

Relation between causal agents and code no. 0 total as type of Fatal accidents in 1999-2021

| L | M  | S   | causal agent  | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | total |
|---|----|-----|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
|   |    | 111 | engine  | 3    |      |      |      | 2    |      | 2    | 2    |      | 3    |      |      | 2    | 1    |      |      |      | 1    |      |      | 1    |      |      | 17    |
|   | 11 |     | engine  | 3    |      |      |      | 2    |      | 2    | 2    |      | 3    |      |      | 2    | 1    |      |      |      | 1    |      |      | 1    |      |      | 17    |
|   |    | 121 | power transmission mechanism                            | 1    | 10   | 2    | 3    | 4    | 3    |      | 4    | 3    | 8    | 3    | 1    | 2    | 1    | 4    | 2    | 1    | 6    |      | 4    | 1    |      | 3    | 66    |
|   | 12 |     | power transmission mechanism                            | 1    | 10   | 2    | 3    | 4    | 3    |      | 4    | 3    | 8    | 3    | 1    | 2    | 1    | 4    | 2    | 1    | 6    |      | 4    | 1    |      | 3    | 66    |
|   |    | 131 | circular sawing machine                                 | 4    | 6    | 4    | 3    | 3    | 4    | 4    | 1    | 5    | 5    | 3    | 1    | 1    | 2    | 3    | 3    | 2    |      |      | 2    | 2    |      | 1    | 59    |
|   |    | 132 | band sawing machine                                     | 2    |      | 2    |      | 2    |      | 1    | 2    | 1    |      |      | 1    | 2    |      |      | 3    |      |      |      | 1    | 1    |      |      | 18    |
|   |    | 133 | wood planer machine                                     |      |      | 1    |      |      |      | 1    |      |      |      |      |      |      |      |      |      |      |      |      |      | 1    |      |      | 3     |
|   |    | 134 | hollow chisel mortiser, wood borer                      |      |      |      |      |      |      |      |      | 1    |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1     |
|   |    | 135 | chamfering machine, router, woodworking milling machine | 1    | 1    | 1    |      |      |      |      |      | 1    |      |      |      | 1    |      |      |      |      |      |      |      |      |      |      | 5     |
|   |    | 136 | chain saw   |      | 1    | 1    |      | 1    | 2    |      |      | 1    | 1    |      | 2    | 1    | 1    |      |      | 1    |      |      |      | 1    | 2    |      | 15    |
|   |    | 139 | other woodworking machines                              | 2    | 4    | 6    | 4    |      | 3    | 3    | 1    | 2    | 3    |      | 1    | 2    | 1    | 4    |      | 2    |      | 1    | 5    | 3    | 2    | 2    | 51    |
|   | 13 |     | woodworking machine                                     | 9    | 12   | 15   | 7    | 6    | 9    | 9    | 4    | 11   | 9    | 3    | 5    | 7    | 4    | 7    | 6    | 5    |      | 1    | 8    | 8    | 4    | 3    | 152   |
|   |    | 141 | leveling, transporting or loading machine               | 34   | 30   | 29   | 25   | 22   | 25   | 24   | 16   | 30   | 17   | 16   | 16   | 13   | 14   | 9    | 16   | 8    | 13   | 14   | 13   | 13   | 13   | 12   | 422   |
|   |    | 142 | excavating machine                                      | 79   | 73   | 61   | 47   | 52   | 36   | 41   | 41   | 28   | 34   | 25   | 30   | 27   | 25   | 31   | 26   | 20   | 14   | 24   | 14   | 15   | 19   | 16   | 778   |
|   |    | 143 | foundation work machine                                 | 5    | 4    | 6    | 4    | 4    | 2    | 8    |      | 1    | 3    | 2    |      | 2    | 1    |      | 2    | 2    |      | 2    | 4    |      | 3    | 1    | 56    |
|   |    | 144 | hardening machine                                       | 17   | 8    | 8    | 14   | 9    | 8    | 10   | 9    |      | 8    | 3    | 9    | 2    | 2    | 3    | 5    | 1    | 4    | 3    | 2    | 2    | 4    | 4    | 135   |
|   |    | 145 | demolition machine                                      | 3    | 3    | 4    | 2    | 3    | 6    |      |      | 3    | 4    | 4    | 1    | 2    | 3    | 3    | 8    | 11   | 11   | 5    | 8    | 6    | 6    | 4    | 100   |
|   |    | 146 | vehicle for high lift work                              | 6    | 10   | 7    | 8    | 5    | 6    | 4    | 11   | 13   | 9    | 8    | 5    | 4    | 10   | 5    | 8    | 5    | 4    | 5    | 3    | 5    | 6    | 8    | 155   |
|   |    | 149 | other construction machines                             | 16   | 16   | 9    | 15   | 17   | 15   | 11   | 12   | 9    | 13   | 18   | 12   | 10   | 19   | 8    | 3    | 5    | 4    | 5    | 5    | 4    | 6    | 4    | 236   |
|   | 14 |     | construction machine                                    | 160  | 144  | 124  | 115  | 112  | 98   | 98   | 89   | 84   | 88   | 76   | 73   | 60   | 74   | 59   | 68   | 52   | 50   | 58   | 49   | 45   | 57   | 49   | 1,882 |

|  |    |     |  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |
|--|----|-----|--|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|
|  |    | 151 | lathe                                      | 4  | 4  | 8  | 2  | 2  | 2  | 1  | 3  | 3  | 3  | 3  | 3  | 3  | 5  | 5  | 1  | 6  | 1  | 1  | 1  | 1  | 1  | 66 |       |
|  |    | 152 | drill press, milling machine               | 3  | 2  | 1  | 2  | 3  |    | 3  | 2  | 1  |    | 2  | 1  |    | 2  | 4  | 1  |    | 2  |    | 1  | 2  | 1  | 2  | 35    |
|  |    | 153 | grinding machine, buffing machine          | 2  | 1  |    | 3  | 3  | 1  |    |    | 1  |    | 4  | 1  | 2  | 1  |    | 1  | 1  |    |    |    | 2  | 2  | 25 |       |
|  |    | 154 | power press                                | 2  | 2  | 3  | 4  |    | 3  |    | 2  | 1  | 2  | 2  |    | 1  | 2  | 2  | 3  |    |    | 1  |    |    | 2  |    | 32    |
|  |    | 155 | forging pressure hammer                    |    |    | 1  | 1  |    |    | 1  |    | 3  | 1  |    | 1  |    |    |    |    |    |    |    |    |    |    |    | 8     |
|  |    | 156 | shearing machine                           |    | 1  |    |    | 2  |    |    | 1  |    |    |    | 1  |    | 1  |    | 1  |    |    |    |    |    |    | 1  | 9     |
|  |    | 159 | other metal manufacturing machines         | 6  | 10 | 2  | 8  | 6  | 7  | 4  | 16 | 7  | 5  |    | 8  | 2  | 7  | 7  | 4  | 3  | 1  | 3  | 4  | 2  | 4  | 5  | 121   |
|  | 15 |     | metal manufacturing machine                | 17 | 20 | 15 | 20 | 16 | 13 | 9  | 24 | 15 | 12 | 7  | 18 | 7  | 17 | 19 | 14 | 5  | 11 | 5  | 6  | 5  | 10 | 11 | 296   |
|  |    | 161 | centrifugal machine                        |    |    | 6  |    | 1  |    |    | 1  |    |    |    |    |    |    |    |    | 1  |    |    |    |    |    |    | 9     |
|  |    | 162 | mixer, grinder                             | 13 | 10 | 11 | 15 | 10 | 8  | 11 | 9  | 7  | 11 | 6  | 8  | 4  | 7  | 14 | 7  | 5  | 4  | 5  | 3  | 5  | 6  | 5  | 184   |
|  |    | 163 | roll machine (except printingroll machine) | 6  | 9  | 5  | 2  | 5  | 5  | 3  | 2  | 3  | 9  | 2  | 3  | 2  | 6  | 1  | 4  | 3  | 2  | 3  |    |    | 3  | 2  | 80    |
|  |    | 164 | injection molding machine                  | 2  | 2  | 2  | 3  | 1  | 1  | 2  | 1  | 1  | 2  | 3  |    | 3  | 2  | 2  |    | 1  |    | 1  | 2  | 1  | 1  | 1  | 34    |
|  |    | 165 | food manufacturing machine                 | 3  | 3  |    | 2  | 6  | 3  | 4  | 3  |    | 2  | 3  | 2  |    | 1  | 3  |    | 2  | 4  |    | 3  | 1  | 1  | 46 |       |
|  |    | 166 | printing machine                           | 2  |    |    | 1  | 1  |    |    |    | 1  |    | 1  | 1  | 2  | 1  | 2  | 1  |    |    |    | 1  |    |    | 1  | 15    |
|  |    | 167 | industrial robot                           |    | 1  | 1  | 2  | 6  | 1  | 1  | 4  | 4  | 1  | 2  | 2  | 1  | 2  | 2  | 3  | 3  | 3  | 1  | 1  | 2  | 2  | 2  | 47    |
|  |    | 169 | other general power machines               | 40 | 45 | 36 | 42 | 30 | 39 | 31 | 28 | 24 | 30 | 33 | 25 | 26 | 18 | 15 | 21 | 26 | 17 | 30 | 22 | 19 | 21 | 27 | 645   |
|  | 16 |     | general machine                            | 66 | 70 | 61 | 67 | 60 | 57 | 52 | 48 | 40 | 55 | 50 | 41 | 38 | 36 | 37 | 39 | 38 | 29 | 44 | 29 | 30 | 34 | 39 | 1,060 |
|  |    | 171 | felling machine                            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1  | 3  | 5  |    | 5  | 3  | 2  | 19 |       |
|  |    | 172 | mobile logging machine                     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 3  | 3  | 3  | 3  |    | 3  |    |    | 15    |
|  |    | 173 | skyline yarding machine                    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1  |    |    |    |    |    |    |    | 1     |
|  |    | 179 | other mobile silviculture machine          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |
|  | 17 |     | mobile silviculture machine                |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 5  | 6  | 8  | 3  | 5  | 6  | 2  |    | 35    |

|    |                          |  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |        |
|----|--------------------------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|--------|
| 1  | machine                  | 256                                    | 256 | 217 | 212 | 200 | 180 | 170 | 171 | 153 | 175 | 139 | 138 | 116 | 133 | 126 | 129 | 106 | 103 | 116 | 99  | 95  | 111 | 107 | 3,508 |        |
|    | 211                      | crane                                  | 29  | 23  | 24  | 19  | 24  | 17  | 21  | 15  | 22  | 18  | 14  | 16  | 15  | 12  | 11  | 15  | 8   | 27  | 10  | 9   | 18  | 6   | 18    | 391    |
|    | 212                      | mobile crane                           | 29  | 39  | 41  | 34  | 26  | 32  | 27  | 26  | 23  | 18  | 18  | 22  | 11  | 19  | 22  | 19  | 21  | 11  | 22  | 25  | 18  | 16  | 10    | 529    |
|    | 213                      | derrick crane                          |     |     |     |     |     |     |     |     | 1   |     |     | 1   |     |     |     |     |     |     |     |     |     |     |       | 2      |
|    | 214                      | elevator, lift                         | 9   | 13  | 17  | 11  | 17  | 6   | 8   | 13  | 14  | 11  | 9   | 8   | 13  | 11  | 1   | 6   | 9   | 14  | 7   | 4   | 3   | 3   | 6     | 213    |
|    | 215                      | cargo lifting appliance                |     |     | 1   |     |     | 1   |     | 2   |     | 1   |     | 2   | 1   | 2   | 2   | 1   |     | 2   |     |     |     | 2   |       | 17     |
|    | 216                      | gondola                                | 2   |     |     | 1   |     |     | 2   |     | 1   |     |     |     | 1   | 1   | 2   |     |     |     |     |     |     |     |       | 10     |
|    | 217                      | lumberyard equipment, logging cableway | 3   | 6   | 5   | 4   | 1   | 3   | 3   | 5   | 1   |     | 3   |     | 1   | 1   |     | 3   |     | 1   | 1   |     |     | 1   |       | 42     |
|    | 218                      | simple skyline yarding equipment       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |        |
|    | 219                      | other powered crane                    | 3   | 7   | 3   | 9   | 6   | 4   | 8   | 5   | 6   | 3   |     | 4   | 3   | 1   | 2   | 3   | 3   | 1   | 1   | 1   | 5   |     | 1     | 79     |
| 21 | crane                    |  | 75  | 88  | 91  | 78  | 74  | 63  | 69  | 66  | 67  | 52  | 44  | 52  | 46  | 47  | 40  | 47  | 41  | 56  | 41  | 39  | 44  | 28  | 35    | 1,283  |
|    | 221                      | truck                                  | 410 | 413 | 360 | 319 | 322 | 311 | 323 | 257 | 260 | 209 | 169 | 216 | 171 | 174 | 161 | 187 | 141 | 135 | 165 | 117 | 121 | 125 | 122   | 5,188  |
|    | 222                      | forklift                               | 55  | 45  | 37  | 47  | 41  | 46  | 42  | 48  | 34  | 30  | 29  | 29  | 33  | 34  | 24  | 27  | 24  | 28  | 30  | 26  | 20  | 31  | 21    | 781    |
|    | 223                      | railway equipment                      | 5   |     |     | 3   | 1   | 4   | 5   | 2   | 1   | 2   |     | 1   | 1   | 1   |     | 2   |     | 2   | 1   |     |     | 1   | 1     | 33     |
|    | 224                      | conveyor                               | 21  | 25  | 10  | 16  | 16  | 20  | 11  | 17  | 23  | 13  | 13  | 14  | 8   | 15  | 10  | 15  | 9   | 15  | 17  | 17  | 8   | 11  | 10    | 334    |
|    | 225                      | loader                                 | 2   | 3   | 1   | 2   | 2   | 6   | 1   | 1   | 1   |     |     |     | 4   |     |     |     |     | 3   |     | 2   |     |     |       | 28     |
|    | 226                      | straddle carrier                       |     |     |     |     |     |     |     | 1   |     | 1   |     | 1   |     |     |     |     |     | 1   |     | 1   | 1   |     |       | 6      |
|    | 227                      | rough terrain hauler                   | 11  | 3   | 4   | 7   | 4   | 8   | 3   | 1   | 2   | 1   | 7   | 2   | 1   | 2   | 2   | 3   | 1   | 3   | 3   | 1   | 5   | 2   | 1     | 77     |
|    | 229                      | other powered conveying machines       | 18  | 13  | 28  | 14  | 22  | 22  | 19  | 16  | 7   | 10  | 16  | 13  | 12  | 12  | 7   | 8   | 8   | 8   | 8   | 6   | 10  | 4   | 7     | 288    |
| 22 | conveying machine        |  | 522 | 502 | 440 | 408 | 408 | 417 | 404 | 343 | 328 | 266 | 234 | 276 | 230 | 238 | 204 | 242 | 183 | 195 | 224 | 170 | 165 | 174 | 162   | 6,735  |
|    | 231                      | cars, bus, motorcycle                  | 283 | 263 | 259 | 244 | 239 | 211 | 225 | 193 | 149 | 154 | 126 | 126 | 130 | 134 | 121 | 131 | 103 | 118 | 93  | 98  | 88  | 94  | 62    | 3,644  |
|    | 232                      | railway vehicle                        | 9   | 8   | 6   | 6   | 6   | 3   | 15  | 10  | 3   | 1   | 5   | 2   | 3   | 2   | 3   | 1   | 2   |     | 3   | 1   | 2   | 1   |       | 92     |
|    | 239                      | other vehicles                         | 20  | 15  | 19  | 21  | 11  | 23  | 15  | 15  | 18  | 21  | 15  | 18  | 16  | 13  | 10  | 12  | 11  | 9   | 19  | 6   | 7   | 11  | 16    | 341    |
| 23 | vehicle                  |  | 312 | 286 | 284 | 271 | 256 | 237 | 255 | 218 | 170 | 176 | 146 | 146 | 149 | 149 | 134 | 144 | 116 | 127 | 115 | 105 | 97  | 106 | 78    | 4,077  |
| 2  | crane, conveying machine |  | 909 | 876 | 815 | 757 | 738 | 717 | 728 | 627 | 565 | 494 | 424 | 474 | 425 | 434 | 378 | 433 | 340 | 378 | 380 | 314 | 306 | 308 | 275   | 12,095 |
|    | 311                      | boiler                                 |     |     |     | 2   |     |     | 1   | 2   |     |     |     | 2   | 1   |     |     |     | 1   | 1   |     | 1   |     |     |       | 11     |
|    | 312                      | pressure vessel                        | 1   | 3   | 3   | 1   |     | 7   | 1   | 2   | 1   |     |     | 2   |     | 1   |     |     |     | 1   | 1   |     |     |     |       | 24     |
|    | 319                      | other pressure vessels                 |     | 2   | 1   | 2   |     | 1   | 2   | 1   | 1   | 1   |     |     | 1   |     | 1   |     | 1   |     | 1   | 1   |     |     |       | 16     |

|   |    |                              |                               |     |     |     |     |     |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |    |    |       |     |    |
|---|----|------------------------------|-------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|----|----|----|----|----|----|----|----|----|----|----|-------|-----|----|
|   | 31 | pressure vessel              | 1                             | 5   | 4   | 5   |     | 8   | 4   | 5   | 2   | 1   |    | 4   | 2  | 1  | 1  |    | 2  | 2  | 2  | 2  |    |    |    | 51    |     |    |
|   |    | 321                          | chemical facilities           |     |     | 4   | 3   | 1   | 1   |     |     | 1   | 4  | 5   |    | 2  | 1  | 2  | 5  | 1  | 2  |    | 1  |    | 2  |       | 35  |    |
|   | 32 | chemical facilities          |                               |     | 4   | 3   | 1   | 1   |     |     | 1   | 4   | 5  |     | 2  | 1  | 2  | 5  | 1  | 2  |    | 1  |    | 2  |    | 35    |     |    |
|   |    | 331                          | gas welding equipment         |     |     | 2   |     |     |     |     |     | 1   | 3  | 2   | 2  |    | 3  | 1  | 1  | 6  | 1  | 1  | 3  |    | 2  | 1     | 29  |    |
|   |    | 332                          | arc welding equipment         | 3   | 3   | 4   | 2   | 4   | 3   | 3   | 2   | 4   | 3  | 1   | 5  | 2  |    |    | 3  | 3  | 3  | 3  | 2  | 4  |    |       | 57  |    |
|   |    | 339                          | other welding equipment       |     |     |     |     | 1   |     |     |     |     |    |     |    | 1  | 1  |    |    | 1  |    |    |    |    |    | 1     | 5   |    |
|   | 33 | welding equipment            | 3                             | 3   | 6   | 2   | 5   | 3   | 3   | 2   | 5   | 6   | 3  | 7   | 3  | 4  | 1  | 4  | 10 | 4  | 4  | 5  | 4  | 2  | 2  | 91    |     |    |
|   |    | 341                          | kiln, caldron                 | 4   |     | 5   | 9   | 1   | 5   |     | 2   | 11  | 2  | 3   |    |    | 2  | 6  | 2  | 1  | 5  | 3  |    | 1  | 3  | 2     | 67  |    |
|   |    | 342                          | industrial dryer              | 1   |     | 1   |     | 2   | 2   | 2   |     |     | 2  |     |    |    | 1  |    |    |    | 1  |    |    | 1  |    | 1     | 14  |    |
|   |    | 349                          | other kiln, caldron           |     |     | 1   | 1   |     | 1   |     |     |     |    |     |    |    |    |    |    |    |    |    |    |    |    |       | 3   |    |
|   | 34 | kiln, caldron                | 5                             |     | 7   | 10  | 3   | 8   | 2   | 2   | 11  | 4   | 3  |     |    | 3  | 6  | 2  | 1  | 6  | 3  |    | 2  | 3  | 3  | 84    |     |    |
|   |    | 351                          | transmission                  | 14  | 16  | 9   | 9   | 4   | 17  | 12  | 7   | 7   | 12 | 9   | 6  | 5  | 7  | 5  | 6  | 7  | 9  | 6  | 5  | 3  | 3  | 6     | 184 |    |
|   |    | 352                          | electric power facilities     | 12  | 4   | 10  | 3   | 4   | 2   | 6   | 6   | 5   | 6  | 4   | 2  | 1  | 3  | 3  | 6  | 1  | 2  | 1  | 4  |    | 1  | 4     | 90  |    |
|   |    | 359                          | other electrical equipment    | 4   | 4   | 3   | 1   | 1   |     | 2   | 2   |     | 5  | 1   | 1  | 2  | 2  |    | 1  | 1  | 1  |    |    |    |    | 2     | 33  |    |
|   | 35 | electric equipment           | 30                            | 24  | 22  | 13  | 9   | 19  | 20  | 15  | 12  | 23  | 14 | 9   | 8  | 12 | 8  | 13 | 9  | 12 | 7  | 9  | 3  | 4  | 12 | 307   |     |    |
|   |    | 361                          | human power cranes            | 3   | 3   | 3   | 2   | 3   | 1   |     | 4   | 1   | 2  | 1   |    | 1  | 1  | 2  |    | 2  | 2  | 2  | 2  | 3  | 1  | 2     | 41  |    |
|   |    | 362                          | human power hauling equipment | 3   | 4   | 4   | 6   | 2   | 5   | 8   | 7   | 4   | 4  | 4   | 8  | 1  | 4  | 2  | 2  | 5  | 1  | 5  | 5  | 6  | 3  |       | 93  |    |
|   |    | 363                          | human power machine           |     | 1   | 1   | 1   |     |     |     | 1   |     | 2  |     |    |    | 1  |    |    |    |    |    |    |    |    | 1     | 8   |    |
|   |    | 364                          | hand tool                     | 3   | 3   |     | 2   | 2   | 2   | 3   | 1   | 2   | 1  |     |    |    | 1  |    |    |    |    |    |    |    |    | 1     | 2   | 23 |
|   | 36 | human power machine, tools   | 9                             | 11  | 8   | 11  | 7   | 8   | 11  | 13  | 7   | 9   | 5  | 8   | 2  | 7  | 4  | 2  | 7  | 3  | 7  | 8  | 9  | 6  | 3  | 165   |     |    |
|   |    | 371                          | ladder                        | 40  | 39  | 43  | 36  | 43  | 42  | 32  | 39  | 40  | 27 | 30  | 44 | 27 | 27 | 35 | 27 | 26 | 20 | 33 | 29 | 23 | 17 | 30    | 749 |    |
|   |    | 372                          | slinging tool                 | 22  | 23  | 26  | 21  | 16  | 19  | 15  | 27  | 15  | 23 | 13  | 8  | 11 | 11 | 12 | 9  | 13 | 16 | 9  | 15 | 4  | 8  | 8     | 344 |    |
|   |    | 379                          | other tools                   | 10  | 12  | 15  | 6   | 15  | 13  | 11  | 9   | 6   | 10 | 8   | 10 | 5  | 4  | 6  | 13 | 7  | 5  | 9  | 3  | 9  | 1  | 6     | 193 |    |
|   | 37 | tools                        | 72                            | 74  | 84  | 63  | 74  | 74  | 58  | 75  | 61  | 60  | 51 | 62  | 43 | 42 | 53 | 49 | 46 | 41 | 51 | 47 | 36 | 26 | 44 | 1,286 |     |    |
|   |    | 391                          | other equipments, facilities  | 18  | 19  | 16  | 18  | 23  | 19  | 17  | 14  | 11  | 20 | 17  | 14 | 13 | 14 | 12 | 21 | 15 | 16 | 9  | 13 | 12 | 15 | 7     | 353 |    |
|   | 39 | other equipments, facilities | 18                            | 19  | 16  | 18  | 23  | 19  | 17  | 14  | 11  | 20  | 17 | 14  | 13 | 14 | 12 | 21 | 15 | 16 | 9  | 13 | 12 | 15 | 7  | 353   |     |    |
| 3 |    | other equipment              | 138                           | 136 | 151 | 125 | 122 | 140 | 115 | 126 | 110 | 127 | 98 | 104 | 73 | 84 | 87 | 96 | 91 | 86 | 83 | 85 | 66 | 58 | 71 | 2,372 |     |    |

|   |    |     |   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |
|---|----|-----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
|   |    | 411 | scaffolding                                   | 78  | 55  | 56  | 53  | 53  | 50  | 44  | 31  | 36  | 38  | 28  | 49  | 29  | 26  | 36  | 36  | 27  | 17  | 31  | 25  | 23  | 19  | 14  | 854   |
|   |    | 412 | timbering                                     | 5   | 2   | 7   | 3   |     | 4   |     | 2   | 1   | 1   | 2   | 2   | 3   | 7   | 1   | 1   | 2   |     | 2   |     |     |     | 1   | 46    |
|   |    | 413 | stairs, landing stage                         | 16  | 10  | 10  | 10  | 12  | 10  | 10  | 15  | 19  | 14  | 18  | 17  | 10  | 12  | 12  | 10  | 6   | 10  | 17  | 18  | 15  | 8   | 11  | 290   |
|   |    | 414 | opening                                       | 13  | 20  | 21  | 21  | 13  | 29  | 17  | 21  | 16  | 18  | 18  | 10  | 14  | 20  | 10  | 7   | 18  | 8   | 12  | 20  | 10  | 7   | 15  | 358   |
|   |    | 415 | roof, beam, haze, crossbeam, principal rafter | 94  | 76  | 85  | 81  | 70  | 84  | 57  | 61  | 59  | 55  | 37  | 41  | 54  | 53  | 57  | 39  | 47  | 49  | 44  | 51  | 37  | 27  | 33  | 1,291 |
|   |    | 416 | working platform, boot board                  | 25  | 22  | 18  | 16  | 21  | 15  | 9   | 18  | 18  | 16  | 17  | 13  | 14  | 9   | 10  | 14  | 11  | 7   | 7   | 11  | 9   | 7   | 13  | 320   |
|   |    | 417 | passage                                       | 7   | 9   | 8   | 8   | 4   | 7   | 5   | 12  | 13  | 2   | 4   | 13  | 10  | 7   | 7   | 6   | 5   | 9   | 6   | 10  | 6   | 9   | 16  | 183   |
|   |    | 418 | building, establishment                       | 104 | 105 | 103 | 82  | 94  | 62  | 68  | 76  | 74  | 77  | 52  | 50  | 52  | 57  | 38  | 47  | 35  | 54  | 45  | 38  | 32  | 32  | 38  | 1,415 |
|   |    | 419 | other temporary buildings, establishments     | 18  | 21  | 19  | 19  | 27  | 23  | 16  | 18  | 15  | 11  | 13  | 18  | 10  | 10  | 6   | 12  | 10  | 9   | 20  | 6   | 8   | 12  | 6   | 327   |
|   | 41 |     | temporary buildings, establishments           | 360 | 320 | 327 | 293 | 294 | 284 | 226 | 254 | 251 | 232 | 189 | 213 | 196 | 201 | 177 | 172 | 161 | 163 | 184 | 179 | 140 | 121 | 147 | 5,084 |
| 4 |    |     | temporary buildings, establishments           | 360 | 320 | 327 | 293 | 294 | 284 | 226 | 254 | 251 | 232 | 189 | 213 | 196 | 201 | 177 | 172 | 161 | 163 | 184 | 179 | 140 | 121 | 147 | 5,084 |
|   |    | 511 | explosive substance                           | 4   | 2   |     | 1   | 12  | 1   | 5   | 1   |     | 1   | 3   | 1   |     | 1   |     |     |     | 2   | 3   |     |     |     |     | 37    |
|   |    | 512 | inflammable substance                         | 9   | 18  | 10  | 3   | 14  | 6   | 2   | 15  | 12  | 3   | 5   | 2   | 4   | 5   | 8   | 2   | 4   | 2   | 2   | 3   | 37  | 2   | 8   | 176   |
|   |    | 513 | inflammable gas                               | 2   | 2   | 4   | 3   | 2   | 5   | 2   |     | 9   | 3   |     | 1   | 4   | 8   | 4   | 2   | 3   | 1   |     | 2   | 2   | 1   | 1   | 61    |
|   |    | 514 | harmful substance                             | 19  | 17  | 9   | 18  | 15  | 14  | 9   | 13  | 13  | 6   | 11  | 11  | 8   | 7   | 11  | 14  | 13  | 4   | 7   | 8   | 5   | 6   | 8   | 246   |
|   |    | 515 | radiation                                     | 1   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 1     |
|   |    | 519 | other hazards, harmful substances             | 5   | 6   | 3   | 2   | 2   | 3   |     | 2   | 4   | 3   | 1   |     | 3   | 2   | 1   | 2   | 3   | 1   | 2   | 3   | 5   | 2   | 2   | 57    |
|   | 51 |     | hazards, harmful substances                   | 40  | 45  | 26  | 27  | 45  | 29  | 18  | 31  | 38  | 16  | 20  | 15  | 19  | 23  | 24  | 20  | 23  | 8   | 13  | 19  | 49  | 11  | 19  | 578   |
|   |    | 521 | metal material                                | 26  | 18  | 26  | 21  | 13  | 18  | 21  | 22  | 24  | 21  | 13  | 13  | 11  | 14  | 18  | 11  | 15  | 4   | 14  | 13  | 7   | 8   | 10  | 361   |
|   |    | 522 | lumber, bamboo                                | 5   | 11  | 9   | 11  | 2   | 7   | 7   | 9   | 7   | 5   | 3   | 6   | 2   | 4   | 2   | 1   | 5   | 2   | 3   | 3   | 2   | 3   | 2   | 111   |
|   |    | 523 | stone, sand, substance                        | 5   | 6   | 5   | 2   | 3   | 1   | 7   | 2   | 1   |     |     |     | 3   | 2   |     | 2   | 1   | 3   | 1   | 2   |     | 2   | 2   | 50    |
|   |    | 529 | other materials                               | 5   | 3   | 6   | 5   | 4   | 4   | 5   | 3   | 2   | 3   | 8   | 5   | 3   | 3   | 4   | 2   | 4   | 3   | 2   |     |     | 2   | 2   | 78    |
|   | 52 |     | materials                                     | 41  | 38  | 46  | 39  | 22  | 30  | 40  | 36  | 34  | 29  | 24  | 24  | 19  | 23  | 24  | 16  | 25  | 12  | 20  | 18  | 9   | 15  | 16  | 600   |
| 5 |    |     | substance, material                           | 81  | 83  | 72  | 66  | 67  | 59  | 58  | 67  | 72  | 45  | 44  | 39  | 38  | 46  | 48  | 36  | 48  | 20  | 33  | 37  | 58  | 26  | 35  | 1,178 |
|   |    | 611 | load  | 25  | 28  | 30  | 25  | 22  | 35  | 22  | 25  | 28  | 23  | 16  | 18  | 16  | 21  | 14  | 12  | 14  | 16  | 12  | 16  | 20  | 12  | 11  | 461   |
|   |    | 612 | machine/equipment                             | 5   | 6   | 4   |     | 5   | 8   | 8   | 6   | 8   | 3   | 4   | 4   | 5   | 4   | 3   | 3   | 6   | 1   | 3   | 3   | 3   | 4   | 3   | 99    |

|   |    |     |                                   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |     |     |     |     |     |     |        |
|---|----|-----|-----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----|-----|-----|-----|-----|-----|--------|
|   |    |     | as load                           |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |     |     |     |     |     |     |        |
|   | 61 |     | load                              | 30    | 34    | 34    | 25    | 27    | 43    | 30    | 31    | 36    | 26    | 20    | 22    | 21    | 25    | 17    | 15    | 20  | 17  | 15  | 19  | 23  | 16  | 14  | 560    |
| 6 |    |     | load                              | 30    | 34    | 34    | 25    | 27    | 43    | 30    | 31    | 36    | 26    | 20    | 22    | 21    | 25    | 17    | 15    | 20  | 17  | 15  | 19  | 23  | 16  | 14  | 560    |
|   |    | 711 | natural ground, rock              | 77    | 59    | 64    | 56    | 57    | 49    | 32    | 39    | 40    | 32    | 37    | 26    | 28    | 25    | 37    | 25    | 24  | 24  | 19  | 24  | 25  | 22  | 21  | 842    |
|   |    | 712 | standing tree                     | 57    | 48    | 45    | 40    | 37    | 41    | 47    | 49    | 44    | 38    | 36    | 50    | 34    | 39    | 35    | 51    | 50  | 35  | 37  | 35  | 35  | 35  | 31  | 949    |
|   |    | 713 | water                             | 15    | 19    | 10    | 12    | 14    | 24    | 13    | 14    | 11    | 22    | 18    | 14    | 1,301 | 13    | 17    | 12    | 11  | 16  | 21  | 20  | 9   | 16  | 11  | 1,633  |
|   |    | 714 | abnormal environment              | 2     | 9     | 8     | 7     | 5     | 3     | 5     | 8     | 2     | 9     | 4     | 5     | 4     | 7     | 5     | 1     | 5   | 4   | 4   | 7   | 5   | 9   | 7   | 125    |
|   |    | 715 | high/cold temperature environment | 21    | 17    | 27    | 23    | 17    | 14    | 24    | 17    | 18    | 17    | 9     | 49    | 21    | 19    | 32    | 12    | 30  | 12  | 15  | 30  | 25  | 24  | 20  | 493    |
|   |    | 719 | other environments                | 12    | 16    | 2     | 11    | 15    | 14    | 14    | 30    | 4     | 10    | 10    | 14    | 21    | 7     | 16    | 9     | 10  | 9   | 7   | 13  | 6   | 9   | 13  | 272    |
|   | 71 |     | natural environment               | 184   | 168   | 156   | 149   | 145   | 145   | 135   | 157   | 119   | 128   | 114   | 158   | 1,409 | 110   | 142   | 110   | 130 | 100 | 103 | 129 | 105 | 115 | 103 | 4,314  |
| 7 |    |     | environment                       | 184   | 168   | 156   | 149   | 145   | 145   | 135   | 157   | 119   | 128   | 114   | 158   | 1,409 | 110   | 142   | 110   | 130 | 100 | 103 | 129 | 105 | 115 | 103 | 4,314  |
|   |    | 911 | other causal agent                | 19    | 8     | 10    | 14    | 27    | 33    | 21    | 10    | 9     | 5     | 9     | 5     | 7     | 1     | 6     | 12    | 3   | 1   |     | 4   | 6   | 23  | 89  | 322    |
|   | 91 |     | other causal agent                | 19    | 8     | 10    | 14    | 27    | 33    | 21    | 10    | 9     | 5     | 9     | 5     | 7     | 1     | 6     | 12    | 3   | 1   |     | 4   | 6   | 23  | 89  | 322    |
|   |    | 921 | no causal agent                   | 7     | 2     | 3     | 10    | 3     | 11    | 19    | 22    | 37    | 29    | 28    | 37    | 44    | 52    | 43    | 49    | 62  | 57  | 59  | 37  | 39  | 21  | 21  | 692    |
|   | 92 |     | no causal agent                   | 7     | 2     | 3     | 10    | 3     | 11    | 19    | 22    | 37    | 29    | 28    | 37    | 44    | 52    | 43    | 49    | 62  | 57  | 59  | 37  | 39  | 21  | 21  | 692    |
|   |    | 999 | unclassifiable                    | 8     | 6     | 5     | 7     | 5     | 8     | 12    | 7     | 5     | 7     | 10    | 5     | 9     | 7     | 6     | 5     | 11  | 3   | 5   | 6   | 7   | 3   | 5   | 152    |
|   | 99 |     | unclassifiable                    | 8     | 6     | 5     | 7     | 5     | 8     | 12    | 7     | 5     | 7     | 10    | 5     | 9     | 7     | 6     | 5     | 11  | 3   | 5   | 6   | 7   | 3   | 5   | 152    |
| 9 |    |     | others                            | 34    | 16    | 18    | 31    | 35    | 52    | 52    | 39    | 51    | 41    | 47    | 47    | 60    | 60    | 55    | 66    | 76  | 61  | 64  | 47  | 52  | 47  | 115 | 1,166  |
| 0 |    |     | total                             | 1,992 | 1,889 | 1,790 | 1,658 | 1,628 | 1,620 | 1,514 | 1,472 | 1,357 | 1,268 | 1,075 | 1,195 | 2,338 | 1,093 | 1,030 | 1,057 | 972 | 928 | 978 | 909 | 845 | 802 | 867 | 30,277 |

Data of 2011 year include Industrial accidents caused by Great East Japan Earthquake in 2011.

Data sources: <https://anzeninfo.mhlw.go.jp/user/anzen/tok/anst00.htm> (MHLW, Japan)

Return to <https://www.jisha.or.jp/english/statistics/2021eftcs.html>