

## Work-related asthma: Primary industries associated with work-related asthma cases by state, 1993–2002 (page 1 of 2)

| Industry (SIC)  | California |             | Massachusetts |             | Michigan     |             | New Jersey |             | Total        |             |
|---|------------|-------------|---------------|-------------|--------------|-------------|------------|-------------|--------------|-------------|
|   | No.        | %           | No.           | %           | No.          | %           | No.        | %           | No.          | %           |
| <b>Agriculture, forestry, and fishing</b>                                       | <b>76</b>  | <b>4.1</b>  | <b>5</b>      | <b>1.0</b>  | <b>8</b>     | <b>0.5</b>  | <b>2</b>   | <b>0.8</b>  | <b>91</b>    | <b>2.2</b>  |
| Agricultural production crops (01)  | 33         | 1.8         | -             | -           | 2            | 0.1         | -          | -           | 35           | 0.8         |
| Agricultural services (07)  | 17         | 0.9         | 3             | 0.6         | 2            | 0.1         | 2          | 0.8         | 24           | 0.6         |
| Forestry (08)   | 20         | 1.1         | -             | -           | -            | -           | -          | -           | 20           | 0.5         |
| Agricultural production livestock and animal specialties (02)                   | 4          | 0.2         | 2             | 0.4         | 4            | 0.3         | -          | -           | 10           | 0.2         |
| All others within this division   | 2          | 0.1         | -             | -           | -            | -           | -          | -           | 2            | 0.0         |
| <b>Mining (10,13,14)</b>  | <b>2</b>   | <b>0.1</b>  | <b>-</b>      | <b>-</b>    | <b>3</b>     | <b>0.2</b>  | <b>-</b>   | <b>-</b>    | <b>5</b>     | <b>0.1</b>  |
| <b>Construction</b>   | <b>62</b>  | <b>3.3</b>  | <b>21</b>     | <b>4.2</b>  | <b>36</b>    | <b>2.4</b>  | <b>16</b>  | <b>6.2</b>  | <b>135</b>   | <b>3.3</b>  |
| Construction, special trade contractors (17)                                    | 34         | 1.8         | 14            | 2.8         | 31           | 2.1         | 14         | 5.4         | 93           | 2.3         |
| Building construction, general contractors and operative builders (15)          | 18         | 1.0         | 2             | 0.4         | 1            | 0.1         | 1          | 0.4         | 22           | 0.5         |
| Heavy construction other than building construction, contractors (16)           | 10         | 0.5         | 5             | 1.0         | 4            | 0.3         | 1          | 0.4         | 20           | 0.5         |
| <b>Manufacturing</b>  | <b>274</b> | <b>14.7</b> | <b>126</b>    | <b>25.3</b> | <b>1,004</b> | <b>66.7</b> | <b>93</b>  | <b>35.9</b> | <b>1,497</b> | <b>36.2</b> |
| Transportation equipment (37)   | 47         | 2.5         | 4             | 0.8         | 631          | 41.9        | 4          | 1.5         | 686          | 16.6        |
| Chemicals and allied products (28)  | 20         | 1.1         | 22            | 4.4         | 47           | 3.1         | 22         | 8.5         | 111          | 2.7         |
| Fabricated metal products except machinery and transportation equipment (34)    | 21         | 1.1         | 12            | 2.4         | 62           | 4.1         | 2          | 0.8         | 97           | 2.3         |
| Industrial and commercial machinery and computer equipment (35)                 | 22         | 1.2         | 13            | 2.6         | 53           | 3.5         | 3          | 1.2         | 91           | 2.2         |
| Food and kindred products (20)  | 41         | 2.2         | 9             | 1.8         | 23           | 1.5         | 15         | 5.8         | 88           | 2.1         |
| Rubber and miscellaneous plastics products (30)                                 | 3          | 0.2         | 7             | 1.4         | 53           | 3.5         | 8          | 3.1         | 71           | 1.7         |
| Electronic and other electrical equipment and components, except computers (36) | 29         | 1.6         | 14            | 2.8         | 11           | 0.7         | 8          | 3.1         | 62           | 1.5         |
| Primary metal industries (33)   | 8          | 0.4         | -             | -           | 44           | 2.9         | 8          | 3.1         | 60           | 1.5         |
| Lumber and wood products, except furniture (24)                                 | 32         | 1.7         | 1             | 0.2         | 14           | 0.9         | -          | -           | 47           | 1.1         |
| Miscellaneous manufacturing industries (39)                                     | 9          | 0.5         | 12            | 2.4         | 18           | 1.2         | 2          | 0.8         | 41           | 1.0         |
| Measuring, analyzing, and controlling instruments (38)                          | 15         | 0.8         | 10            | 2.0         | 6            | 0.4         | 2          | 0.8         | 33           | 0.8         |
| Stone, clay, glass, and concrete products (32)                                  | 14         | 0.7         | 2             | 0.4         | 9            | 0.6         | 2          | 0.8         | 27           | 0.7         |
| Paper and allied products (26)  | 3          | 0.2         | 6             | 1.2         | 10           | 0.7         | 7          | 2.7         | 26           | 0.6         |
| Printing, publishing, and allied industries (27)                                | 3          | 0.2         | 5             | 1.0         | 14           | 0.9         | 3          | 1.2         | 25           | 0.6         |
| All others within this division   | 7          | 0.4         | 9             | 1.8         | 9            | 0.6         | 7          | 2.7         | 32           | 0.8         |
| <b>Transportation</b>   | <b>154</b> | <b>8.2</b>  | <b>12</b>     | <b>2.4</b>  | <b>29</b>    | <b>1.9</b>  | <b>11</b>  | <b>4.2</b>  | <b>206</b>   | <b>5.0</b>  |
| Local and suburban transit and interurban highway passenger transportation (41) | 39         | 2.1         | 2             | 0.4         | 2            | 0.1         | 4          | 1.5         | 47           | 1.1         |
| Communications (48)   | 39         | 2.1         | 1             | 0.2         | 3            | 0.2         | -          | -           | 43           | 1.0         |
| Electric, gas, and sanitary services (49)                                       | 26         | 1.4         | 4             | 0.8         | 7            | 0.5         | 2          | 0.8         | 39           | 0.9         |
| Motor freight transportation and warehousing (42)                               | 24         | 1.3         | -             | -           | 7            | 0.5         | 2          | 0.8         | 33           | 0.8         |
| Transportation by air (45)  | 14         | 0.7         | 2             | 0.4         | 3            | 0.2         | 1          | 0.4         | 20           | 0.5         |
| United States Postal service (43)   | 11         | 0.6         | -             | -           | 2            | 0.1         | -          | -           | 13           | 0.3         |
| All others within this division   | 1          | 0.1         | 3             | 0.6         | 5            | 0.3         | 2          | 0.8         | 11           | 0.3         |
| <b>Wholesale trade</b>  | <b>38</b>  | <b>2.0</b>  | <b>9</b>      | <b>1.8</b>  | <b>21</b>    | <b>1.4</b>  | <b>5</b>   | <b>1.9</b>  | <b>73</b>    | <b>1.8</b>  |
| Wholesale trade, durable goods (50)   | 18         | 1.0         | 5             | 1.0         | 12           | 0.8         | 2          | 0.8         | 37           | 0.9         |
| Wholesale trade, nondurable goods (51)  | 20         | 1.1         | 4             | 0.8         | 9            | 0.6         | 3          | 1.2         | 36           | 0.9         |

See footnotes at end of table.

## Work-related asthma: Primary industries associated with work-related asthma cases by state, 1993–2002 (page 2 of 2)

| Industry (SIC)   | California   |              | Massachusetts |              | Michigan     |              | New Jersey |              | Total        |              |
|--|--------------|--------------|---------------|--------------|--------------|--------------|------------|--------------|--------------|--------------|
|  | No.          | %            | No.           | %            | No.          | %            | No.        | %            | No.          | %            |
| <b>Retail trade</b>  | <b>94</b>    | <b>5.0</b>   | <b>20</b>     | <b>4.0</b>   | <b>43</b>    | <b>2.9</b>   | <b>6</b>   | <b>2.3</b>   | <b>163</b>   | <b>3.9</b>   |
| Eating and drinking places (58)  | 19           | 1.0          | 5             | 1.0          | 13           | 0.9          | -          | -            | 37           | 0.9          |
| Food stores (54)   | 22           | 1.2          | 4             | 0.8          | 7            | 0.5          | 2          | 0.8          | 35           | 0.8          |
| Miscellaneous retail (59)  | 16           | 0.9          | 3             | 0.6          | 5            | 0.3          | 1          | 0.4          | 25           | 0.6          |
| Automotive dealers and gasoline service stations (55)                    | 11           | 0.6          | 2             | 0.4          | 8            | 0.5          | 2          | 0.8          | 23           | 0.6          |
| General merchandise stores (53)  | 13           | 0.7          | 2             | 0.4          | 6            | 0.4          | 1          | 0.4          | 22           | 0.5          |
| All others within this division  | 13           | 0.7          | 4             | 0.8          | 4            | 0.3          | -          | -            | 21           | 0.5          |
| <b>Finance, insurance, and real estate</b>                               | <b>56</b>    | <b>3.0</b>   | <b>4</b>      | <b>0.8</b>   | <b>12</b>    | <b>0.8</b>   | <b>2</b>   | <b>0.8</b>   | <b>74</b>    | <b>1.8</b>   |
| Insurance carriers (63)  | 15           | 0.8          | 2             | 0.4          | 3            | 0.2          | 1          | 0.4          | 21           | 0.5          |
| Real estate (65)   | 16           | 0.9          | -             | -            | 5            | 0.3          | -          | -            | 21           | 0.5          |
| Depository institutions (60)   | 17           | 0.9          | 1             | 0.2          | 1            | 0.1          | -          | -            | 19           | 0.5          |
| All others within this division  | 8            | 0.4          | 1             | 0.2          | 3            | 0.3          | -          | -            | 13           | 0.3          |
| <b>Services</b>  | <b>828</b>   | <b>44.3</b>  | <b>253</b>    | <b>50.7</b>  | <b>303</b>   | <b>20.1</b>  | <b>73</b>  | <b>28.2</b>  | <b>1,457</b> | <b>35.3</b>  |
| Health services (80)   | 307          | 16.4         | 145           | 29.1         | 165          | 11.0         | 34         | 13.1         | 651          | 15.8         |
| Educational services (82)  | 242          | 13           | 64            | 12.8         | 60           | 4.0          | 17         | 6.6          | 383          | 9.3          |
| Social services (83)   | 92           | 4.9          | 5             | 1.0          | 8            | 0.5          | 5          | 1.9          | 110          | 2.7          |
| Business services (73)   | 61           | 3.3          | 6             | 1.2          | 14           | 0.9          | 2          | 0.8          | 83           | 2.0          |
| Amusement and recreation services (79)                                   | 36           | 1.9          | 4             | 0.8          | 6            | 0.4          | -          | -            | 46           | 1.1          |
| Engineering, accounting, research, management, and related services (87) | 26           | 1.4          | 6             | 1.2          | 7            | 0.5          | 5          | 1.9          | 44           | 1.1          |
| Hotels, rooming houses, camps and other lodging places (70)              | 15           | 0.8          | 3             | 0.6          | 14           | 0.9          | 2          | 0.8          | 34           | 0.8          |
| Automotive repair, services and parking (75)                             | 15           | 0.8          | 7             | 1.4          | 9            | 0.6          | 3          | 1.2          | 34           | 0.8          |
| Personal services (72)   | 11           | 0.6          | 8             | 1.6          | 10           | 0.7          | 3          | 1.2          | 32           | 0.8          |
| Membership organizations (86)  | 9            | 0.5          | 3             | 0.6          | 4            | 0.3          | -          | -            | 16           | 0.4          |
| Miscellaneous repair services (76)                                       | 6            | 0.3          | 1             | 0.2          | 2            | 0.1          | 1          | 0.4          | 10           | 0.2          |
| All others within this division  | 8            | 0.4          | 1             | 0.2          | 4            | 0.3          | 1          | 0.4          | 14           | 0.3          |
| <b>Public administration</b>   | <b>266</b>   | <b>14.2</b>  | <b>49</b>     | <b>9.8</b>   | <b>41</b>    | <b>2.7</b>   | <b>19</b>  | <b>7.3</b>   | <b>375</b>   | <b>9.1</b>   |
| Justice, public order, and safety (92)                                   | 133          | 7.1          | 20            | 4.0          | 19           | 1.3          | 5          | 1.9          | 177          | 4.3          |
| Executive, legislative, general government, except finance (91)          | 50           | 2.7          | 7             | 1.4          | 1            | 0.1          | 6          | 2.3          | 64           | 1.5          |
| Administration of economic programs (96)                                 | 22           | 1.2          | 13            | 2.6          | 6            | 0.4          | 1          | 0.4          | 42           | 1.0          |
| Administration of human resource programs (94)                           | 28           | 1.5          | 4             | 0.8          | 6            | 0.4          | 3          | 1.2          | 41           | 1.0          |
| Administration of environmental quality and housing programs (95)        | 11           | 0.6          | 1             | 0.2          | 6            | 0.4          | -          | -            | 18           | 0.4          |
| Public finance, taxation, and monetary policy (93)                       | 14           | 0.7          | 1             | 0.2          | 1            | 0.1          | 1          | 0.4          | 17           | 0.4          |
| National security and international affairs (97)                         | 8            | 0.4          | 3             | 0.6          | 2            | 0.1          | 3          | 1.2          | 16           | 0.4          |
| <b>Unclassifiable</b>  | <b>18</b>    | <b>1.0</b>   | <b>-</b>      | <b>-</b>     | <b>6</b>     | <b>0.4</b>   | <b>32</b>  | <b>12.4</b>  | <b>56</b>    | <b>1.4</b>   |
| <b>TOTAL</b>   | <b>1,868</b> | <b>100.0</b> | <b>499</b>    | <b>100.0</b> | <b>1,506</b> | <b>100.0</b> | <b>259</b> | <b>100.0</b> | <b>4,132</b> | <b>100.0</b> |

- indicates no cases reported. SIC - Standard Industrial Classification

NOTE: Percentages are based on total number of cases by state, but may not sum to 100% due to rounding. See appendices for source description and methods.

SOURCE: Provisional Sentinel Event Notification Systems for Occupational Risks surveillance data as of September 2006, reported by R Harrison and J Flattery (California); L Davis, E Pechter, and M Sharma (Massachusetts); K Rosenman, MJ Reilly, and D Kalinowski (Michigan); and D Valiante, D Schill, and K McGreevy (New Jersey).