

**MSHA AT A GLANCE (FY 1978-2025)**

| <b>All Mine Safety and Health</b>                    | <b>2019</b> | <b>2020</b> | <b>2021</b> | <b>2022</b> | <b>2023</b> | <b>2024</b> | <b>2025</b> |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Number of Mines                                      | 13,105      | 12,920      | 12,687      | 12,702      | 12,740      | 12,789      | 12,568      |
| Number of Miners*                                    | 336,322     | 305,929     | 298,596     | 313,624     | 324,903     | 330,122     | 327,465     |
| Fatalities*  | 34          | 23          | 39          | 33          | 41          | 31          | 28          |
| Fatal Injury Rate <sup>1*</sup>                      | .0119       | .0090       | .0156       | .0123       | .0146       | .0110       | .0101       |
| All Injury Rate <sup>1*</sup>                        | 2.06        | 1.90        | 1.91        | 1.89        | 1.85        | 1.82        | 1.77        |
| Total Mining Area Inspection Hours/Mine <sup>2</sup> | 48          | 42          | 39          | 40          | 41          | 42          | 41          |
| Citations and Orders Issued <sup>3, 4</sup>          | 99,541      | 82,781      | 76,983      | 85,716      | 94,045      | 94,352      | 87,372      |
| S&S Citations and Orders (%)                         | 20%         | 18%         | 19%         | 19%         | 19%         | 18%         | 18%         |
| Dollar Amount Assessed (Millions) <sup>4</sup>       | 55.0        | 42.2        | 40.9        | 54.6        | 69.4        | 71.1        | 62.4        |

| <b>All Mine Safety and Health</b>                    | <b>2012</b> | <b>2013</b> | <b>2014</b> | <b>2015</b> | <b>2016</b> | <b>2017</b> | <b>2018</b> |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Number of Mines                                      | 14,273      | 14,006      | 13,768      | 13,510      | 13,267      | 13,190      | 13,164      |
| Number of Miners*                                    | 393,966     | 378,652     | 372,716     | 359,565     | 327,257     | 322,321     | 332,578     |
| Fatalities*  | 44          | 34          | 48          | 38          | 24          | 26          | 22          |
| Fatal Injury Rate <sup>1*</sup>                      | .0133       | .0106       | .0154       | .0126       | .0089       | .0097       | .0078       |
| All Injury Rate <sup>1*</sup>                        | 2.65        | 2.48        | 2.46        | 2.39        | 2.17        | 2.19        | 2.08        |
| Total Mining Area Inspection Hours/Mine <sup>2</sup> | 59          | 56          | 56          | 54          | 52          | 53          | 50          |
| Citations and Orders Issued <sup>3, 4</sup>          | 144,934     | 121,979     | 119,839     | 112,342     | 96,528      | 103,425     | 99,597      |
| S&S Citations and Orders (%)                         | 27%         | 25%         | 25%         | 24%         | 22%         | 21%         | 20%         |
| Dollar Amount Assessed (Millions) <sup>4</sup>       | 143.6       | 96.0        | 99.0        | 71.6        | 53.7        | 54.7        | 55.6        |

| <b>All Mine Safety and Health</b>                    | <b>2005</b> | <b>2006</b> | <b>2007</b> | <b>2008</b> | <b>2009</b> | <b>2010</b> | <b>2011</b> |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Number of Mines                                      | 14,693      | 14,974      | 14,934      | 15,057      | 14,832      | 14,493      | 14,370      |
| Number of Miners*                                    | 346,596     | 363,930     | 379,404     | 393,649     | 371,658     | 358,826     | 380,022     |
| Fatalities*  | 57          | 74          | 67          | 52          | 43          | 65          | 36          |
| Fatal Injury Rate <sup>1*</sup>                      | .0182       | .0225       | .0200       | .0152       | .0140       | .0219       | .0112       |
| All Injury Rate <sup>1*</sup>                        | 3.93        | 3.72        | 3.50        | 3.27        | 3.06        | 2.86        | 2.77        |
| Total Mining Area Inspection Hours/Mine <sup>2</sup> | 45          | 41          | 40          | 51          | 55          | 59          | 59          |
| Citations and Orders Issued <sup>3, 4</sup>          | 124,756     | 139,758     | 136,865     | 171,842     | 173,725     | 172,088     | 157,627     |
| S&S Citations and Orders (%)                         | 32%         | 32%         | 30%         | 27%         | 28%         | 32%         | 29%         |
| Dollar Amount Assessed (Millions) <sup>4</sup>       | 26.6        | 39.1        | 98.8        | 154.3       | 136.9       | 159.7       | 149.6       |

| <b>All Mine Safety and Health</b>                    | <b>1998</b> | <b>1999</b> | <b>2000</b> | <b>2001</b> | <b>2002</b> | <b>2003</b> | <b>2004</b> |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Number of Mines                                      | 13,946      | 14,189      | 14,527      | 14,685      | 14,690      | 14,552      | 14,556      |
| Number of Miners*                                    | 362,420     | 357,016     | 353,422     | 350,575     | 338,791     | 323,375     | 331,199     |
| Fatalities*  | 80          | 82          | 88          | 71          | 72          | 65          | 50          |
| Fatal Injury Rate <sup>1*</sup>                      | .0244       | .0255       | .0279       | .0229       | .0242       | .0229       | .0169       |
| All Injury Rate <sup>1*</sup>                        | 5.57        | 5.17        | 5.07        | 4.86        | 4.63        | 4.17        | 3.98        |
| Total Mining Area Inspection Hours/Mine <sup>2</sup> | 48          | 50          | 50          | 49          | 47          | 47          | 49          |
| Citations and Orders Issued <sup>3, 4</sup>          | 119,006     | 113,611     | 118,966     | 124,250     | 113,285     | 104,622     | 119,716     |
| S&S Citations and Orders (%)                         | 37%         | 36%         | 36%         | 34%         | 32%         | 31%         | 33%         |
| Dollar Amount Assessed (Millions) <sup>4</sup>       | 25.7        | 26.6        | 25.5        | 22.5        | 22.7        | 20.9        | 24.6        |

| <b>All Mine Safety and Health</b>                    | <b>1991</b> | <b>1992</b> | <b>1993</b> | <b>1994</b> | <b>1995</b> | <b>1996</b> | <b>1997</b> |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Number of Mines                                      | 15,891      | 15,181      | 14,797      | 14,442      | 14,059      | 13,714      | 13,749      |
| Number of Miners*                                    | 395,900     | 383,617     | 368,323     | 369,736     | 365,375     | 359,270     | 363,809     |
| Fatalities*  | 104         | 101         | 98          | 98          | 87          | 95          | 100         |
| Fatal Injury Rate <sup>1*</sup>                      | .0292       | .0295       | .0301       | .0296       | .0262       | .0289       | .0302       |
| All Injury Rate <sup>1*</sup>                        | 8.20        | 7.66        | 7.17        | 6.97        | 6.46        | 5.83        | 5.57        |
| Total Mining Area Inspection Hours/Mine <sup>2</sup> | 52          | 55          | 54          | 55          | 54          | 54          | 51          |
| Citations and Orders Issued <sup>3, 4</sup>          | 157,882     | 148,385     | 138,127     | 136,841     | 127,637     | 108,489     | 113,883     |
| S&S Citations and Orders (%)                         | 54%         | 50%         | 47%         | 45%         | 41%         | 37%         | 36%         |
| Dollar Amount Assessed (Millions) <sup>4</sup>       | N/A         | N/A         | N/A         | N/A         | 22.9        | 17.8        | 19.3        |

| <b>All Mine Safety and Health</b>                    | <b>1984</b> | <b>1985</b> | <b>1986</b> | <b>1987</b> | <b>1988</b> | <b>1989</b> | <b>1990</b> |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Number of Mines                                      | 17,187      | 17,277      | 16,889      | 16,675      | 16,699      | 16,348      | 16,258      |
| Number of Miners*                                    | 432,928     | 422,542     | 403,445     | 390,708     | 395,436     | 400,537     | 406,198     |
| Fatalities*  | 164         | 173         | 140         | 126         | 104         | 119         | 120         |
| Fatal Injury Rate <sup>1*</sup>                      | .0422       | .0462       | .0386       | .0358       | .0288       | .0326       | .0323       |
| All Injury Rate <sup>1*</sup>                        | 5.72        | 5.47        | 5.86        | 7.56        | 8.93        | 9.11        | 8.52        |
| Total Mining Area Inspection Hours/Mine <sup>2</sup> | 56          | 56          | 55          | 55          | 55          | 53          | 53          |
| Citations and Orders Issued <sup>3, 4</sup>          | 129,539     | 132,908     | 133,701     | 146,622     | 162,293     | 158,543     | 159,222     |
| S&S Citations and Orders (%)                         | 43%         | 55%         | 60%         | 58%         | 59%         | 58%         | 57%         |
| Dollar Amount Assessed (Millions) <sup>4</sup>       | N/A         |

| <b>All Mine Safety and Health</b>                    |  | <b>1978</b> | <b>1979</b> | <b>1980</b> | <b>1981</b> | <b>1982</b> | <b>1983</b> |
|--|--|-------------|-------------|-------------|-------------|-------------|-------------|
| Number of Mines                                      |  | N/A         | N/A         | N/A         | N/A         | N/A         | N/A         |
| Number of Miners*                                    |  | N/A         | N/A         | N/A         | N/A         | N/A         | N/A         |
| Fatalities*  |  | N/A         | N/A         | N/A         | N/A         | N/A         | N/A         |
| Fatal Injury Rate <sup>1*</sup>                      |  | N/A         | N/A         | N/A         | N/A         | N/A         | N/A         |
| All Injury Rate <sup>1*</sup>                        |  | N/A         | N/A         | N/A         | N/A         | N/A         | N/A         |
| Total Mining Area Inspection Hours/Mine <sup>2</sup> |  | N/A         | N/A         | N/A         | N/A         | N/A         | N/A         |
| Citations and Orders Issued <sup>3, 4</sup>          |  | N/A         | N/A         | N/A         | N/A         | N/A         | N/A         |
| S&S Citations and Orders (%)                         |  | N/A         | N/A         | N/A         | N/A         | N/A         | N/A         |
| Dollar Amount Assessed (Millions) <sup>4</sup>       |  | N/A         | N/A         | N/A         | N/A         | N/A         | N/A         |

**NOTE:**  
 Data for Fiscal Years 1978-1983 data not available in MSIS  
 Assessment Data for Fiscal Years 1978-1994 not available in MSIS  
 \*Values are all inclusive of operator and contractor employees.  
 1-Reported injuries per 200,000 hours worked.  
 2-Total Mining Area Time includes: On-site Inspection Time (M/NM), MMU Pit Time (Coal), Outby Area Time (Coal), Surface Area Time (Coal), Citation/Order writing On-Site. On-site inspection hours represent hours entered by Authorized Representatives of the Secretary (AR) for certain inspection activities and task codes.  
 3-Citations and orders are those not vacated.  
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**COAL Only (At A Glance Data FY 1978-2025)**

| Coal Mine Safety and Health                          | 2019   | 2020   | 2021   | 2022   | 2023   | 2024   | 2025   |
|--|--------|--------|--------|--------|--------|--------|--------|
| Number of Coal Mines                                 | 1,158  | 1,055  | 962    | 989    | 1,006  | 952    | 886    |
| Number of Miners*                                    | 83,277 | 68,368 | 60,714 | 65,836 | 68,499 | 68,462 | 62,901 |
| Fatalities*  | 15     | 3      | 12     | 12     | 10     | 11     | 5      |
| Fatal Injury Rate <sup>1*</sup>                      | .0194  | .0051  | .0225  | .0201  | .0155  | .0174  | .0085  |
| All Injury Rate <sup>1*</sup>                        | 2.94   | 2.82   | 2.86   | 2.85   | 2.76   | 2.79   | 2.73   |
| States with Coal Mining                              | N/A    |
| Coal Production (Millions of Tons)                   | 734    | 567    | 565    | 596    | 583    | 525    | 523    |
| Total Mining Area Inspection Hours/Mine <sup>2</sup> | 242    | 209    | 204    | 216    | 221    | 225    | 224    |
| FY Inspection Completion Rate (%)                    | N/A    |
| Citations and Orders Issued <sup>3,4</sup>           | 45,635 | 31,175 | 29,037 | 34,587 | 39,566 | 38,880 | 35,016 |
| S&S Citations and Orders (%)                         | 20%    | 17%    | 18%    | 19%    | 19%    | 19%    | 18%    |
| Dollar Amount Assessed (Millions) <sup>4</sup>       | 29.8   | 18.7   | 16.3   | 24.6   | 31.1   | 34.0   | 29.1   |

| Coal Mine Safety and Health                          | 2012    | 2013    | 2014    | 2015    | 2016   | 2017   | 2018   |
|--|---------|---------|---------|---------|--------|--------|--------|
| Number of Coal Mines                                 | 1,933   | 1,750   | 1,652   | 1,515   | 1,328  | 1,225  | 1,187  |
| Number of Miners*                                    | 143,646 | 126,388 | 118,294 | 108,679 | 85,656 | 83,478 | 83,022 |
| Fatalities*  | 24      | 18      | 18      | 15      | 8      | 14     | 9      |
| Fatal Injury Rate <sup>1*</sup>                      | .0183   | .0156   | .0166   | .0154   | .0110  | .0189  | .0118  |
| All Injury Rate <sup>1*</sup>                        | 3.29    | 3.11    | 3.12    | 3.05    | 2.80   | 3.12   | 2.96   |
| States with Coal Mining                              | 26      | 26      | 26      | 26      | N/A    | N/A    | N/A    |
| Coal Production (Millions of Tons)                   | 1,051   | 994     | 986     | 943     | 736    | 780    | 757    |
| Total Mining Area Inspection Hours/Mine <sup>2</sup> | 250     | 249     | 246     | 247     | 244    | 250    | 244    |
| FY Inspection Completion Rate (%)                    | 100     | 100     | 100     | 100     | N/A    | N/A    | N/A    |
| Citations and Orders Issued <sup>3,4</sup>           | 83,680  | 65,388  | 62,225  | 53,280  | 40,259 | 46,745 | 46,170 |
| S&S Citations and Orders (%)                         | 28%     | 26%     | 25%     | 24%     | 21%    | 21%    | 20%    |
| Dollar Amount Assessed (Millions) <sup>4</sup>       | 107.5   | 67.4    | 64.3    | 43.5    | 27     | 27.3   | 30.3   |

| Coal Mine Safety and Health                          | 2005    | 2006    | 2007    | 2008    | 2009    | 2010    | 2011    |
|--|---------|---------|---------|---------|---------|---------|---------|
| Number of Coal Mines                                 | 2,053   | 2,108   | 2,065   | 2,100   | 2,103   | 1,974   | 1,996   |
| Number of Miners*                                    | 115,021 | 122,906 | 125,589 | 130,628 | 138,664 | 133,793 | 143,553 |
| Fatalities*  | 23      | 45      | 35      | 30      | 20      | 50      | 16      |
| Fatal Injury Rate <sup>1*</sup>                      | .0209   | .0384   | .0300   | .0245   | .0159   | .0412   | .0120   |
| All Injury Rate <sup>1*</sup>                        | 4.62    | 4.55    | 4.29    | 3.96    | 3.75    | 3.49    | 3.46    |
| States with Coal Mining                              | 26      | 26      | 26      | 26      | 26      | 26      | 26      |
| Coal Production (Millions of Tons)                   | 1,132   | 1,153   | 1,149   | 1,162   | 1,114   | 1,070   | 1,089   |
| Total Mining Area Inspection Hours/Mine <sup>2</sup> | 163     | 162     | 154     | 219     | 236     | 257     | 258     |
| FY Inspection Completion Rate (%)                    | N/A     | N/A     | N/A     | N/A     | 100     | 100     | 100     |
| Citations and Orders Issued <sup>3,4</sup>           | 67,633  | 76,984  | 78,330  | 104,134 | 105,439 | 97,573  | 93,033  |
| S&S Citations and Orders (%)                         | 39%     | 39%     | 36%     | 32%     | 30%     | 31%     | 31%     |
| Dollar Amount Assessed (Millions) <sup>4</sup>       | 16.2    | 26.7    | 73.2    | 120.6   | 99.6    | 107.3   | 108.4   |

| Coal Mine Safety and Health                          | 1998    | 1999    | 2000    | 2001    | 2002    | 2003    | 2004    |
|--|---------|---------|---------|---------|---------|---------|---------|
| Number of Coal Mines                                 | 2,542   | 2,366   | 2,190   | 2,148   | 2,105   | 1,996   | 2,009   |
| Number of Miners*                                    | 124,212 | 117,548 | 110,186 | 112,683 | 114,745 | 106,971 | 108,057 |
| Fatalities*  | 28      | 37      | 34      | 41      | 33      | 32      | 24      |
| Fatal Injury Rate <sup>1*</sup>                      | .0250   | .0352   | .0348   | .0405   | .0321   | .0332   | .0240   |
| All Injury Rate <sup>1*</sup>                        | 7.15    | 6.57    | 6.60    | 6.14    | 6.00    | 5.39    | 4.95    |
| States with Coal Mining                              | 26      | 26      | 26      | 26      | 26      | 26      | 26      |
| Coal Production (Millions of Tons)                   | 1,109   | 1,106   | 1,085   | 1,112   | 1,104   | 1,074   | 1,101   |
| Total Mining Area Inspection Hours/Mine <sup>2</sup> | 153     | 161     | 167     | 171     | 175     | 170     | 172     |
| FY Inspection Completion Rate (%)                    | N/A     |
| Citations and Orders Issued <sup>3,4</sup>           | 63,481  | 58,159  | 56,782  | 66,499  | 61,706  | 55,277  | 62,560  |
| S&S Citations and Orders (%)                         | 41%     | 41%     | 41%     | 41%     | 38%     | 38%     | 41%     |
| Dollar Amount Assessed (Millions) <sup>4</sup>       | 12.9    | 14.1    | 11.5    | 12.5    | 14.0    | 12.8    | 15.3    |

| Coal Mine Safety and Health                          | 1991    | 1992    | 1993    | 1994    | 1995    | 1996    | 1997    |
|--|---------|---------|---------|---------|---------|---------|---------|
| Number of Coal Mines                                 | 4,124   | 3,785   | 3,529   | 3,309   | 3,051   | 2,782   | 2,618   |
| Number of Miners*                                    | 162,142 | 156,314 | 146,038 | 143,795 | 135,751 | 127,350 | 127,769 |
| Fatalities*  | 56      | 52      | 50      | 52      | 43      | 39      | 38      |
| Fatal Injury Rate <sup>1*</sup>                      | .0381   | .0373   | .0395   | .0411   | .0356   | .0340   | .0331   |
| All Injury Rate <sup>1*</sup>                        | 10.14   | 9.63    | 9.13    | 8.90    | 8.33    | 7.49    | 7.03    |
| States with Coal Mining                              | 29      | 26      | 26      | 26      | 26      | 26      | 26      |
| Coal Production (Millions of Tons)                   | 989     | 988     | 946     | 1,011   | 1,029   | 1,054   | 1,086   |
| Total Mining Area Inspection Hours/Mine <sup>2</sup> | 130     | 141     | 145     | 155     | 151     | 155     | 160     |
| FY Inspection Completion Rate (%)                    | N/A     |
| Citations and Orders Issued <sup>3,4</sup>           | 111,230 | 95,240  | 91,711  | 89,515  | 84,821  | 72,980  | 68,279  |
| S&S Citations and Orders (%)                         | 62%     | 60%     | 56%     | 54%     | 49%     | 42%     | 39%     |
| Dollar Amount Assessed (Millions) <sup>4</sup>       | N/A     | N/A     | N/A     | N/A     | 17      | 12.6    | 11.2    |

| Coal Mine Safety and Health                          | 1984    | 1985    | 1986    | 1987    | 1988    | 1989    | 1990    |
|--|---------|---------|---------|---------|---------|---------|---------|
| Number of Coal Mines                                 | 5,612   | 5,352   | 5,212   | 4,993   | 4,808   | 4,493   | 4,344   |
| Number of Miners*                                    | 210,856 | 201,462 | 190,777 | 175,947 | 169,130 | 165,953 | 168,958 |
| Fatalities*  | 90      | 103     | 89      | 61      | 55      | 69      | 68      |
| Fatal Injury Rate <sup>1*</sup>                      | .0472   | .0577   | .0519   | .0386   | .0358   | .0459   | .0436   |
| All Injury Rate <sup>1*</sup>                        | 6.89    | 6.58    | 7.05    | 9.61    | 11.05   | 10.67   | 10.31   |
| States with Coal Mining                              | 26      | 26      | 26      | 26      | 26      | 26      | 26      |
| Coal Production (Millions of Tons)                   | 876     | 843     | 866     | 878     | 936     | 959     | 1,017   |
| Total Mining Area Inspection Hours/Mine <sup>2</sup> | 114     | 120     | 126     | 129     | 129     | 128     | 128     |
| FY Inspection Completion Rate (%)                    | N/A     |
| Citations and Orders Issued <sup>3,4</sup>           | 109,664 | 108,873 | 104,542 | 110,220 | 116,646 | 108,093 | 109,873 |
| S&S Citations and Orders (%)                         | 46%     | 59%     | 66%     | 65%     | 69%     | 69%     | 68%     |
| Dollar Amount Assessed (Millions) <sup>4</sup>       | N/A     |

| Coal Mine Safety and Health                          |  | 1978 | 1979 | 1980 | 1981 | 1982 | 1983 |
|--|--|------|------|------|------|------|------|
| Number of Coal Mines                                 |  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  |
| Number of Miners*                                    |  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  |
| Fatalities*  |  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  |
| Fatal Injury Rate <sup>1*</sup>                      |  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  |
| All Injury Rate <sup>1*</sup>                        |  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  |
| States with Coal Mining                              |  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  |
| Coal Production (Millions of Tons)                   |  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  |
| Total Mining Area Inspection Hours/Mine <sup>2</sup> |  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  |
| FY Inspection Completion Rate (%)                    |  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  |
| Citations and Orders Issued <sup>3,4</sup>           |  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  |
| S&S Citations and Orders (%)                         |  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  |
| Dollar Amount Assessed (Millions) <sup>4</sup>       |  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  |

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**METAL/NONMETAL Only (At A Glance Data FY 1978-2025)**

| <b>Metal and Nonmetal Mine Safety and Health</b>     | <b>2019</b> | <b>2020</b> | <b>2021</b> | <b>2022</b> | <b>2023</b> | <b>2024</b> | <b>2025</b> |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Number of Metal/Nonmetal Mines                       | 11,947      | 11,865      | 11,725      | 11,713      | 11,734      | 11,837      | 11,682      |
| Number of Miners*                                    | 253,045     | 237,561     | 237,882     | 247,788     | 256,404     | 261,660     | 264,564     |
| Fatalities*  | 19          | 20          | 27          | 21          | 31          | 20          | 23          |
| Fatal Injury Rate <sup>1*</sup>                      | .0091       | .0102       | .0138       | .0101       | .0143       | .0091       | .0105       |
| All Injury Rate <sup>1*</sup>                        | 1.74        | 1.63        | 1.65        | 1.61        | 1.58        | 1.54        | 1.52        |
| States with M/NM Mining                              | N/A         |
| Total Mining Area Inspection Hours/Mine <sup>2</sup> | 22          | 21          | 20          | 20          | 20          | 20          | 21          |
| FY Inspection Completion Rate (%)                    | N/A         |
| Citations and Orders Issued <sup>3, 4</sup>          | 53,906      | 51,606      | 47,946      | 51,129      | 54,479      | 55,472      | 52,356      |
| S&S Citations and Orders (%)                         | 20%         | 18%         | 19%         | 19%         | 19%         | 17%         | 17%         |
| Dollar Amount Assessed (Millions) <sup>4</sup>       | 25.2        | 23.4        | 24.6        | 29.9        | 38.3        | 37.1        | 33.2        |

| <b>Metal and Nonmetal Mine Safety and Health</b>     | <b>2012</b> | <b>2013</b> | <b>2014</b> | <b>2015</b> | <b>2016</b> | <b>2017</b> | <b>2018</b> |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Number of Metal/Nonmetal Mines                       | 12,340      | 12,256      | 12,116      | 11,995      | 11,939      | 11,965      | 11,977      |
| Number of Miners*                                    | 250,320     | 252,264     | 254,422     | 250,886     | 241,601     | 238,843     | 249,556     |
| Fatalities*  | 20          | 16          | 30          | 23          | 16          | 12          | 13          |
| Fatal Injury Rate <sup>1*</sup>                      | .0100       | .0078       | .0147       | .0113       | .0082       | .0062       | .0063       |
| All Injury Rate <sup>1*</sup>                        | 2.23        | 2.13        | 2.11        | 2.07        | 1.94        | 1.83        | 1.75        |
| States with M/NM Mining                              | 50          | 50          | 50          | 50          | N/A         | N/A         | N/A         |
| Total Mining Area Inspection Hours/Mine <sup>2</sup> | 22          | 21          | 22          | 22          | 21          | 22          | 22          |
| FY Inspection Completion Rate (%)                    | 100         | 100         | 100         | 100         | N/A         | N/A         | N/A         |
| Citations and Orders Issued <sup>3, 4</sup>          | 61,254      | 56,591      | 57,614      | 59,062      | 56,269      | 56,680      | 53,427      |
| S&S Citations and Orders (%)                         | 25%         | 24%         | 24%         | 24%         | 23%         | 22%         | 21%         |
| Dollar Amount Assessed (Millions) <sup>4</sup>       | 36.1        | 28.6        | 34.7        | 28.1        | 26.7        | 27.5        | 25.4        |

| <b>Metal and Nonmetal Mine Safety and Health</b>     | <b>2005</b> | <b>2006</b> | <b>2007</b> | <b>2008</b> | <b>2009</b> | <b>2010</b> | <b>2011</b> |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Number of Metal/Nonmetal Mines                       | 12,640      | 12,866      | 12,869      | 12,957      | 12,729      | 12,519      | 12,374      |
| Number of Miners*                                    | 231,575     | 241,024     | 253,815     | 263,021     | 232,994     | 225,033     | 236,469     |
| Fatalities*  | 34          | 29          | 32          | 22          | 23          | 15          | 20          |
| Fatal Injury Rate <sup>1*</sup>                      | .0167       | .0137       | .0146       | .0100       | .0127       | .0085       | .0106       |
| All Injury Rate <sup>1*</sup>                        | 3.55        | 3.26        | 3.07        | 2.89        | 2.58        | 2.43        | 2.29        |
| States with M/NM Mining                              | 50          | 50          | 50          | 50          | 50          | 50          | 50          |
| Total Mining Area Inspection Hours/Mine <sup>2</sup> | 21          | 18          | 17          | 20          | 21          | 22          | 21          |
| FY Inspection Completion Rate (%)                    | N/A         | N/A         | N/A         | N/A         | 100         | 100         | 100         |
| Citations and Orders Issued <sup>3, 4</sup>          | 57,123      | 62,774      | 58,535      | 67,708      | 68,286      | 74,515      | 64,594      |
| S&S Citations and Orders (%)                         | 23%         | 23%         | 22%         | 21%         | 26%         | 32%         | 27%         |
| Dollar Amount Assessed (Millions) <sup>4</sup>       | 10.4        | 12.4        | 25.6        | 33.7        | 37.3        | 52.4        | 41.2        |

| <b>Metal and Nonmetal Mine Safety and Health</b>     | <b>1998</b> | <b>1999</b> | <b>2000</b> | <b>2001</b> | <b>2002</b> | <b>2003</b> | <b>2004</b> |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Number of Metal/Nonmetal Mines                       | 11,404      | 11,823      | 12,337      | 12,537      | 12,585      | 12,556      | 12,547      |
| Number of Miners*                                    | 238,208     | 239,468     | 243,236     | 237,892     | 224,046     | 216,404     | 223,142     |
| Fatalities*  | 52          | 45          | 54          | 30          | 39          | 33          | 26          |
| Fatal Injury Rate <sup>1*</sup>                      | .0240       | .0208       | .0248       | .0144       | .0201       | .0176       | .0133       |
| All Injury Rate <sup>1*</sup>                        | 4.75        | 4.48        | 4.38        | 4.23        | 3.91        | 3.54        | 3.47        |
| States with M/NM Mining                              | 50          | 50          | 50          | 50          | 50          | 50          | 50          |
| Total Mining Area Inspection Hours/Mine <sup>2</sup> | 22          | 24          | 24          | 23          | 21          | 23          | 25          |
| FY Inspection Completion Rate (%)                    | N/A         |
| Citations and Orders Issued <sup>3, 4</sup>          | 55,525      | 55,452      | 62,184      | 57,751      | 51,579      | 49,345      | 57,156      |
| S&S Citations and Orders (%)                         | 32%         | 30%         | 30%         | 27%         | 25%         | 24%         | 24%         |
| Dollar Amount Assessed (Millions) <sup>4</sup>       | 12.8        | 12.5        | 14.0        | 10.0        | 8.7         | 8.1         | 9.4         |

| <b>Metal and Nonmetal Mine Safety and Health</b>     | <b>1991</b> | <b>1992</b> | <b>1993</b> | <b>1994</b> | <b>1995</b> | <b>1996</b> | <b>1997</b> |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Number of Metal/Nonmetal Mines                       | 11,767      | 11,396      | 11,268      | 11,133      | 11,008      | 10,932      | 11,131      |
| Number of Miners*                                    | 233,758     | 227,303     | 222,285     | 225,941     | 229,624     | 231,920     | 236,040     |
| Fatalities*  | 48          | 49          | 48          | 46          | 44          | 56          | 62          |
| Fatal Injury Rate <sup>1*</sup>                      | .0230       | .0242       | .0241       | .0225       | .0208       | .0261       | .0286       |
| All Injury Rate <sup>1*</sup>                        | 6.83        | 6.3         | 5.93        | 5.78        | 5.39        | 4.94        | 4.79        |
| States with M/NM Mining                              | 50          | 50          | 50          | 50          | 50          | 50          | 50          |
| Total Mining Area Inspection Hours/Mine <sup>2</sup> | 23          | 24          | 23          | 23          | 23          | 23          | 20          |
| FY Inspection Completion Rate (%)                    | N/A         |
| Citations and Orders Issued <sup>3, 4</sup>          | 46,652      | 53,145      | 46,416      | 47,326      | 42,816      | 35,509      | 45,604      |
| S&S Citations and Orders (%)                         | 35%         | 32%         | 30%         | 27%         | 27%         | 27%         | 31%         |
| Dollar Amount Assessed (Millions) <sup>4</sup>       | N/A         | N/A         | N/A         | N/A         | 5.9         | 5.2         | 8.0         |

| <b>Metal and Nonmetal Mine Safety and Health</b>     | <b>1984</b> | <b>1985</b> | <b>1986</b> | <b>1987</b> | <b>1988</b> | <b>1989</b> | <b>1990</b> |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Number of Metal/Nonmetal Mines                       | 11,575      | 11,925      | 11,677      | 11,682      | 11,891      | 11,855      | 11,914      |
| Number of Miners*                                    | 222,072     | 221,080     | 212,668     | 214,761     | 226,306     | 234,584     | 237,240     |
| Fatalities*  | 74          | 70          | 51          | 65          | 49          | 50          | 52          |
| Fatal Injury Rate <sup>1*</sup>                      | .0374       | .0357       | .0266       | .0336       | .0237       | .0233       | .0241       |
| All Injury Rate <sup>1*</sup>                        | 4.59        | 4.46        | 4.79        | 5.89        | 7.36        | 8.01        | 7.23        |
| States with M/NM Mining                              | 50          | 50          | 50          | 50          | 50          | 50          | 50          |
| Total Mining Area Inspection Hours/Mine <sup>2</sup> | 19          | 19          | 20          | 21          | 22          | 22          | 23          |
| FY Inspection Completion Rate (%)                    | N/A         |
| Citations and Orders Issued <sup>3, 4</sup>          | 19,875      | 24,035      | 29,159      | 36,402      | 45,647      | 50,450      | 49,349      |
| S&S Citations and Orders (%)                         | 26%         | 35%         | 38%         | 35%         | 35%         | 34%         | 33%         |
| Dollar Amount Assessed (Millions) <sup>4</sup>       | N/A         |

| <b>Metal and Nonmetal Mine Safety and Health</b>     | <b>1978</b> | <b>1979</b> | <b>1980</b> | <b>1981</b> | <b>1982</b> | <b>1983</b> |
|--|-------------|-------------|-------------|-------------|-------------|-------------|
| Number of Metal/Nonmetal Mines                       | N/A         | N/A         | N/A         | N/A         | N/A         | N/A         |
| Number of Miners*                                    | N/A         | N/A         | N/A         | N/A         | N/A         | N/A         |
| Fatalities*  | N/A         | N/A         | N/A         | N/A         | N/A         | N/A         |
| Fatal Injury Rate <sup>1*</sup>                      | N/A         | N/A         | N/A         | N/A         | N/A         | N/A         |
| All Injury Rate <sup>1*</sup>                        | N/A         | N/A         | N/A         | N/A         | N/A         | N/A         |
| States with M/NM Mining                              | N/A         | N/A         | N/A         | N/A         | N/A         | N/A         |
| Total Mining Area Inspection Hours/Mine <sup>2</sup> | N/A         | N/A         | N/A         | N/A         | N/A         | N/A         |
| FY Inspection Completion Rate (%)                    | N/A         | N/A         | N/A         | N/A         | N/A         | N/A         |
| Citations and Orders Issued <sup>3, 4</sup>          | N/A         | N/A         | N/A         | N/A         | N/A         | N/A         |
| S&S Citations and Orders (%)                         | N/A         | N/A         | N/A         | N/A         | N/A         | N/A         |
| Dollar Amount Assessed (Millions) <sup>4</sup>       | N/A         | N/A         | N/A         | N/A         | N/A         | N/A         |

**NOTE:**

Data for Fiscal Years 1978-1983 data not available in MSIS

Assessment Data for Fiscal Years 1978-1994 not available in MSIS

\*Values are all inclusive of operator and contractor employees.

1-Reported injuries per 200,000 hours worked.

2-Total Mining Area Time includes: On-site Inspection Time (M/NM), Citation/Order writing On-Site. On-site inspection hours represent hours entered by Authorized Representatives of the Secretary (AR) for certain inspection activities and task codes.

3-Citations and orders are those not vacated.

4-Citations and Orders issued, and Dollar Amount Assessed, are based on issue date. Therefore, citation counts and dollars assessed can fluctuate, upwards or downwards, depending on the date information was pulled. For example, numbers tend to fluctuate downwards when an issued citation is either conferenced or contested and is subsequently vacated. Dollars assessed can fluctuate upwards when there is a lag time between the issuance date and the assessed date.

**CONTRACTORS (At A Glance Data FY 1978-2025)**

| Mine Contractors                     | 2019  | 2020  | 2021  | 2022  | 2023  | 2024  | 2025  |
|--------------------------------------|-------|-------|-------|-------|-------|-------|-------|
| Coal Fatalities <sup>2</sup>         | 3     | 0     | 3     | 2     | 4     | 1     | 1     |
| MNM Fatalities <sup>2</sup>          | 7     | 4     | 5     | 4     | 5     | 8     | 6     |
| Total Fatalities <sup>2</sup>        | 10    | 4     | 8     | 6     | 9     | 9     | 7     |
| Coal Fatal Injury Rate <sup>1</sup>  | .0194 | .0000 | .0299 | .0180 | .0324 | .0083 | .0094 |
| MNM Fatal Injury Rate <sup>1</sup>   | .0186 | .0120 | .0144 | .0099 | .0115 | .0185 | .0136 |
| Total Fatal Injury Rate <sup>1</sup> | .0188 | .0090 | .0179 | .0116 | .0162 | .0163 | .0128 |

| Mine Contractors                     | 2012  | 2013  | 2014  | 2015  | 2016  | 2017  | 2018  |
|--------------------------------------|-------|-------|-------|-------|-------|-------|-------|
| Coal Fatalities <sup>2</sup>         | 4     | 2     | 2     | 3     | 0     | 1     | 0     |
| MNM Fatalities <sup>2</sup>          | 4     | 2     | 6     | 9     | 5     | 2     | 0     |
| Total Fatalities <sup>2</sup>        | 8     | 4     | 8     | 12    | 5     | 3     | 0     |
| Coal Fatal Injury Rate <sup>1</sup>  | .0148 | .0086 | .0094 | .0152 | .0000 | .0070 | .0000 |
| MNM Fatal Injury Rate <sup>1</sup>   | .0096 | .0046 | .0145 | .0232 | .0145 | .0060 | .0000 |
| Total Fatal Injury Rate <sup>1</sup> | .0117 | .0060 | .0127 | .0205 | .0103 | .0063 | .0000 |

| Mine Contractors                     | 2005  | 2006  | 2007  | 2008  | 2009  | 2010  | 2011  |
|--------------------------------------|-------|-------|-------|-------|-------|-------|-------|
| Coal Fatalities <sup>2</sup>         | 5     | 7     | 5     | 10    | 8     | 6     | 5     |
| MNM Fatalities <sup>2</sup>          | 5     | 6     | 10    | 8     | 7     | 6     | 6     |
| Total Fatalities <sup>2</sup>        | 10    | 13    | 15    | 18    | 15    | 12    | 11    |
| Coal Fatal Injury Rate <sup>1</sup>  | .0238 | .0304 | .0219 | .0394 | .0315 | .0249 | .0182 |
| MNM Fatal Injury Rate <sup>1</sup>   | .0192 | .0197 | .0274 | .0195 | .0227 | .0204 | .0168 |
| Total Fatal Injury Rate <sup>1</sup> | .0212 | .0243 | .0253 | .0271 | .0267 | .0224 | .0174 |

| Mine Contractors                     | 1998  | 1999  | 2000  | 2001  | 2002  | 2003  | 2004  |
|--------------------------------------|-------|-------|-------|-------|-------|-------|-------|
| Coal Fatalities <sup>2</sup>         | 5     | 4     | 10    | 7     | 7     | 8     | 5     |
| MNM Fatalities <sup>2</sup>          | 15    | 17    | 13    | 9     | 9     | 5     | 5     |
| Total Fatalities <sup>2</sup>        | 20    | 21    | 23    | 16    | 16    | 13    | 10    |
| Coal Fatal Injury Rate <sup>1</sup>  | .0272 | .0224 | .0558 | .0361 | .0364 | .0458 | .0266 |
| MNM Fatal Injury Rate <sup>1</sup>   | .0704 | .0744 | .0475 | .0352 | .0443 | .0253 | .0219 |
| Total Fatal Injury Rate <sup>1</sup> | .0504 | .0516 | .0508 | .0356 | .0404 | .0349 | .0241 |

| Mine Contractors                     | 1991  | 1992  | 1993  | 1994  | 1995  | 1996  | 1997  |
|--------------------------------------|-------|-------|-------|-------|-------|-------|-------|
| Coal Fatalities <sup>2</sup>         | 4     | 12    | 13    | 9     | 9     | 4     | 6     |
| MNM Fatalities <sup>2</sup>          | 10    | 15    | 10    | 10    | 12    | 11    | 24    |
| Total Fatalities <sup>2</sup>        | 14    | 27    | 23    | 19    | 21    | 15    | 30    |
| Coal Fatal Injury Rate <sup>1</sup>  | .0325 | .0852 | .0857 | .0553 | .0579 | .0251 | .0345 |
| MNM Fatal Injury Rate <sup>1</sup>   | .0630 | .1001 | .0723 | .0599 | .0616 | .0546 | .1130 |
| Total Fatal Injury Rate <sup>1</sup> | .0497 | .0929 | .0793 | .0577 | .0600 | .0416 | .0777 |

| Mine Contractors                     | 1984  | 1985  | 1986  | 1987  | 1988  | 1989  | 1990  |
|--------------------------------------|-------|-------|-------|-------|-------|-------|-------|
| Coal Fatalities <sup>2</sup>         | 6     | 6     | 3     | 5     | 8     | 5     | 9     |
| MNM Fatalities <sup>2</sup>          | 12    | 9     | 7     | 11    | 15    | 12    | 10    |
| Total Fatalities <sup>2</sup>        | 18    | 15    | 10    | 16    | 23    | 17    | 19    |
| Coal Fatal Injury Rate <sup>1</sup>  | .0861 | .0780 | .0397 | .0685 | .0993 | .0493 | .0798 |
| MNM Fatal Injury Rate <sup>1</sup>   | .1754 | .1120 | .0815 | .1138 | .1198 | .0770 | .0703 |
| Total Fatal Injury Rate <sup>1</sup> | .1304 | .0954 | .0619 | .0943 | .1118 | .0661 | .0745 |

| Mine Contractors                     |  | 1978 | 1979 | 1980 | 1981 | 1982 | 1983 |
|--------------------------------------|--|------|------|------|------|------|------|
| Coal Fatalities <sup>2</sup>         |  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  |
| MNM Fatalities <sup>2</sup>          |  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  |
| Total Fatalities <sup>2</sup>        |  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  |
| Coal Fatal Injury Rate <sup>1</sup>  |  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  |
| MNM Fatal Injury Rate <sup>1</sup>   |  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  |
| Total Fatal Injury Rate <sup>1</sup> |  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  |

NOTE: Fiscal Year 1978-1983 data not available in MSIS

1-Reported injuries per 200,000 hours worked.

2-Contractor fatalities are not exclusive to those reported in the All Mine Safety and Health; Coal Mine Safety and Health; and, Metal and Nonmetal Mine Safety and Health sections of this report.