

## Appendix A: Industries with High Risk for Occupational Morbidity

For Indicator 14, industries with high rates of occupational morbidity were identified through the Bureau of Labor Statistics (BLS) Survey of Occupational Injuries and Illnesses (Annual Survey). Prior to 2003, the BLS Annual Survey classified industries using the Standard Industry Classification (SIC) system; however, the Census County Business Patterns (CBP) data used to determine state employment by industry were coded using the North American Industrial Classification system (NAICS) since 1998. Therefore, 'high-risk' industries identified through SIC codes were converted to NAICS codes to generate this indicator for 2000 – 2002. From 2003 on, both the BLS Annual Survey data and the County Business Patterns data use NAICS.

### 'High-Risk' Industries, 2000 – 2002

The following industries were identified as "high-risk" because they had injury and illness rates greater than 13 cases per 100 full time workers – more than twice the overall national injury and illness rate – according to the BLS Annual Survey in 1999 (the most recent data available when the indicator was originally developed). In generating Indicator 14 for years 2000 – 2002, the following NAICS codes were used to identify industries with high risk for occupational morbidity in the Census County Business Patterns data. These NAICS codes were converted from SIC codes.

| NAICS Code | Industry                                                                  |
|------------|---------------------------------------------------------------------------|
| 3116       | Meat Product Manufacturing                                                |
| 321113     | Saw Mills                                                                 |
| 321912     | Cut Stock, Resawing Lumber and Planing                                    |
| 321918     | Other Millwork including Flooring                                         |
| 32192      | Wood Container and Pallet Manufacturing                                   |
| 321999     | All Other Miscellaneous Wood Product Manufacturing                        |
| 327112     | Vitreous China, Fine Earthenware, and Other Pottery Product Manufacturing |
| 327113     | Porcelain Electrical Supply Manufacturing                                 |
| 3273       | Cement and Concrete Product Manufacturing                                 |
| 3274       | Lime and Gypsum Product Manufacturing                                     |
| 327999     | All Other Misc. Nonmetallic Mineral Product Manufacturing                 |
| 331312     | Primary Aluminum Production                                               |
| 331314     | Secondary Smelting and Alloying of Aluminum                               |
| 33141      | Nonferrous Metal (except Aluminum) Smelting and Refining                  |
| 331423     | Secondary Smelting, Refining, and Alloying of Copper                      |
| 331492     | Other Nonferrous Metal Secondary Smelting, Refining, and Alloying         |
| 33151      | Ferrous Metal Foundries                                                   |
| 33152      | Nonferrous Metal Foundries                                                |
| 332111     | Iron and steel Forging                                                    |
| 332112     | Nonferrous Forging                                                        |
| 332114     | Custom Roll Forming                                                       |
| 332115     | Crown and Closure Manufacturing                                           |

|        |                                                                                         |
|--------|-----------------------------------------------------------------------------------------|
| 332116 | Metal Stamping                                                                          |
| 33221  | Cutlery and Handtool Manufacturing                                                      |
| 33231  | Plate Work and Fabricated Structural Product Manufacturing                              |
| 33232  | Ornamental and Architectural Metal Product Manufacturing                                |
| 33241  | Power Boiler and Heat Exchanger Manufacturing                                           |
| 33242  | Metal Tank (Heavy Gauge) Manufacturing                                                  |
| 332439 | Other Metal Container Manufacturing                                                     |
| 33251  | Hardware Manufacturing                                                                  |
| 332722 | Bolt, Nut, Screw, Rivet, and Washer Manufacturing                                       |
| 332999 | All Other Misc. Fabricated Metal Product Manufacturing                                  |
| 33312  | Construction Machinery Manufacturing                                                    |
| 33313  | Mining and Oil and Gas Field Machinery Manufacturing                                    |
| 333311 | Automatic Vending Machine Manufacturing                                                 |
| 333312 | Commercial Laundry, Dry-Cleaning, and Pressing Machine Manufacturing                    |
| 333319 | Other Commercial and Service Industry Machinery Manufacturing                           |
| 333414 | Heating Equipment (except Warm Air Furnaces) Manufacturing                              |
| 333415 | Air Conditioning and Warm Air Heating and Commercial Refrigeration Equip. Manufacturing |
| 333913 | Measuring and Dispensing Pump Manufacturing                                             |
| 33392  | Material Handling Equipment Manufacturing                                               |
| 3361   | Motor Vehicle Manufacturing                                                             |
| 3362   | Motor Vehicle Body and Trailer Manufacturing                                            |
| 336312 | Gasoline Engine and Engine Parts Manufacturing                                          |
| 336322 | Other Motor Vehicle Electrical and Electronic Equipment Manufacturing                   |
| 33633  | Motor Vehicle Steering and Suspension Component (Except Springs) Manufacturing          |
| 33634  | Motor Vehicle Brake System Manufacturing                                                |
| 33635  | Motor Vehicle Transmission and power Train Parts Manufacturing                          |
| 33637  | Motor Vehicle Metal Stamping                                                            |
| 336391 | Motor Vehicle Air Conditioning Manufacturing                                            |
| 336399 | All Other Motor Vehicle Parts Manufacturing                                             |
| 3365   | Railroad Rolling Stock Manufacturing                                                    |
| 33661  | Ship and Boat Building                                                                  |
| 33699  | Other Transportation Equipment Manufacturing                                            |
| 337127 | Institutional Furniture Manufacturing                                                   |
| 337212 | Custom Architectural Woodwork and Millwork Manufacturing                                |
| 337215 | Showcase, Partition, Shelving, and Locker Manufacturing                                 |
| 4215   | Metal and Mineral (except Petroleum) Wholesale                                          |
| 48111  | Scheduled Air Transportation                                                            |
| 48839  | Other Support Activities for Water Transportation                                       |
| 62311  | Nursing Care Facilities                                                                 |
| 62321  | Residential Mental Retardation Facilities                                               |
| 623311 | Continuing Care Retirement Communities                                                  |
| 71213  | Zoos and Botanical Gardens                                                              |

### 'High-Risk' Industries, 2003 - 2008

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The following 37 industries were identified as "high risk" because they had injury and illness rates of at least 10 cases per 100 full-time workers – twice the national injury and illness rate – according to the BLS Annual Survey in 2003.

In generating Indicator 14 for years 2003 - 2008, the following NAICS codes were used to identify industries with high risk for occupational morbidity in the Census County Business Patterns data.

#### NAICS

| Code   | Industry                                                             |
|--------|----------------------------------------------------------------------|
| 23813  | Framing contractors                                                  |
| 31131  | Sugar manufacturing                                                  |
| 311511 | Fluid milk manufacturing                                             |
| 311512 | Creamery butter manufacturing                                        |
| 31161  | Animal slaughtering and processing                                   |
| 311821 | Cookie and cracker manufacturing                                     |
| 312    | Beverage and tobacco product manufacturing                           |
| 316211 | Rubber and plastic footwear manufacturing                            |
| 321    | Wood product manufacturing                                           |
| 322299 | All other converted paper product manufacturing                      |
| 327213 | Glass container manufacturing                                        |
| 327331 | Concrete block and brick manufacturing                               |
| 32739  | Other concrete product manufacturing                                 |
| 3312   | Steel product manufacturing from purchased steel                     |
| 3315   | Foundries                                                            |
| 332211 | Cutlery and flatware manufacturing                                   |
| 33231  | Plate work and fabricated structural product manufacturing           |
| 332323 | Ornamental and architectural metal work manufacturing                |
| 33261  | Spring and wire product manufacturing                                |
| 332919 | Other metal valve and pipe fitting manufacturing                     |
| 332998 | Enameled iron and metal sanitary ware manufacturing                  |
| 332999 | All other miscellaneous fabricated metal product manufacturing       |
| 333312 | Commercial laundry, dry cleaning, and pressing machine manufacturing |
| 333412 | Industrial and commercial fan and blower manufacturing               |
| 333923 | Overhead traveling crane, hoist, and monorail system manufacturing   |
| 3361   | Motor vehicle manufacturing                                          |
| 33621  | Motor vehicle body and trailer manufacturing                         |
| 33635  | Motor vehicle transmission and power train parts manufacturing       |
| 33637  | Motor vehicle metal stamping                                         |

|       |                                                                   |
|-------|-------------------------------------------------------------------|
| 33661 | Ship and boat building                                            |
| 4248  | Beer, wine, and distilled alcoholic beverage merchant wholesalers |
| 4811  | Scheduled air transportation                                      |
| 4851  | Urban transit systems                                             |
| 492   | Couriers and messengers                                           |
| 49311 | General warehousing and storage                                   |
| 623   | Nursing and residential care facilities                           |
| 7131  | Amusement parks and arcades                                       |

#### **Technical Note:**

The list of high-risk industries will be updated every five years to reflect changes in industries with high risk for occupational morbidity over time. For example, the industries at high risk for occupational morbidity according to the 1999 BLS Annual Survey may differ somewhat from the high-risk industries identified through the 2003 BLS Annual Survey. It is not anticipated that year-to-year changes will have significant effect on comparative or trend analyses, but these changes will be evaluated.