheets  
of indicators of labor accidents and  
morbidity and mortality by pesticides for  
the Regional Initiative of Basic Data of  
Health and Country Profiles**



# Proposed indicators for the Regional Initiative of Basic Data of Health and Country Profiles

## **Rates:**

**Labor accidents**

**Mortality by labor accidents**

**Acute poisonings by pesticides**

**Mortality by acute poisonings by pesticides**

## **Proportions:**

**Lethality by labor accidents**

**Lethality by acute poisonings by pesticides**





# Indicators - Technical sheets

- Identification of the indicator (name)
- Definitions and basic concepts
- Unit of measurement
- Type
- Interpretation
- Use
- Limitations of the indicator
- Calculation method and necessary data
- Available categories
- Sources of data



# Labor accident rate

**Rate of the number of registered labor accidents in a country in a calendar year and the total number of workers in the reference group in mid-year, by 100.000**

**“Labor accidents” includes all non-intentional accidental injuries at work**



# **Mortality by labor accidents**

**Rate of the number of registered fatal labor accidents in a country in a calendar year and the total number of workers in the reference population in mid-year , by 100.000**



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# **Lethality of labor accidents**

**Proportion of registered fatal labor accidents with respect to the total of registered labor accidents in a country in a certain year**





# **Morbidity by acute poisoning by pesticides**

**Rate of the number of registered cases of poisoning by pesticides in a country in a specific year and the total population in mid-year, by 100.000**



# **Mortality by acute poisoning by pesticides**

**Rate of the number of registered cases of deaths by poisoning by pesticides in a country in a specific year and the total population in mid-year, by 100.000**



# **Lethality of acute poisonings by pesticides**

**Proportion of registered fatal acute poisonings by pesticides with respect to the total of registered cases of acute poisoning by pesticides in a country in a certain year**



# **Search results - 1**

**Main sources of data:**

**Laborstat – ILO**

**Decent Work Data Base, ILO Central  
America**

**Ministries of Labor, Health or Social  
Assistance of countries**





## **Search results - 2**

- **Labor accidents**
  - **Last year of data available 1996 – 2006.**
  - **17 countries with information of 2002 or later.**
  - **Four countries without data.**



## **Search results - 3**

- **Morbidity and mortality by pesticides**
  - **Last year of data available: 1997 – 2005.**
  - **16 countries with information of 2002 or later.**
  - **Five countries without data.**



# Main difficulties to compare the data

- Different definitions of labor accident and acute poisoning by pesticides in countries of the Region
- Different indicators, specially in regard to the denominator → different population covered
- Variability of last year of available data



# Opportunities for cooperation in the Region

- **Existence of some sub-regional initiatives related to OHS information in the Region**
  - **Proposal of indicators - PAHO**
  - **SalTra, FundaCersso**
  - **ILO Central America – Decent Work**
  - **Andean Labor Observatory**





# Sub-regional initiatives - 1

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International  
Labour  
Organisation  
Decent Work for All

Subregional Office for Central America,  
Haiti, Panama and Dominican Republic

Labour Statistics

INDICATORS DATABASE



English [Español](#)

Search by topic:

Accidents at work  
Child labour  
Collective agreements  
Contracts  
Education

Go

Decent Work is work that ...

- ▶ is [Productive](#) (3 indicators)
- ▶ is [Justly Remunerated](#) (2 indicators)
- ▶ observes conditions of [Freedom](#) (5 indicators)
- ▶ observes conditions of [Equity](#) (8 indicators)
- ▶ observes conditions of [Security](#) (15 indicators)
- ▶ respects [Human Dignity](#) (5 indicators)

Cross-cutting themes:

- ▶ [Gender](#) (13 indicators)
- ▶ [Child labour](#) (5 indicators)

Search by country:

- [Costa Rica](#)
- [Cuba](#)
- [Dominican Republic](#)
- [El Salvador](#)
- [Guatemala](#)
- [Haiti](#)
- [Honduras](#)
- [Nicaragua](#)
- [Panama](#)

Search by indicator:

Informal employment rate  
Percentage distribution of educational attainment levels  
Index of labour productivity  
Income-related underemployment (reference: legal minimum wage)  
Income, minimum wage and labour productivity indices

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# Sub-regional initiatives - 2

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## Work and Health in Central America SALTRA



### Program on Work and Health in Central America

#### *Phase I (2003 – 2007)*

Two million workers are injured during work in Central America each year. This means that one out of six workers suffers a work-related accident severe enough to seek medical attention. This is a problem of epidemic proportions, yet occupational diseases are often unrecognized and unattended, and their socioeconomic consequences are seldom addressed.

The Program on Work and Health in Central America will tackle these problems. Building on a long-standing collaboration in occupational safety and health between Swedish and Central American institutions, we improvements in production efficiency and public health.

- ♦ **Prevention**
- ♦ **Intervention**
- ♦ **Health promotion**
- ♦ **Empowerment**
- ♦ **Surveillance**
- ♦ **Information dissemination**
- ♦ **Training**

#### Contact Information

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[Occupational  
Safety and  
Health  
&  
Development  
\(Training  
Programme\)](#)

[Network](#)

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 [Saltra](#)

 [T timetable](#)



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# Sub-regional initiatives - 3

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# Sub-regional initiatives - 4

QUIENES SOMOS	EJES DE ACCIÓN DE LA CAN	INSTITUCIONES	NORMATIVA ANDINA	DOCUMENTOS	SERVICIOS
  				 <b>Sociolaboral</b> <ul style="list-style-type: none"> <li>Fomento al Empleo</li> <li>Formación y Capacitación Laboral</li> <li>Seguridad Social</li> <li>Migración Laboral</li> <li>Seguridad y Salud en el Trabajo</li> <li>El Observatorio Laboral Andino</li> </ul>	
<h2>Observatorio Laboral Andino</h2> <p>En la II Reunión del Consejo Asesor de Ministros de Trabajo de la Comunidad Andina celebrada en La Paz en diciembre de 2001, se aprobó la iniciativa de constituir un Observatorio Laboral Andino con sede en La Paz, Bolivia. Posteriormente, con la suscripción del <a href="#">Acuerdo Marco Tripartito</a> entre las Presidencias del Consejo Asesor de Ministros de Trabajo y de los Consejos Consultivos Empresarial y Laboral Andinos en Lima en diciembre de 2002, se manifestó la voluntad y el interés de los tres sectores por aunar esfuerzos en la constitución del Observatorio Laboral Andino y que, en el marco del <a href="#">Convenio Simón Rodríguez</a>, dicho Observatorio se convierta en el instrumento fundamental para el análisis, definición y seguimiento de las políticas comunitarias en materia sociolaboral en la subregión.</p> <p>Actualmente se avanza en la puesta en marcha del Plan Piloto del Observatorio Laboral Andino. En esta primera etapa se busca construir una base de datos que recopile y sistematice información estadística, normativa y documental, principalmente, sobre los cinco ejes temáticos sociolaborales del Mercado Común Andino y que sirva de referencia para la orientación de las acciones a nivel comunitario en esta materia.</p>					





# **Opportunities for cooperation in the Region**

- **Very active processes of regional and sub-regional integration**
- **Interest of countries and international organizations**
- **Cooperation agreement PAHO - ILO**
- **Social security systems under reform**
- **Development of OHS information systems by Ministries of Labor and Health and Social Security Institutions - integrate**



# Process for a uniform system of basic indicators of OHS for the Region of the Americas

- **Agree basic information necessities**
- **Agree indicators for those necessities**
- **Agree uniform definitions of indicators**
- **Define sources of information and person or department in charge of gathering information in each country**
- **Define institution in charge of consolidating, analyzing and disseminating the information to the participants and other interested parties**
- **Define timetable**



**It looks simple, but it isn't. The good news is the people with the power to make this dream to come reality is attending this II Hemispheric Workshop.**

**Thank you very much for you kind attention**



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