
Making the Best Use of a NIOSH Occupational Health Indicator Data Collection Tool

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**Workplace
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Agenda

The Occupational Health Indicator Data Collection Tool

- ❑ **Background**
- ❑ **Use and Basic Functions**
- ❑ **Demonstration**
- ❑ **Pilot Test**

Occupational Health Indicators (OHI)

■ **Data that:**

- Measure the baseline health of working populations
- Track changes that take place over time

■ **20 indicators**

- 13 health effect indicators
- 1 exposure indicator
- 3 hazard indicators
- 2 intervention indicators
- 1 socio-economic impact indicator
- State profile of employment demographics

OHI DATA COLLECTION TOOL



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OHI Data Collection Tool

- Based on CSTE' s Occupational Health Indicators: A Guide for Tracking Work-Related Health Conditions and Their Determinants
 - “OHI How To Guide”
- Built in Microsoft Access

Basic Functions of the Tool

- ❑ **Provides easy to use template for inputting raw data**
- ❑ **Stores OHI data for all 20 OHIs and demographics**
- ❑ **Calculates crude rates, age standardized rates, and percentages based on OHI How To Guide using built in calculation queries**
- ❑ **Generates OHI reports based on user-defined parameters**
 - Year(s) and state(s) of interest
 - Includes count and rate/percentage data
- ❑ **Generates bar or line graphs based on user-defined parameters**
 - Year(s) and state(s) of interest
 - Primarily rate or percentages based

Additional functions of the Tool

■ **Users can**

- Import historical data using a MS Excel spreadsheet
- Export the data into a MS Word, Excel, or a PDF document
- Generate a report that is similar to the format for yearly OHI submission
- Utilize built in QA/QC mechanisms to ensure that data has been collected, entered, and calculated correctly

Occupational Health Indicator Tool (Continued)

■ **What it is not:**

- It does not automatically obtain OHI data
 - Data must still be obtained from the sources identified in the OHI How To Guide
 - Epidemiologists must still input and understand their own state's data
- It does not automatically interpret the OHI Data
 - Epidemiologists must still interpret the rate and trend data as they pertain to their state

***DEMONSTRATION OF THE
OCCUPATIONAL HEALTH
INDICATORS DATA
COLLECTION TOOL***



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Next Steps

- ❑ **Pilot test it internally and externally**
- ❑ **Finalize the tool and user's manual in fall 2011**
- ❑ **Will be an NIOSH product on the NIOSH website**

Questions?

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NIOSH Website:

<http://www.cdc.gov/niosh>

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Occupational Health Indicators

- **Indicator 1: Non-fatal Injuries and Illnesses**
- **Indicator 2: Work-Related Hospitalizations**
- **Indicator 3: Fatal Work-Related Injuries**
- **Indicator 4: Work-Related Amputations with Days Away from Work Reported by Employers**
- **Indicator 5: Amputations Identified in State Workers' Compensation Systems**
- **Indicator 6: Hospitalizations for Work-Related Burns**

Occupational Health Indicators

- **Indicator 7:** Work-Related Musculoskeletal Disorders with Days Away from Work Reported by Employers
- **Indicator 8:** Carpal Tunnel Syndrome Cases Identified in State Workers' Compensation Systems
- **Indicator 9:** Pneumoconiosis Hospitalizations
- **Indicator 10:** Pneumoconiosis Mortality
- **Indicator 11:** Acute Work-Related Pesticide Poisonings Reported to Poison Control Centers

Occupational Health Indicators

- **Indicator 12:** Incidence of Malignant Mesothelioma
- **Indicator 13:** Elevated Blood Lead Levels Among Adults
- **Indicator 14:** Workers Employed in Industries with High Risk for Occupational Morbidity
- **Indicator 15:** Workers Employed in Occupations with High Risk for Occupational Morbidity

Occupational Health Indicators

- **Indicator 16:** Workers Employed in Industries and Occupations with High Risk for Occupational Mortality
- **Indicator 17:** Occupational Safety and Health Professionals
- **Indicator 18:** OSHA Enforcement Activities
- **Indicator 19:** Workers' Compensation Awards