

Fatal and non-fatal accidents in livestock in Japan in 1999-2021

livestock industry Code No.070101

Type of accidents in livestock in 1999-2021

| Type of accidents                  | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | total | Type of accidents                  |
|------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------------------------------------|
| fall from height                   | 271  | 274  | 277  | 246  | 195  | 231  | 202  | 232  | 239  | 259  | 236  | 232  | 231  | 263  | 203  | 241  | 234  | 244  | 255  | 279  | 250  | 273  | 276  | 5,643 | fall from height                   |
| falling to same level              | 135  | 156  | 139  | 126  | 148  | 145  | 164  | 134  | 139  | 147  | 130  | 142  | 146  | 157  | 147  | 146  | 154  | 143  | 126  | 158  | 158  | 170  | 170  | 3,380 | falling to same level              |
| crash                              | 53   | 47   | 58   | 37   | 42   | 52   | 50   | 41   | 37   | 44   | 40   | 50   | 60   | 52   | 35   | 38   | 42   | 42   | 45   | 42   | 46   | 49   | 47   | 1,049 | crash                              |
| struck by flying or falling object | 44   | 26   | 38   | 34   | 36   | 34   | 38   | 36   | 26   | 32   | 32   | 29   | 34   | 26   | 38   | 32   | 26   | 40   | 29   | 36   | 31   | 40   | 26   | 763   | struck by flying or falling object |
| collapse                           | 15   | 14   | 9    | 7    | 13   | 8    | 12   | 10   | 15   | 11   | 11   | 6    | 11   | 8    | 12   | 11   | 12   | 10   | 7    | 13   | 13   | 11   | 10   | 249   | collapse                           |
| crashed by                         | 268  | 245  | 281  | 269  | 228  | 260  | 241  | 274  | 257  | 253  | 225  | 249  | 216  | 226  | 218  | 195  | 211  | 236  | 253  | 200  | 238  | 263  | 263  | 5,569 | crashed by                         |
| caught in/between                  | 161  | 197  | 200  | 188  | 208  | 191  | 173  | 179  | 179  | 192  | 152  | 160  | 186  | 189  | 185  | 172  | 164  | 150  | 166  | 170  | 188  | 189  | 217  | 4,156 | caught in/between                  |
| cut                                | 34   | 30   | 55   | 36   | 46   | 41   | 49   | 42   | 37   | 45   | 34   | 36   | 37   | 35   | 45   | 31   | 29   | 32   | 32   | 38   | 33   | 50   | 33   | 880   | cut                                |
| injury to the sole of the foot     | 9    | 7    | 4    | 2    | 4    | 2    | 6    | 4    | 4    | 2    |      | 6    | 3    | 7    | 4    | 3    | 3    | 3    | 1    | 6    | 2    | 5    | 4    | 91    | injury to the sole of the foot     |
| drown                              | 1    |      |      |      |      |      |      |      | 1    | 1    |      |      |      |      |      |      |      |      |      |      | 1    |      |      | 4     | drown                              |
| contact to high/low-temperature    | 8    | 6    | 5    | 4    | 4    | 4    | 12   | 6    | 9    | 4    | 8    | 10   | 6    | 3    | 15   | 6    | 3    | 7    | 4    | 14   | 7    | 12   | 8    | 165   | contact to high/low-temperature    |
| contact to harmful                 | 1    | 5    | 3    | 3    | 3    | 3    | 4    | 2    | 4    | 6    | 8    | 12   | 9    | 19   | 8    | 6    | 11   | 12   | 6    | 6    | 7    | 11   | 8    | 157   | contact to harmful                 |

| substance                                |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |       |       |       |       |       |       |       |        | substance                                |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-------|-------|-------|-------|-------|-------|--------|--|
| electric shock                           | 1     |       |       |       | 1     |       |       |       | 1     |       | 1     |       |       | 2     |       |     | 1     | 1     |       |       | 1     | 1     | 1     | 11     | electric shock                           |
| explosion                                |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |       |       | 1     |       |       |       |       | 1      | explosion                                |
| burst                                    | 1     |       | 1     |       |       |       |       |       |       |       |       | 1     |       |       |       |     | 1     | 1     |       |       | 1     |       | 2     | 8      | burst                                    |
| fire                                     | 1     |       | 3     |       |       |       |       |       | 1     | 1     |       | 2     |       |       | 1     |     | 1     |       |       |       |       | 1     |       | 11     | fire                                     |
| traffic accident<br>(public road)        | 13    | 14    | 15    | 14    | 6     | 8     | 16    | 8     | 17    | 9     | 15    | 16    | 14    | 11    | 15    | 8   | 6     | 14    | 5     | 4     | 9     | 8     | 5     | 250    | traffic accident<br>(public road)        |
| traffic accident<br>(others)             | 1     |       | 4     |       |       | 2     | 2     |       | 1     |       |       | 1     | 1     | 1     | 1     | 1   | 2     |       | 1     | 1     | 1     |       |       | 20     | traffic accident<br>(others)             |
| reaction to<br>motion/improper<br>motion | 95    | 99    | 83    | 80    | 88    | 104   | 105   | 101   | 85    | 94    | 103   | 78    | 93    | 110   | 76    | 77  | 80    | 70    | 72    | 92    | 88    | 120   | 102   | 2,095  | reaction to<br>motion/improper<br>motion |
| others                                   | 23    | 32    | 18    | 22    | 20    | 30    | 19    | 28    | 17    | 18    | 36    | 13    | 19    | 15    | 14    | 25  | 28    | 16    | 17    | 33    | 22    | 33    | 34    | 532    | others                                   |
| unclassifiable                           | 4     | 1     | 2     | 3     | 2     |       | 1     | 4     | 1     | 3     | 3     | 6     | 3     | 5     |       |     | 1     |       | 2     | 1     | 3     | 3     | 3     | 51     | unclassifiable                           |
| total                                    | 1,139 | 1,153 | 1,195 | 1,071 | 1,044 | 1,115 | 1,094 | 1,101 | 1,070 | 1,121 | 1,034 | 1,049 | 1,069 | 1,129 | 1,017 | 992 | 1,009 | 1,021 | 1,022 | 1,093 | 1,099 | 1,239 | 1,209 | 25,085 | total                                    |

Causal agents (large) of fatal and non-fatal accidents in livestock in 1999-2021

| Causal (L) agents           | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | total | Causal (L) agents              |
|-----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|--------------------------------|
| machine                     | 77   | 72   | 75   | 55   | 96   | 80   | 74   | 82   | 62   | 63   | 80   | 60   | 87   | 76   | 78   | 73   | 79   | 61   | 91   | 88   | 84   | 82   | 90   | 1,765 | machine                        |
| crane, conveying<br>machine | 101  | 111  | 101  | 94   | 94   | 85   | 84   | 95   | 105  | 94   | 80   | 104  | 97   | 106  | 114  | 95   | 90   | 93   | 87   | 85   | 88   | 86   | 96   | 2,185 | crane,<br>conveying<br>machine |
| other equipment             | 96   | 89   | 103  | 113  | 91   | 121  | 98   | 101  | 116  | 127  | 101  | 91   | 110  | 118  | 96   | 105  | 97   | 96   | 103  | 109  | 99   | 120  | 105  | 2,405 | other                          |

|                                     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |       |       |       |       |       |       |       |        |                                     |
|-------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-------|-------|-------|-------|-------|-------|--------|-------------------------------------|
|                                     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |       |       |       |       |       |       |       |        | equipment                           |
| temporary buildings, establishments | 138   | 143   | 149   | 118   | 132   | 128   | 139   | 134   | 171   | 138   | 128   | 138   | 152   | 170   | 136   | 125 | 135   | 141   | 134   | 171   | 165   | 197   | 182   | 3,364  | temporary buildings, establishments |
| substance, material                 | 29    | 34    | 24    | 24    | 25    | 21    | 41    | 20    | 24    | 21    | 26    | 38    | 28    | 32    | 23    | 28  | 24    | 27    | 21    | 31    | 24    | 26    | 30    | 621    | substance, material                 |
| load                                | 46    | 35    | 34    | 33    | 28    | 28    | 28    | 30    | 27    | 19    | 29    | 18    | 27    | 28    | 16    | 25  | 26    | 28    | 17    | 19    | 27    | 32    | 22    | 622    | load                                |
| environment                         | 566   | 591   | 635   | 561   | 490   | 553   | 546   | 388   | 418   | 559   | 510   | 510   | 491   | 530   | 495   | 469 | 477   | 513   | 518   | 505   | 528   | 613   | 584   | 12,050 | environment                         |
| others                              | 86    | 78    | 74    | 73    | 88    | 99    | 84    | 251   | 147   | 100   | 80    | 90    | 77    | 69    | 59    | 72  | 81    | 62    | 51    | 85    | 84    | 83    | 100   | 2,073  | others                              |
| total                               | 1,139 | 1,153 | 1,195 | 1,071 | 1,044 | 1,115 | 1,094 | 1,101 | 1,070 | 1,121 | 1,034 | 1,049 | 1,069 | 1,129 | 1,017 | 992 | 1,009 | 1,021 | 1,022 | 1,093 | 1,099 | 1,239 | 1,209 | 25,085 | total                               |

Causal agents (middle) of fatal and non-fatal accidents in livestock in 1999-2021

| Causal (M) agents            | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | total | Causal (M) agents            |
|------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------------------------------|
| engine                       | 1    |      | 1    |      | 1    | 1    | 1    | 2    |      |      |      |      |      | 2    |      |      |      |      | 1    | 1    |      | 1    |      | 12    | engine                       |
| power transmission mechanism | 11   | 11   | 5    | 5    | 12   | 9    | 10   | 11   | 11   | 9    | 11   | 8    | 9    | 8    | 12   | 5    | 11   | 3    | 16   | 12   | 9    | 8    | 13   | 219   | power transmission mechanism |
| woodworking machine          | 3    | 7    | 4    | 2    | 8    | 9    | 3    | 6    | 5    | 4    | 2    | 2    | 6    | 6    |      | 3    | 2    | 5    | 3    | 2    | 3    | 3    | 5    | 93    | woodworking machine          |
| construction machine         | 17   | 6    | 10   | 8    | 8    | 17   | 10   | 13   | 6    | 7    | 8    | 12   | 15   | 17   | 10   | 13   | 13   | 7    | 13   | 16   | 16   | 13   | 14   | 269   | construction machine         |
| metal manufacturing machine  |      | 1    | 5    | 6    | 2    | 2    | 7    | 4    | 2    | 5    | 3    | 2    | 5    | 1    | 3    | 2    | 3    | 2    | 5    | 7    |      | 7    | 5    | 79    | metal manufacturing machine  |

|                                     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |                                     |
|-------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-------------------------------------|
| general machine                     | 45  | 47  | 50  | 34  | 65  | 42  | 43  | 46  | 38  | 38  | 56  | 36  | 52  | 42  | 53  | 50  | 50  | 43  | 53  | 50  | 56  | 50  | 53  | 1,092 | general machine                     |
| mobile silviculture machine         |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 1   |     |     |     |     |     | 1     | mobile silviculture machine         |
| crane                               | 5   | 4   | 3   | 6   | 1   | 1   | 1   | 1   | 3   | 4   | 3   | 3   | 3   |     | 2   | 4   | 2   | 2   | 2   | 2   | 2   | 3   |     | 57    | crane                               |
| conveying machine                   | 77  | 88  | 83  | 68  | 77  | 72  | 68  | 81  | 80  | 79  | 64  | 82  | 75  | 94  | 97  | 75  | 81  | 79  | 78  | 76  | 76  | 72  | 80  | 1,802 | conveying machine                   |
| vehicle                             | 19  | 19  | 15  | 20  | 16  | 12  | 15  | 13  | 22  | 11  | 13  | 19  | 19  | 12  | 15  | 16  | 7   | 12  | 7   | 7   | 10  | 11  | 16  | 326   | vehicle                             |
| pressure vessel                     | 3   |     |     | 1   |     |     |     | 1   |     |     |     |     | 1   |     | 1   | 2   |     |     | 2   |     |     |     |     | 11    | pressure vessel                     |
| chemical facilities                 |     |     |     |     | 1   | 1   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 2     | chemical facilities                 |
| welding equipment                   | 1   | 1   |     | 1   | 1   | 1   |     |     |     |     | 1   | 1   |     |     | 2   | 1   |     |     |     | 1   |     |     | 1   | 12    | welding equipment                   |
| kiln, caldron                       |     | 1   | 1   | 1   |     | 1   |     |     | 1   |     | 1   |     |     | 1   | 1   |     |     |     | 1   |     |     |     |     | 9     | kiln, caldron                       |
| electric equipment                  | 2   | 1   |     | 1   | 2   | 2   |     | 2   | 1   | 1   | 2   | 2   |     | 2   | 1   | 1   |     | 1   |     | 1   | 3   | 1   | 1   | 27    | electric equipment                  |
| human power machine, tools          | 35  | 28  | 50  | 43  | 29  | 37  | 23  | 36  | 41  | 40  | 34  | 27  | 28  | 31  | 31  | 30  | 28  | 30  | 32  | 31  | 26  | 44  | 37  | 771   | human power machine, tools          |
| tools                               | 40  | 51  | 35  | 50  | 43  | 57  | 49  | 39  | 49  | 66  | 46  | 43  | 57  | 55  | 42  | 48  | 56  | 48  | 45  | 58  | 46  | 55  | 53  | 1,131 | tools                               |
| other equipments, facilities        | 15  | 7   | 17  | 16  | 15  | 22  | 26  | 23  | 24  | 20  | 17  | 18  | 24  | 29  | 18  | 23  | 13  | 17  | 23  | 18  | 24  | 20  | 13  | 442   | other equipments, facilities        |
| temporary buildings, establishments | 138 | 143 | 149 | 118 | 132 | 128 | 139 | 134 | 171 | 138 | 128 | 138 | 152 | 170 | 136 | 125 | 135 | 141 | 134 | 171 | 165 | 197 | 182 | 3,364 | temporary buildings, establishments |

|                             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |       |       |       |       |       |       |       |        |                             |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-------|-------|-------|-------|-------|-------|--------|-----------------------------|
| hazards, harmful substances | 5     | 9     | 3     | 3     | 3     | 2     | 6     | 2     | 4     | 5     | 8     | 11    | 8     | 13    | 10    | 8   | 6     | 12    | 7     | 10    | 5     | 12    | 8     | 160    | hazards, harmful substances |
| materials                   | 24    | 25    | 21    | 21    | 22    | 19    | 35    | 18    | 20    | 16    | 18    | 27    | 20    | 19    | 13    | 20  | 18    | 15    | 14    | 21    | 19    | 14    | 22    | 461    | materials                   |
| load                        | 46    | 35    | 34    | 33    | 28    | 28    | 28    | 30    | 27    | 19    | 29    | 18    | 27    | 28    | 16    | 25  | 26    | 28    | 17    | 19    | 27    | 32    | 22    | 622    | load                        |
| natural environment         | 566   | 591   | 635   | 561   | 490   | 553   | 546   | 388   | 418   | 559   | 510   | 510   | 491   | 530   | 495   | 469 | 477   | 513   | 518   | 505   | 528   | 613   | 584   | 12,050 | natural environment         |
| other causal agent          | 63    | 57    | 41    | 46    | 60    | 72    | 61    | 221   | 132   | 74    | 47    | 52    | 46    | 48    | 42    | 50  | 55    | 40    | 36    | 54    | 43    | 37    | 45    | 1,422  | other causal agent          |
| no causal agent             | 21    | 19    | 27    | 26    | 24    | 25    | 17    | 26    | 14    | 24    | 30    | 36    | 31    | 18    | 15    | 21  | 26    | 22    | 15    | 30    | 38    | 45    | 55    | 605    | no causal agent             |
| unclassifiable              | 2     | 2     | 6     | 1     | 4     | 2     | 6     | 4     | 1     | 2     | 3     | 2     |       | 3     | 2     | 1   |       |       |       | 1     | 3     | 1     |       | 46     | unclassifiable              |
| total                       | 1,139 | 1,153 | 1,195 | 1,071 | 1,044 | 1,115 | 1,094 | 1,101 | 1,070 | 1,121 | 1,034 | 1,049 | 1,069 | 1,129 | 1,017 | 992 | 1,009 | 1,021 | 1,022 | 1,093 | 1,099 | 1,239 | 1,209 | 25,085 | total                       |

Causal agents (small) of fatal and non-fatal accidents in livestock in 1999-2021

| Causal (S) agents            | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | total | Causal (S) agents            |
|------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------------------------------|
| engine                       |      |      | 1    |      | 1    |      | 1    | 2    |      |      |      |      |      | 2    |      |      |      |      | 1    | 1    |      | 1    |      | 10    | engine                       |
| power transmission mechanism |      |      | 5    |      | 12   |      | 10   | 11   | 11   | 9    | 11   | 8    | 9    | 8    | 12   | 5    | 11   | 3    | 16   | 12   | 9    | 8    | 13   | 183   | power transmission mechanism |
| circular sawing machine      |      |      | 1    |      | 6    |      | 3    | 4    | 1    | 3    | 1    | 1    | 4    | 5    |      | 3    | 1    | 3    | 1    | 1    | 1    | 1    | 1    | 41    | circular sawing machine      |
| band sawing machine          |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1    |      |      |      |      | 1     | band sawing machine          |
| wood planer machine          |      |      |      |      |      |      |      |      | 2    |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 2     | wood planer machine          |

|  |  |  |   |  |   |  |   |   |   |   |   |    |    |    |   |    |    |   |   |    |    |   |    |     |  |   |   |  |
|--|--|--|---|--|---|--|---|---|---|---|---|----|----|----|---|----|----|---|---|----|----|---|----|-----|--|---|---|--|
| hollow chisel<br>mortiser, wood<br>borer                         |  |  |   |  |   |  |   |   |   |   |   |    |    |    |   |    |    |   |   |    |    |   |    | 1   |  |   | 1   | hollow chisel<br>mortiser, wood<br>borer                         |
| chamfering<br>machine, router,<br>woodworking<br>milling machine |  |  |   |  |   |  |   |   |   |   |   |    |    |    |   |    |    |   |   |    |    |   |    |     |  |   |   | chamfering<br>machine, router,<br>woodworking<br>milling machine |
| chain saw  |  |  | 1 |  | 2 |  |   | 1 | 2 | 1 |   | 1  | 1  |    |   |    | 1  | 1 |   |    | 1  | 2 | 3  | 17  |  |   | chain saw                                       |  |
| other woodworking<br>machines                                    |  |  | 2 |  |   |  |   | 1 |   |   | 1 |    | 1  | 1  |   |    |    | 1 | 1 |    | 1  |   | 1  | 10  |  |   | other woodworking<br>machines                   |  |
| leveling,<br>transporting or<br>loading machine                  |  |  | 9 |  | 7 |  | 6 | 8 | 5 | 6 | 7 | 11 | 12 | 15 | 8 | 11 | 11 | 6 | 6 | 14 | 11 | 9 | 11 | 173 |  |   | leveling,<br>transporting or<br>loading machine |  |
| excavating machine   |  |  | 1 |  |   |  | 3 | 4 | 1 |   | 1 | 1  | 3  | 2  |   | 2  | 2  | 1 | 7 | 2  | 4  | 4 | 2  | 40  |  |   | excavating machine                              |  |
| foundation work<br>machine                                       |  |  |   |  |   |  |   |   |   |   |   |    |    |    |   |    |    |   |   |    |    |   |    |     |  |   | foundation work<br>machine                      |  |
| hardening machine  |  |  |   |  |   |  | 1 |   |   |   |   |    |    |    |   |    |    |   |   |    |    |   |    |     |  | 1 | hardening machine                               |  |
| demolition machine   |  |  |   |  |   |  |   |   |   |   |   |    |    |    |   |    |    |   |   |    |    |   |    |     |  |   | demolition machine                              |  |
| vehicle for high lift<br>work                                    |  |  |   |  |   |  |   |   |   |   | 1 |    |    |    |   | 1  |    |   |   |    |    |   |    |     |  | 2 | vehicle for high lift<br>work                   |  |
| other construction<br>machines                                   |  |  |   |  | 1 |  |   | 1 |   |   |   |    |    |    |   | 1  |    |   |   |    |    | 1 |    |     |  | 1 | 5   | other construction<br>machines                                   |
| lathe  |  |  |   |  |   |  |   |   |   |   |   |    |    |    |   | 1  |    |   | 1 |    |    |   |    |     |  |   | 2   | lathe  |
| drill press, milling<br>machine                                  |  |  | 1 |  |   |  |   |   |   |   |   |    |    |    |   |    |    |   |   |    |    |   |    |     |  |   | 1   | drill press, milling<br>machine                                  |
|  |  |  |   |  |   |  |   |   |   |   |   |    |    |    |   |    |    |   |   |    |    |   |    |     |  |   |   |  |









|   |  |  |    |  |    |  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |   |
|---|--|--|----|--|----|--|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------|---|
| cranes  |  |  | 3  |  | 1  |  | 1  |    | 1  |    | 1  | 1  |    | 1  | 1  | 1  |    | 1  | 1  | 6  | 7  | 6  | 32 | cranes |   |
| human power<br>hauling equipment                    |  |  | 26 |  | 15 |  | 12 | 18 | 24 | 25 | 17 | 16 | 17 | 18 | 19 | 11 | 17 | 21 | 20 | 18 | 11 | 19 | 13 | 337    | human power<br>hauling equipment                    |
| human power<br>machine                              |  |  |    |  |    |  |    | 2  | 1  | 1  | 1  |    | 2  | 1  | 1  |    | 2  |    | 2  | 1  | 1  |    |    | 15     | human power<br>machine                              |
| hand tool   |  |  | 21 |  | 13 |  | 10 | 16 | 15 | 14 | 15 | 10 | 9  | 11 | 10 | 18 | 9  | 9  | 9  | 11 | 8  | 18 | 18 | 244    | hand tool   |
| ladder  |  |  | 24 |  | 26 |  | 23 | 27 | 25 | 34 | 25 | 25 | 35 | 32 | 28 | 28 | 36 | 34 | 24 | 39 | 27 | 33 | 33 | 558    | ladder  |
| slinging tool                                       |  |  |    |  |    |  |    |    |    |    | 1  |    |    | 1  |    |    |    | 1  |    |    |    | 1  |    | 4      | slinging tool                                       |
| other tools   |  |  | 11 |  | 17 |  | 26 | 12 | 24 | 32 | 20 | 18 | 22 | 22 | 14 | 20 | 20 | 14 | 20 | 19 | 19 | 22 | 19 | 371    | other tools   |
| other equipment,<br>facilities                      |  |  | 17 |  | 15 |  | 26 | 23 | 24 | 20 | 17 | 18 | 24 | 29 | 18 | 23 | 13 | 17 | 23 | 18 | 24 | 20 | 13 | 382    | other equipment,<br>facilities                      |
| scaffolding   |  |  | 3  |  | 1  |  | 3  | 2  | 2  | 1  | 2  | 4  | 1  | 3  | 1  |    |    |    | 1  | 1  | 3  | 2  | 1  | 31     | scaffolding   |
| timbering   |  |  |    |  |    |  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1  | 1      | timbering   |
| stairs, landing stage                               |  |  | 7  |  | 10 |  | 8  | 10 | 13 | 2  | 7  | 14 | 7  | 20 | 15 | 12 | 7  | 6  | 8  | 13 | 13 | 17 | 14 | 203    | stairs, landing stage                               |
| opening   |  |  | 6  |  | 2  |  | 3  | 4  | 5  | 4  | 2  | 1  | 2  | 2  | 1  | 6  | 3  | 6  | 5  | 4  | 2  | 9  | 4  | 71     | opening   |
| roof, beam, haze,<br>crossbeam,<br>principal rafter |  |  | 4  |  | 6  |  | 11 | 6  | 8  | 5  | 10 | 5  | 4  | 7  | 8  | 9  | 8  | 6  | 6  | 11 | 5  | 9  | 7  | 135    | roof, beam, haze,<br>crossbeam,<br>principal rafter |
| working platform,<br>boot board                     |  |  | 21 |  | 18 |  | 23 | 16 | 21 | 13 | 14 | 12 | 22 | 10 | 20 | 21 | 23 | 19 | 16 | 19 | 15 | 20 | 17 | 340    | working platform,<br>boot board                     |
| passage   |  |  | 48 |  | 45 |  | 43 | 44 | 48 | 55 | 38 | 51 | 52 | 50 | 37 | 40 | 53 | 56 | 49 | 64 | 56 | 79 | 75 | 983    | passage   |
| building,<br>establishment                          |  |  | 36 |  | 33 |  | 29 | 28 | 45 | 34 | 29 | 31 | 42 | 40 | 27 | 21 | 29 | 28 | 31 | 37 | 42 | 29 | 32 | 623    | building,<br>establishment                          |
| other temporary<br>buildings,                       |  |  | 24 |  | 17 |  | 19 | 24 | 29 | 24 | 26 | 20 | 22 | 38 | 27 | 16 | 12 | 20 | 18 | 22 | 29 | 32 | 31 | 450    | other temporary<br>buildings,                       |

|                                   |  |  |    |  |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |                                   |
|-----------------------------------|--|--|----|--|----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----------------------------------|
| establishments                    |  |  |    |  |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     | establishments                    |
| explosive substance               |  |  |    |  |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     | explosive substance               |
| inflammable substance             |  |  | 1  |  |    | 1 |    |    |    |    |    |    | 1  | 2  |    |    | 1  | 1  | 1  |    |    |    |    | 8   | inflammable substance             |
| inflammable gas                   |  |  |    |  |    |   |    |    |    |    |    |    |    | 1  |    |    |    |    |    |    |    |    |    | 1   | inflammable gas                   |
| harmful substance                 |  |  | 1  |  | 1  |   | 1  | 1  | 3  | 2  | 1  | 3  | 4  | 4  | 4  | 3  | 6  | 5  | 1  | 6  | 3  |    | 2  | 51  | harmful substance                 |
| radiation                         |  |  |    |  |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     | radiation                         |
| other hazards, harmful substances |  |  | 1  |  | 2  |   | 4  | 1  | 1  | 3  | 7  | 8  | 4  | 8  | 3  | 5  |    | 6  | 5  | 3  | 2  | 12 | 6  | 81  | other hazards, harmful substances |
| metal material                    |  |  | 14 |  | 13 |   | 14 | 13 | 14 | 9  | 12 | 19 | 7  | 9  | 4  | 9  | 7  | 4  | 5  | 9  | 6  | 9  | 12 | 189 | metal material                    |
| lumber, bamboo                    |  |  | 5  |  | 3  |   | 9  | 2  | 2  | 4  | 1  | 1  | 6  | 2  | 3  | 2  | 3  | 2  | 5  | 2  | 6  | 5  | 4  | 67  | lumber, bamboo                    |
| stone, sand, substance            |  |  | 1  |  | 2  |   |    | 1  | 1  |    |    | 1  |    | 1  | 1  |    | 1  | 2  |    | 1  |    |    | 1  | 13  | stone, sand, substance            |
| other materials                   |  |  | 1  |  | 4  |   | 12 | 2  | 3  | 3  | 5  | 6  | 7  | 7  | 5  | 9  | 7  | 7  | 4  | 9  | 7  |    | 5  | 103 | other materials                   |
| load                              |  |  | 31 |  | 26 |   | 28 | 28 | 26 | 18 | 28 | 17 | 26 | 27 | 15 | 22 | 25 | 27 | 16 | 18 | 27 | 32 | 22 | 459 | load                              |
| machine/equipment as load         |  |  | 3  |  | 2  |   |    | 2  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 3  | 1  | 1  | 1  |    |    |    |    | 21  | machine/equipment as load         |
| natural ground, rock              |  |  | 2  |  | 8  |   | 5  | 4  | 4  | 3  | 3  | 4  | 4  | 2  |    | 5  | 3  | 1  | 3  | 3  | 5  | 4  | 3  | 66  | natural ground, rock              |
| standing tree                     |  |  | 2  |  |    |   | 3  |    | 2  | 1  | 4  | 1  | 1  | 1  | 6  | 5  | 3  | 2  |    | 2  | 2  | 4  | 3  | 42  | standing tree                     |
| water                             |  |  |    |  | 1  |   | 1  |    | 1  |    | 3  |    | 1  |    |    | 1  | 1  |    | 1  | 1  | 1  |    |    | 12  | water                             |
| abnormal environment              |  |  |    |  |    |   |    |    |    | 2  | 1  |    |    | 1  |    |    | 3  | 2  | 1  | 1  |    |    |    | 11  | abnormal environment              |
| high/cold temperature             |  |  | 1  |  |    |   | 5  | 4  | 4  | 4  |    | 5  | 5  | 5  | 7  | 3  | 1  | 3  | 2  | 10 | 3  | 5  | 5  | 72  | high/cold temperature             |

|                    |  |  |       |  |       |  |       |       |       |       |       |       |       |       |       |     |       |       |       |       |       |       |       |        |                    |
|--------------------|--|--|-------|--|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-------|-------|-------|-------|-------|-------|--------|--------------------|
| environment        |  |  |       |  |       |  |       |       |       |       |       |       |       |       |       |     |       |       |       |       |       |       |       |        | environment        |
| other environments |  |  | 630   |  | 481   |  | 532   | 380   | 407   | 549   | 499   | 500   | 480   | 521   | 482   | 455 | 466   | 505   | 511   | 488   | 517   | 600   | 573   | 9,576  | other environments |
| other causal agent |  |  | 41    |  | 60    |  | 61    | 221   | 132   | 74    | 47    | 52    | 46    | 48    | 42    | 50  | 55    | 40    | 36    | 54    | 43    | 37    | 45    | 1,184  | other causal agent |
| no causal agent    |  |  | 27    |  | 24    |  | 17    | 26    | 14    | 24    | 30    | 36    | 31    | 18    | 15    | 21  | 26    | 22    | 15    | 30    | 38    | 45    | 55    | 514    | no causal agent    |
| unclassifiable     |  |  | 6     |  | 4     |  | 6     | 4     | 1     | 2     | 3     | 2     |       | 3     | 2     | 1   |       |       |       | 1     | 3     | 1     |       | 39     | unclassifiable     |
| total              |  |  | 1,195 |  | 1,044 |  | 1,094 | 1,101 | 1,070 | 1,121 | 1,034 | 1,049 | 1,069 | 1,129 | 1,017 | 992 | 1,009 | 1,021 | 1,022 | 1,093 | 1,099 | 1,239 | 1,209 | 20,607 | total              |

#### Workers age of fatal and non-fatal accidents in livestock in 1999-2021

| Age                  | 1999  | 2000  | 2001  | 2002  | 2003  | 2004  | 2005  | 2006  | 2007  | 2008  | 2009  | 2010  | 2011  | 2012  | 2013  | 2014 | 2015  | 2016  | 2017  | 2018  | 2019  | 2020  | 2021  | total  | Age                  |
|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|--------|----------------------|
| 19 years old or less | 55    | 45    | 53    | 40    | 28    | 29    | 23    | 31    | 18    | 18    | 11    | 25    | 8     | 32    | 19    | 18   | 25    | 19    | 22    | 16    | 15    | 28    | 17    | 595    | 19 years old or less |
| 20-29                | 309   | 311   | 309   | 292   | 240   | 275   | 265   | 236   | 240   | 264   | 213   | 214   | 208   | 194   | 218   | 176  | 162   | 148   | 171   | 189   | 178   | 206   | 231   | 5,249  | 20-29                |
| 30-39                | 162   | 162   | 192   | 168   | 181   | 205   | 218   | 249   | 226   | 229   | 232   | 205   | 246   | 269   | 210   | 249  | 241   | 244   | 221   | 245   | 246   | 261   | 231   | 5,092  | 30-39                |
| 40-49                | 233   | 216   | 197   | 196   | 198   | 198   | 174   | 171   | 163   | 165   | 180   | 188   | 197   | 187   | 189   | 176  | 209   | 217   | 218   | 236   | 262   | 278   | 273   | 4,721  | 40-49                |
| 50-59                | 229   | 271   | 264   | 235   | 240   | 264   | 260   | 281   | 271   | 315   | 240   | 235   | 229   | 257   | 211   | 211  | 203   | 201   | 194   | 202   | 203   | 226   | 229   | 5,471  | 50-59                |
| 60 years old or more | 151   | 148   | 180   | 140   | 157   | 144   | 154   | 133   | 152   | 130   | 158   | 182   | 181   | 190   | 170   | 162  | 169   | 192   | 196   | 205   | 195   | 240   | 228   | 3,957  | 60 years old or more |
| total                | 1,139 | 1,153 | 1,195 | 1,071 | 1,044 | 1,115 | 1,094 | 1,101 | 1,070 | 1,121 | 1,034 | 1,049 | 1,069 | 1,129 | 1,017 | 992  | 1,009 | 1,021 | 1,022 | 1,093 | 1,099 | 1,239 | 1,209 | 25,085 | total                |

#### Workers' number of workplace of fatal and non-fatal accidents in livestock in 1999-2021

| Workers scale     | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | total  | Workers scale     |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-------------------|
| 9 workers or less | 379  | 395  | 415  | 335  | 375  | 376  | 350  | 359  | 337  | 326  | 346  | 342  | 366  | 341  | 339  | 347  | 340  | 329  | 346  | 322  | 352  | 375  | 371  | 8,163  | 9 workers or less |
| 10-29             | 488  | 506  | 536  | 474  | 445  | 487  | 489  | 471  | 462  | 497  | 430  | 444  | 422  | 478  | 430  | 396  | 410  | 431  | 432  | 471  | 467  | 527  | 495  | 10,688 | 10-29             |

|                     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |       |       |       |       |       |       |       |        |                     |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-------|-------|-------|-------|-------|-------|--------|---------------------|
| 30-49               | 132   | 110   | 104   | 130   | 112   | 115   | 118   | 110   | 108   | 118   | 102   | 101   | 108   | 123   | 72    | 107 | 88    | 87    | 87    | 107   | 117   | 134   | 132   | 2,522  | 30-49               |
| 50-99               | 60    | 84    | 91    | 94    | 81    | 90    | 91    | 108   | 111   | 119   | 92    | 93    | 92    | 118   | 97    | 86  | 110   | 115   | 100   | 114   | 87    | 102   | 123   | 2,258  | 50-99               |
| 100-299             | 75    | 52    | 45    | 35    | 29    | 43    | 43    | 49    | 47    | 53    | 59    | 61    | 77    | 67    | 72    | 52  | 57    | 54    | 50    | 71    | 71    | 97    | 82    | 1,341  | 100-299             |
| 300 workers or more | 5     | 6     | 4     | 3     | 2     | 4     | 3     | 4     | 5     | 8     | 5     | 8     | 4     | 2     | 7     | 4   | 4     | 5     | 7     | 8     | 5     | 4     | 6     | 113    | 300 workers or more |
| total               | 1,139 | 1,153 | 1,195 | 1,071 | 1,044 | 1,115 | 1,094 | 1,101 | 1,070 | 1,121 | 1,034 | 1,049 | 1,069 | 1,129 | 1,017 | 992 | 1,009 | 1,021 | 1,022 | 1,093 | 1,099 | 1,239 | 1,209 | 25,085 | total               |

Month of fatal and non-fatal accidents in livestock in 1999-2021

| Month     | 1999  | 2000  | 2001  | 2002  | 2003  | 2004  | 2005  | 2006  | 2007  | 2008  | 2009  | 2010  | 2011  | 2012  | 2013  | 2014 | 2015  | 2016  | 2017  | 2018  | 2019  | 2020  | 2021  | total  | Month     |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|--------|-----------|
| January   | 101   | 94    | 95    | 100   | 105   | 87    | 94    | 103   | 78    | 75    | 81    | 83    | 87    | 99    | 88    | 80   | 77    | 84    | 87    | 95    | 92    | 111   | 115   | 2,111  | January   |
| February  | 91    | 103   | 87    | 83    | 73    | 94    | 82    | 72    | 88    | 114   | 81    | 90    | 76    | 109   | 83    | 83   | 69    | 103   | 78    | 85    | 89    | 88    | 92    | 2,013  | February  |
| March     | 111   | 101   | 105   | 90    | 74    | 104   | 85    | 98    | 86    | 93    | 87    | 94    | 92    | 88    | 88    | 71   | 88    | 83    | 104   | 77    | 90    | 98    | 100   | 2,107  | March     |
| April     | 100   | 85    | 103   | 95    | 88    | 83    | 81    | 80    | 92    | 101   | 81    | 88    | 96    | 92    | 75    | 92   | 83    | 76    | 83    | 75    | 89    | 101   | 111   | 2,050  | April     |
| May       | 90    | 102   | 90    | 98    | 86    | 123   | 84    | 110   | 88    | 87    | 91    | 78    | 67    | 109   | 78    | 91   | 94    | 91    | 82    | 96    | 89    | 90    | 104   | 2,118  | May       |
| June      | 90    | 103   | 103   | 94    | 82    | 104   | 96    | 105   | 103   | 90    | 91    | 85    | 98    | 89    | 86    | 77   | 74    | 93    | 80    | 96    | 85    | 118   | 102   | 2,144  | June      |
| July      | 92    | 92    | 105   | 79    | 85    | 104   | 113   | 97    | 106   | 108   | 94    | 91    | 86    | 88    | 99    | 81   | 92    | 80    | 74    | 99    | 85    | 122   | 90    | 2,162  | July      |
| August    | 92    | 101   | 99    | 97    | 92    | 90    | 98    | 95    | 104   | 87    | 74    | 88    | 96    | 85    | 85    | 90   | 76    | 72    | 82    | 96    | 95    | 102   | 94    | 2,090  | August    |
| September | 99    | 88    | 94    | 67    | 83    | 81    | 71    | 75    | 92    | 97    | 87    | 98    | 92    | 93    | 76    | 77   | 84    | 91    | 75    | 97    | 118   | 113   | 102   | 2,050  | September |
| October   | 96    | 95    | 109   | 93    | 115   | 102   | 99    | 95    | 86    | 105   | 83    | 103   | 94    | 101   | 91    | 88   | 91    | 79    | 98    | 99    | 97    | 112   | 100   | 2,231  | October   |
| November  | 95    | 107   | 114   | 90    | 79    | 81    | 95    | 88    | 80    | 82    | 109   | 76    | 90    | 85    | 74    | 78   | 83    | 80    | 90    | 93    | 85    | 91    | 103   | 2,048  | November  |
| December  | 82    | 82    | 91    | 85    | 82    | 62    | 96    | 83    | 67    | 82    | 75    | 75    | 95    | 91    | 94    | 84   | 98    | 89    | 89    | 85    | 85    | 93    | 96    | 1,961  | December  |
| total     | 1,139 | 1,153 | 1,195 | 1,071 | 1,044 | 1,115 | 1,094 | 1,101 | 1,070 | 1,121 | 1,034 | 1,049 | 1,069 | 1,129 | 1,017 | 992  | 1,009 | 1,021 | 1,022 | 1,093 | 1,099 | 1,239 | 1,209 | 25,085 | total     |

Prefecture of fatal and non-fatal accidents in livestock in 1999-2021

| Prefecture | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | total | Prefecture |
|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------------|
| Hokkaido   | 316  | 274  | 333  |      | 253  |      | 223  | 259  | 253  | 252  | 240  | 261  | 243  | 241  | 223  | 230  | 222  | 252  | 238  | 267  | 260  | 308  | 276  | 5,424 | Hokkaido   |
| Aomori     | 33   | 32   | 35   |      | 30   |      | 30   | 24   | 16   | 23   | 21   | 18   | 22   | 19   | 24   | 19   | 13   | 15   | 18   | 16   | 21   | 27   | 20   | 476   | Aomori     |
| Iwate      | 45   | 55   | 43   |      | 30   |      | 23   | 37   | 44   | 28   | 34   | 22   | 48   | 54   | 42   | 40   | 42   | 30   | 33   | 51   | 65   | 65   | 61   | 892   | Iwate      |
| Miyagi     | 11   | 14   | 11   |      | 11   |      | 10   | 10   | 4    | 9    | 6    | 10   | 7    | 13   | 15   | 13   | 13   | 10   | 7    | 13   | 16   | 11   | 8    | 222   | Miyagi     |
| Akita      | 9    | 11   | 6    |      | 11   |      | 5    | 10   | 7    | 5    | 7    | 5    | 6    | 3    | 13   | 10   | 4    | 8    | 7    | 4    | 11   | 7    | 11   | 160   | Akita      |
| Yamagata   | 12   | 7    | 7    |      | 5    |      | 13   | 10   | 8    | 2    | 9    | 9    | 7    | 12   | 12   | 3    | 10   | 9    | 4    | 8    | 6    | 8    | 14   | 175   | Yamagata   |
| Fukushima  | 7    | 43   | 34   |      | 30   |      | 29   | 32   | 33   | 36   | 20   | 23   | 23   | 13   | 10   | 18   | 19   | 14   | 10   | 12   | 23   | 17   | 19   | 465   | Fukushima  |
| Ibaraki    | 170  | 168  | 181  |      | 134  |      | 162  | 153  | 130  | 149  | 117  | 129  | 115  | 141  | 124  | 114  | 150  | 115  | 116  | 130  | 134  | 141  | 137  | 2,910 | Ibaraki    |
| Tochigi    | 27   | 16   | 21   |      | 22   |      | 18   | 17   | 18   | 23   | 12   | 19   | 24   | 22   | 30   | 24   | 21   | 25   | 36   | 24   | 33   | 28   | 36   | 496   | Tochigi    |
| Gunma      | 15   | 17   | 23   |      | 10   |      | 25   | 23   | 13   | 23   | 21   | 19   | 26   | 15   | 21   | 16   | 13   | 21   | 22   | 30   | 25   | 35   | 32   | 445   | Gunma      |
| Saitama    | 13   | 14   | 13   |      | 6    |      | 8    | 6    | 10   | 5    | 14   | 17   | 10   | 9    | 13   | 19   | 14   | 14   | 12   | 8    | 6    | 11   | 9    | 231   | Saitama    |
| Chiba      | 14   | 27   | 32   |      | 38   |      | 51   | 43   | 38   | 49   | 46   | 38   | 53   | 54   | 30   | 24   | 22   | 32   | 16   | 27   | 20   | 25   | 19   | 698   | Chiba      |
| Tokyo      | 1    | 1    |      |      | 3    |      |      |      | 2    |      |      | 1    | 2    |      | 7    | 3    |      | 3    | 1    |      |      |      | 1    | 25    | Tokyo      |
| Kanagawa   | 3    | 1    | 3    |      | 6    |      | 9    | 6    | 6    | 13   | 15   | 13   | 9    | 11   | 8    | 12   | 9    | 9    | 7    | 10   | 16   | 11   | 22   | 199   | Kanagawa   |
| Niigata    | 15   | 25   | 14   |      | 13   |      | 15   | 13   | 27   | 20   | 17   | 20   | 13   | 14   | 15   | 21   | 12   | 15   | 15   | 23   | 19   | 33   | 24   | 383   | Niigata    |
| Toyama     | 7    | 1    | 4    |      | 3    |      | 4    | 2    | 2    | 3    | 3    | 2    | 2    |      | 2    |      | 1    | 2    | 4    | 3    | 2    |      | 1    | 48    | Toyama     |
| Ishikawa   | 8    | 14   | 13   |      | 11   |      | 4    | 6    | 10   | 8    | 12   | 12   | 9    | 6    | 8    | 11   | 4    | 9    | 6    | 6    | 7    | 6    | 5    | 175   | Ishikawa   |
| Fukui      | 1    |      | 3    |      | 1    |      | 2    |      |      | 2    |      |      | 1    | 2    |      |      |      | 1    | 1    | 1    | 1    |      |      | 16    | Fukui      |
| Yamanashi  | 1    | 3    | 1    |      |      |      |      | 1    | 1    | 3    |      | 2    |      | 2    | 1    |      | 1    | 2    | 1    | 1    | 2    | 2    |      | 24    | Yamanashi  |
| Nagano     | 5    | 2    | 4    |      | 3    |      | 6    | 4    | 3    | 4    | 10   | 6    | 10   | 7    | 6    | 6    | 8    | 3    | 6    | 5    | 4    | 7    | 2    | 111   | Nagano     |
| Gifu       | 12   | 7    | 17   |      | 13   |      | 1    | 4    | 9    | 7    | 12   | 6    | 8    | 7    | 8    | 11   | 9    | 13   | 10   | 12   | 11   | 9    | 15   | 201   | Gifu       |
| Shizuoka   | 14   | 4    | 1    |      | 10   |      | 4    | 7    | 7    | 11   | 9    | 5    | 11   | 15   | 9    | 10   | 16   | 10   | 10   | 13   | 10   | 11   | 18   | 205   | Shizuoka   |

|           |    |     |    |  |    |  |    |    |     |     |    |    |    |     |    |    |     |    |     |    |    |    |    |       |           |
|-----------|----|-----|----|--|----|--|----|----|-----|-----|----|----|----|-----|----|----|-----|----|-----|----|----|----|----|-------|-----------|
| Aichi     | 13 | 11  | 11 |  | 16 |  | 15 | 14 | 14  | 11  | 15 | 17 | 25 | 6   | 9  | 12 | 12  | 15 | 20  | 17 | 21 | 23 | 16 | 313   | Aichi     |
| Mie       | 15 | 18  | 21 |  | 16 |  | 15 | 12 | 17  | 13  | 13 | 15 | 20 | 29  | 9  | 17 | 11  | 13 | 16  | 12 | 13 | 20 | 17 | 332   | Mie       |
| Shiga     | 96 | 118 | 96 |  | 85 |  | 99 | 97 | 103 | 102 | 83 | 84 | 74 | 112 | 89 | 95 | 103 | 90 | 109 | 92 | 90 | 98 | 98 | 2,013 | Shiga     |
| Kyoto     | 4  | 7   | 8  |  | 5  |  | 5  | 14 | 9   | 16  | 11 | 12 | 13 | 18  | 11 | 11 | 10  | 11 | 8   | 5  | 4  | 5  | 7  | 194   | Kyoto     |
| Osaka     |    | 1   |    |  | 2  |  | 3  | 1  | 1   |     | 2  | 4  | 1  | 3   |    | 1  | 1   | 1  |     |    |    |    |    | 21    | Osaka     |
| Hyogo     | 17 | 14  | 20 |  | 9  |  | 17 | 8  | 21  | 16  | 13 | 16 | 9  | 20  | 12 | 13 | 9   | 12 | 11  | 8  | 16 | 31 | 35 | 327   | Hyogo     |
| Nara      | 2  | 1   | 3  |  | 2  |  |    | 2  | 2   | 3   | 1  | 4  | 1  | 7   | 6  | 5  | 4   | 6  | 3   | 1  | 5  | 2  |    | 60    | Nara      |
| Wakayama  |    | 2   | 1  |  | 4  |  | 4  | 4  | 3   | 4   | 6  | 7  | 5  | 5   | 1  | 5  | 2   | 2  | 2   | 1  | 2  |    | 2  | 62    | Wakayama  |
| Tottori   | 9  | 10  | 3  |  | 3  |  | 3  | 3  | 4   | 5   | 2  |    | 3  | 6   | 3  | 7  | 7   | 3  | 2   | 5  | 10 | 5  | 8  | 101   | Tottori   |
| Shimane   | 8  | 9   | 9  |  | 11 |  | 8  | 4  | 6   | 8   | 10 | 6  | 6  | 6   | 2  | 8  | 12  | 11 | 5   | 6  | 11 | 8  | 11 | 165   | Shimane   |
| Okayama   | 12 | 24  | 19 |  | 24 |  | 14 | 11 | 15  | 21  | 16 | 12 | 16 | 14  | 21 | 11 | 15  | 10 | 20  | 21 | 18 | 22 | 27 | 363   | Okayama   |
| Hiroshima | 20 | 19  | 10 |  | 18 |  | 25 | 20 | 15  | 20  | 16 | 20 | 23 | 25  | 21 | 15 | 18  | 15 | 10  | 20 | 19 | 18 | 21 | 388   | Hiroshima |
| Yamaguchi | 9  | 8   | 4  |  | 7  |  | 7  | 10 | 9   | 8   | 2  | 5  | 5  | 7   | 7  | 3  | 6   | 5  | 6   | 7  | 6  | 4  | 8  | 133   | Yamaguchi |
| Tokushima | 5  | 5   | 5  |  | 5  |  | 1  | 4  | 2   | 5   | 8  | 1  | 6  | 2   | 4  | 2  |     | 4  | 6   | 7  | 9  | 6  | 5  | 92    | Tokushima |
| Kagawa    | 5  | 7   | 5  |  | 13 |  | 8  | 2  | 5   | 5   | 8  | 7  | 9  | 11  | 8  | 6  | 7   | 8  | 10  | 11 | 3  | 12 | 7  | 157   | Kagawa    |
| Ehime     | 5  | 9   | 11 |  | 8  |  | 14 | 7  | 4   | 2   | 6  | 11 | 7  | 9   | 6  | 3  | 5   | 5  | 9   | 8  | 5  | 8  | 7  | 149   | Ehime     |
| Kochi     | 2  | 2   |    |  | 1  |  | 5  | 1  | 2   | 2   | 1  | 3  | 6  | 1   |    | 2  | 4   | 7  |     | 2  | 3  | 6  | 2  | 52    | Kochi     |
| Fukuoka   | 14 | 10  | 12 |  | 17 |  | 12 | 14 | 17  | 8   | 16 | 14 | 9  | 14  | 14 | 15 | 9   | 20 | 8   | 13 | 10 | 9  | 24 | 279   | Fukuoka   |
| Saga      | 16 | 17  | 18 |  | 9  |  | 16 | 26 | 9   | 16  | 15 | 12 | 11 | 17  | 16 | 12 | 19  | 14 | 16  | 11 | 6  | 19 | 12 | 307   | Saga      |
| Nagasaki  | 7  | 7   | 4  |  | 9  |  | 6  | 11 | 6   | 11  | 3  | 9  | 9  | 6   | 6  | 7  | 6   | 8  | 10  | 7  | 9  | 10 | 11 | 162   | Nagasaki  |
| Kumamoto  | 23 | 23  | 18 |  | 17 |  | 24 | 25 | 28  | 29  | 24 | 20 | 20 | 24  | 17 | 23 | 24  | 21 | 12  | 31 | 25 | 32 | 31 | 491   | Kumamoto  |
| Oita      | 12 | 16  | 14 |  | 15 |  | 22 | 16 | 9   | 13  | 13 | 16 | 15 | 17  | 17 | 13 | 10  | 7  | 20  | 18 | 10 | 13 | 19 | 305   | Oita      |
| Miyazaki  | 40 | 24  | 39 |  | 40 |  | 50 | 53 | 52  | 47  | 59 | 44 | 56 | 39  | 35 | 36 | 31  | 52 | 51  | 51 | 40 | 43 | 32 | 914   | Miyazaki  |
| Kagoshima | 63 | 52  | 60 |  | 61 |  | 69 | 70 | 60  | 72  | 61 | 68 | 60 | 66  | 65 | 60 | 71  | 63 | 80  | 66 | 65 | 72 | 75 | 1,379 | Kagoshima |

|         |       |       |       |  |       |  |       |       |       |       |       |       |       |       |       |     |       |       |       |       |       |       |       |        |         |
|---------|-------|-------|-------|--|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-------|-------|-------|-------|-------|-------|--------|---------|
| Okinawa | 3     | 3     | 5     |  | 4     |  | 10    | 5     | 16    | 9     | 5     | 5     | 11    | 5     | 17    | 6   | 10    | 6     | 8     | 9     | 7     | 11    | 4     | 159    | Okinawa |
| total   | 1,139 | 1,153 | 1,195 |  | 1,044 |  | 1,094 | 1,101 | 1,070 | 1,121 | 1,034 | 1,049 | 1,069 | 1,129 | 1,017 | 992 | 1,009 | 1,021 | 1,022 | 1,093 | 1,099 | 1,239 | 1,209 | 22,899 | total   |

Fatal and non-fatal accidents mean fatal and non-fatal injuries and occupational diseases with work absence of 4 days and more. Data of 2011 year include fatal and non-fatal 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/2021e\\_industry.html](https://www.jisha.or.jp/english/statistics/2021e_industry.html)

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 Fatal accidents in livestock in Japan in 1999-2021

livestock industry Code No.070101

Type of fatal accidents in livestock in 1999-2021

| Type of accidents                  | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | total | Type of accidents                  |
|------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------------------------------------|
| fall from height                   | 3    | 1    | 3    | 4    | 3    | 2    | 2    | 3    | 2    | 3    | 2    | 3    | 2    | 2    | 1    | 2    |      | 2    | 6    | 3    | 1    | 2    | 3    | 55    | fall from height                   |
| falling to same level              |      |      |      |      | 1    | 1    |      |      |      |      | 1    | 1    | 1    | 1    |      |      | 1    | 1    | 1    |      |      | 1    | 2    | 12    | falling to same level              |
| crash                              |      |      |      |      |      |      |      |      | 1    |      | 1    |      |      |      |      |      |      |      |      |      |      |      |      | 2     | crash                              |
| struck by flying or falling object |      |      |      |      | 2    | 1    |      | 1    |      |      |      |      |      |      | 1    |      |      |      |      | 1    | 1    | 1    | 1    | 9     | struck by flying or falling object |
| collapse                           |      |      |      |      |      |      |      |      |      |      | 2    |      |      |      |      |      | 1    |      |      |      | 1    |      | 1    | 5     | collapse                           |
| crashed by                         | 1    | 3    |      |      | 1    |      | 1    | 1    | 1    | 1    |      | 1    |      |      | 1    | 3    | 1    | 3    | 1    |      | 1    | 1    | 3    | 24    | crashed by                         |
| caught in/between                  | 1    | 1    | 3    | 1    | 1    | 6    | 1    |      | 3    | 3    | 1    | 4    | 3    | 2    | 2    |      | 2    | 2    | 4    | 1    | 1    | 1    | 2    | 45    | caught in/between                  |



|                                    |   |   |   |   |   |    |   |   |   |    |    |    |   |   |   |   |   |   |    |   |   |   |   |  |    |     |                                |                                    |       |
|------------------------------------|---|---|---|---|---|----|---|---|---|----|----|----|---|---|---|---|---|---|----|---|---|---|---|--|----|-----|--------------------------------|------------------------------------|-------|
| cut                                |   |   |   |   |   |    |   |   |   |    |    |    |   |   |   |   |   |   |    |   |   |   | 1 |  |    | 1   | cut                            |                                    |       |
| injury to the sole of the foot     |   |   |   |   |   |    |   |   |   |    |    |    |   |   |   |   |   |   |    |   |   |   |   |  |    |     | injury to the sole of the foot |                                    |       |
| drown                              | 1 |   |   |   |   |    |   |   |   | 1  |    |    |   |   |   |   |   |   |    |   |   |   |   |  |    | 1   |                                | 3                                  | drown |
| contact to high/low-temperature    | 1 |   |   |   |   |    | 1 |   |   | 1  |    | 1  |   |   |   | 1 |   |   |    |   |   |   |   |  |    |     | 5                              | contact to high/low-temperature    |       |
| contact to harmful substance       |   |   |   |   |   |    |   |   |   | 1  |    |    |   |   | 1 | 1 |   | 1 | 1  |   |   |   |   |  |    |     | 5                              | contact to harmful substance       |       |
| electric shock                     |   |   |   |   |   |    |   |   |   |    | 1  |    |   |   |   |   |   |   |    |   |   |   |   |  |    | 1   | 2                              | electric shock                     |       |
| explosion                          |   |   |   |   |   |    |   |   |   |    |    |    |   |   |   |   |   |   |    |   |   |   |   |  |    |     |                                | explosion                          |       |
| burst                              |   |   |   |   |   |    |   |   |   |    |    |    |   |   |   |   |   |   |    |   |   |   |   |  |    |     |                                | burst                              |       |
| fire                               |   |   | 1 |   |   |    |   |   |   | 1  |    | 1  |   |   |   |   |   |   |    |   |   |   |   |  |    |     | 3                              | fire                               |       |
| traffic accident (public road)     | 1 | 1 | 1 | 1 | 1 |    | 1 |   | 1 |    | 1  | 1  | 2 |   |   |   |   |   |    |   |   |   |   |  | 1  | 2   | 15                             | traffic accident (public road)     |       |
| traffic accident (others)          |   |   |   |   |   |    |   |   |   |    |    |    |   |   |   |   |   |   |    |   |   |   |   |  |    |     |                                | traffic accident (others)          |       |
| reaction to motion/improper motion |   |   |   |   |   |    |   |   |   |    |    |    |   |   |   |   |   |   |    |   |   |   |   |  |    |     |                                | reaction to motion/improper motion |       |
| others                             | 1 |   |   |   |   |    |   | 1 |   | 1  | 1  |    | 1 |   |   | 1 | 1 |   |    |   |   |   |   |  |    |     | 7                              | others                             |       |
| unclassifiable                     |   |   |   |   |   |    |   |   |   |    |    |    |   |   |   |   |   |   |    |   |   |   |   |  |    |     |                                | unclassifiable                     |       |
| total                              | 9 | 6 | 8 | 6 | 9 | 10 | 6 | 6 | 8 | 12 | 10 | 12 | 9 | 6 | 7 | 7 | 7 | 9 | 12 | 5 | 8 | 8 |   |  | 13 | 193 | total                          |                                    |       |

Causal agents (large) of fatal accidents in livestock in 1999-2021

| Causal (L) agents                   | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | total | Causal (L) agents                   |
|-------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------------------------------------|
| machine                             | 1    |      |      | 1    | 2    | 7    | 1    |      | 2    | 3    |      | 3    | 3    | 3    | 2    |      | 1    | 1    | 3    | 1    |      |      | 3    | 37    | machine                             |
| crane, conveying machine            | 3    | 2    | 5    | 1    | 3    | 1    | 2    | 1    | 3    | 2    | 4    | 4    | 2    | 1    |      | 2    | 2    | 4    | 3    |      | 2    | 5    | 2    | 54    | crane, conveying machine            |
| other equipment                     |      |      |      |      |      | 1    |      |      |      | 2    | 1    | 1    |      |      |      | 1    |      |      | 2    | 1    | 1    |      | 1    | 11    | other equipment                     |
| temporary buildings, establishments | 1    | 1    | 2    |      | 2    | 1    |      | 2    | 2    |      | 1    | 1    | 1    | 1    | 1    |      |      | 1    | 2    | 3    | 1    | 1    | 1    | 25    | temporary buildings, establishments |
| substance, material                 | 1    |      |      |      | 1    |      |      |      |      |      |      |      |      |      | 1    |      | 1    |      |      |      |      |      |      | 4     | substance, material                 |
| load                                |      |      |      |      |      |      |      |      |      |      | 1    |      |      |      |      |      |      | 1    |      |      |      | 1    | 1    | 4     | load                                |
| environment                         | 3    | 3    | 1    | 4    | 1    |      | 2    | 3    | 1    | 4    | 2    | 3    | 3    | 1    | 2    | 4    | 2    | 2    | 2    |      | 3    | 1    | 5    | 52    | environment                         |
| others                              |      |      |      |      |      |      | 1    |      |      | 1    | 1    |      |      |      | 1    |      | 1    |      |      |      | 1    |      |      | 6     | others                              |
| total                               | 9    | 6    | 8    | 6    | 9    | 10   | 6    | 6    | 8    | 12   | 10   | 12   | 9    | 6    | 7    | 7    | 7    | 9    | 12   | 5    | 8    | 8    | 13   | 193   | total                               |

Causal agents (middle) of fatal accidents in livestock in 1999-2021

| Causal (M) agents            | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | total | Causal (M) agents            |                     |
|------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------------------------------|---------------------|
| engine                       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |                              | engine              |
| power transmission mechanism |      |      |      |      |      |      |      |      | 1    |      |      |      | 1    |      | 1    |      |      |      |      | 1    |      |      | 2    | 6     | power transmission mechanism |                     |
| woodworking machine          |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |                              | woodworking machine |
| construction machine         | 1    |      |      |      | 1    | 3    |      |      | 1    | 2    |      | 1    |      | 2    |      |      |      | 1    | 1    |      |      |      | 1    | 14    | construction machine         |                     |



|                             |   |   |   |   |   |    |   |   |   |    |    |    |   |   |   |   |   |   |    |   |   |   |    |                             |                    |
|-----------------------------|---|---|---|---|---|----|---|---|---|----|----|----|---|---|---|---|---|---|----|---|---|---|----|-----------------------------|--------------------|
| hazards, harmful substances | 1 |   |   |   |   |    |   |   |   |    |    |    |   |   | 1 | 1 |   |   |    |   |   |   | 3  | hazards, harmful substances |                    |
| materials                   |   |   |   | 1 |   |    |   |   |   |    |    |    |   |   |   |   |   |   |    |   |   |   | 1  | materials                   |                    |
| load                        |   |   |   |   |   |    |   |   |   | 1  |    |    |   |   |   | 1 |   |   |    | 1 | 1 |   | 4  | load                        |                    |
| natural environment         | 3 | 3 | 1 | 4 | 1 |    | 2 | 3 | 1 | 4  | 2  | 3  | 3 | 1 | 2 | 4 | 2 | 2 |    | 3 | 1 | 5 | 52 | natural environment         |                    |
| other causal agent          |   |   |   |   |   |    | 1 |   |   | 1  | 1  |    |   |   | 1 |   | 1 |   |    |   |   | 1 |    | 6                           | other causal agent |
| no causal agent             |   |   |   |   |   |    |   |   |   |    |    |    |   |   |   |   |   |   |    |   |   |   |    |                             | no causal agent    |
| unclassifiable              |   |   |   |   |   |    |   |   |   |    |    |    |   |   |   |   |   |   |    |   |   |   |    |                             | unclassifiable     |
| total                       | 9 | 6 | 8 | 6 | 9 | 10 | 6 | 6 | 8 | 12 | 10 | 12 | 9 | 6 | 7 | 7 | 7 | 9 | 12 | 5 | 8 | 8 | 13 | 193                         | total              |

Causal agents (small) of fatal accidents in livestock in 1999-2021

| Causal (S) agents                  | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | total | Causal (S) agents |                                    |
|------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------------------|------------------------------------|
| engine                             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |                   | engine                             |
| power transmission mechanism       |      |      |      |      |      |      |      |      | 1    |      |      |      | 1    |      | 1    |      |      |      |      | 1    |      |      | 2    | 6     | 6                 | power transmission mechanism       |
| circular sawing machine            |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |                   | circular sawing machine            |
| band sawing machine                |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |                   | band sawing machine                |
| wood planer machine                |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |                   | wood planer machine                |
| hollow chisel mortiser, wood borer |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |                   | hollow chisel mortiser, wood borer |



|  |  |  |  |   |   |   |   |  |  |   |   |   |   |  |  |  |  |   |  |  |  |  |    |  |                                    |
|--|--|--|--|---|---|---|---|--|--|---|---|---|---|--|--|--|--|---|--|--|--|--|----|--|------------------------------------|
| forging pressure hammer                    |  |  |  |   |   |   |   |  |  |   |   |   |   |  |  |  |  |   |  |  |  |  |    |  | forging pressure hammer            |
| shearing machine                           |  |  |  |   |   |   |   |  |  |   |   |   |   |  |  |  |  |   |  |  |  |  |    |  | shearing machine                   |
| other metal manufacturing machines         |  |  |  |   |   |   |   |  |  |   |   |   |   |  |  |  |  |   |  |  |  |  |    |  | other metal manufacturing machines |
| centrifugal machine                        |  |  |  |   |   |   |   |  |  |   |   |   |   |  |  |  |  |   |  |  |  |  |    |  | centrifugal machine                |
| mixer, grinder                             |  |  |  | 1 | 1 |   |   |  |  |   | 1 | 1 | 1 |  |  |  |  |   |  |  |  |  | 5  | mixer, grinder                             |                                    |
| roll machine (except printingroll machine) |  |  |  |   |   |   |   |  |  |   |   |   |   |  |  |  |  |   |  |  |  |  |    | roll machine (except printingroll machine) |                                    |
| injection molding machine                  |  |  |  |   |   |   |   |  |  |   |   |   |   |  |  |  |  |   |  |  |  |  |    | injection molding machine                  |                                    |
| food manufacturing machine                 |  |  |  |   |   |   |   |  |  |   |   |   |   |  |  |  |  |   |  |  |  |  |    | food manufacturing machine                 |                                    |
| printing machine                           |  |  |  |   |   |   |   |  |  |   |   |   |   |  |  |  |  |   |  |  |  |  |    | printing machine                           |                                    |
| industrial robot                           |  |  |  |   |   |   |   |  |  |   |   |   |   |  |  |  |  |   |  |  |  |  |    | industrial robot                           |                                    |
| other general power machines               |  |  |  |   | 1 | 3 | 1 |  |  | 1 | 2 | 1 | 1 |  |  |  |  | 2 |  |  |  |  | 12 | other general power machines               |                                    |
| felling machine                            |  |  |  |   |   |   |   |  |  |   |   |   |   |  |  |  |  |   |  |  |  |  |    | felling machine                            |                                    |
| mobile logging machine                     |  |  |  |   |   |   |   |  |  |   |   |   |   |  |  |  |  |   |  |  |  |  |    | mobile logging machine                     |                                    |
| skyline yarding machine                    |  |  |  |   |   |   |   |  |  |   |   |   |   |  |  |  |  |   |  |  |  |  |    | skyline yarding machine                    |                                    |
| other mobile silviculture machine          |  |  |  |   |   |   |   |  |  |   |   |   |   |  |  |  |  |   |  |  |  |  |    | other mobile silviculture machine          |                                    |

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |                |  |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|---|---|---|---|---|---|---|---|----------------|--|
| crane                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |                | crane                                  |
| mobile crane                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |                | mobile crane                           |
| derrick crane                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |                | derrick crane                          |
| elevator, lift                         | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   | 1 | elevator, lift |  |
| cargo lifting appliance                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |                | cargo lifting appliance                |
| gondola                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |                | gondola                                |
| lumberyard equipment, logging cableway |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |                | lumberyard equipment, logging cableway |
| simple skyline yarding equipment       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |                | simple skyline yarding equipment       |
| other powered crane                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |                | other powered crane                    |
| truck                                  | 1 | 2 | 3 | 1 |   |   | 1 |   |   | 1 | 1 | 2 |   | 1 |  | 1 | 1 | 2 |   |   | 1 | 2 | 1 | 21             | truck                                  |
| forklift                               |   |   |   |   | 2 |   |   |   |   |   | 2 | 1 |   |   |  | 1 | 1 | 1 | 2 |   |   | 2 | 1 | 13             | forklift                               |
| railway equipment                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |                | railway equipment                      |
| conveyor                               |   |   | 1 |   |   |   | 1 |   | 2 |   | 1 |   |   |   |  |   |   | 1 |   | 1 | 1 |   |   | 8              | conveyor                               |
| loader                                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |                | loader                                 |
| straddle carrier                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |                | straddle carrier                       |
| rough terrain hauler                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |                | rough terrain hauler                   |
| other powered conveying machines       | 1 |   | 1 |   |   | 1 |   | 1 |   |   |   |   |   |   |  |   | 1 |   |   |   |   |   |   | 5              | other powered conveying machines       |
| cars, bus, motorcycle                  |   |   |   |   | 1 |   |   |   | 1 | 1 |   | 1 | 2 |   |  |   |   |   |   |   |   |   |   | 6              | cars, bus, motorcycle                  |

|                               |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |   |                 |                            |                               |
|-------------------------------|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|--|---|-----------------|----------------------------|-------------------------------|
| railway vehicle               |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |   | railway vehicle |                            |                               |
| other vehicles                |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |   |                 | other vehicles             |                               |
| boiler                        |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |   |                 | boiler                     |                               |
| pressure vessel               |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |   |                 | pressure vessel            |                               |
| other pressure vessels        |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |   |                 | other pressure vessels     |                               |
| chemical facilities           |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |   |                 | chemical facilities        |                               |
| gas welding equipment         |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |   |                 | gas welding equipment      |                               |
| arc welding equipment         |  |  |  |  |  |  |  |  |  |  | 1 |  |  |  |  |  |  |  |  |  |  |  |  | 1 |                 | arc welding equipment      |                               |
| other welding equipment       |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |   |                 | other welding equipment    |                               |
| kiln, caldron                 |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |   |                 | kiln, caldron              |                               |
| industrial dryer              |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |   |                 | industrial dryer           |                               |
| other kiln, caldron           |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |   |                 | other kiln, caldron        |                               |
| transmission                  |  |  |  |  |  |  |  |  |  |  | 1 |  |  |  |  |  |  |  |  |  |  |  |  | 1 |                 | transmission               |                               |
| electric power facilities     |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |   |                 | electric power facilities  |                               |
| other electrical equipment    |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 1               | other electrical equipment |                               |
| human power cranes            |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |   | 1               | 1                          | human power cranes            |
| human power hauling equipment |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |   |                 |                            | human power hauling equipment |





|                                   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                                   |                                   |
|-----------------------------------|---|---|---|---|---|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------------------------|-----------------------------------|
|                                   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                                   | substance                         |
| inflammable gas                   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                                   | inflammable gas                   |
| harmful substance                 |   |   |   |   |   |  |   |   |   |   |   |   | 1 | 1 |   |   |   |   |   |   |   |   | 2 |                                   | harmful substance                 |
| radiation                         |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                                   | radiation                         |
| other hazards, harmful substances |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                                   | other hazards, harmful substances |
| metal material                    |   |   |   | 1 |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |                                   | metal material                    |
| lumber, bamboo                    |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                                   | lumber, bamboo                    |
| stone, sand, substance            |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                                   | stone, sand, substance            |
| other materials                   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                                   | other materials                   |
| load                              |   |   |   |   |   |  |   |   |   | 1 |   |   |   |   |   | 1 |   |   |   | 1 | 1 | 4 |   | load                              |                                   |
| machine/equipment as load         |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                                   | machine/equipment as load         |
| natural ground, rock              |   |   |   |   |   |  |   |   |   | 1 |   | 1 |   |   |   |   |   |   |   | 1 |   | 1 | 4 | natural ground, rock              |                                   |
| standing tree                     |   |   |   |   |   |  |   |   |   | 1 |   |   |   |   | 1 |   |   |   |   |   |   | 1 | 3 | standing tree                     |                                   |
| water                             |   |   |   |   |   |  |   |   |   |   |   | 1 |   |   |   |   |   |   |   | 1 |   |   | 2 | water                             |                                   |
| abnormal environment              |   |   |   |   |   |  |   |   |   | 1 |   |   | 1 |   |   | 1 |   |   |   |   |   |   | 3 | abnormal environment              |                                   |
| high/cold temperature environment |   |   |   |   |   |  | 1 |   |   | 1 |   | 1 |   |   | 1 | 1 |   |   |   |   |   |   | 5 | high/cold temperature environment |                                   |
| other environments                | 3 | 3 | 1 | 4 | 1 |  | 1 | 3 | 1 | 1 | 1 | 2 | 1 |   | 1 | 3 | 1 | 1 | 2 |   | 1 | 1 | 3 | 35                                | other environments                |
| other causal agent                |   |   |   |   |   |  | 1 |   |   | 1 | 1 |   |   |   | 1 | 1 |   |   |   | 1 |   |   | 6 | other causal agent                |                                   |

|                 |   |   |   |   |   |    |   |   |   |    |    |    |   |   |   |   |   |   |    |   |   |   |    |     |       |  |                 |
|-----------------|---|---|---|---|---|----|---|---|---|----|----|----|---|---|---|---|---|---|----|---|---|---|----|-----|-------|--|-----------------|
| no causal agent |   |   |   |   |   |    |   |   |   |    |    |    |   |   |   |   |   |   |    |   |   |   |    |     |       |  | no causal agent |
| unclassifiable  |   |   |   |   |   |    |   |   |   |    |    |    |   |   |   |   |   |   |    |   |   |   |    |     |       |  | unclassifiable  |
| total           | 9 | 6 | 8 | 6 | 9 | 10 | 6 | 6 | 8 | 12 | 10 | 12 | 9 | 6 | 7 | 7 | 7 | 9 | 12 | 5 | 8 | 8 | 13 | 193 | total |  |                 |

#### Workers age of fatal accidents in livestock in 1999-2021

| Age                  | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | total | Age                  |
|----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|----------------------|
| 19 years old or less | 1    |      |      |      |      |      |      |      |      |      | 1    |      |      |      |      |      |      |      |      |      |      | 1    |      | 3     | 19 years old or less |
| 20-29                | 2    |      | 1    | 1    |      | 1    | 1    |      |      | 2    | 1    | 2    |      |      | 1    |      | 2    | 1    | 2    | 1    |      | 1    |      | 19    | 20-29                |
| 30-39                | 1    |      | 1    |      | 2    |      | 3    |      | 1    | 1    |      | 2    |      |      | 2    | 2    | 2    | 1    | 1    |      | 2    | 1    | 1    | 23    | 30-39                |
| 40-49                | 1    | 3    | 2    | 3    | 1    |      |      | 1    | 1    | 1    |      | 1    | 4    | 1    | 1    | 1    | 1    | 3    | 1    |      |      | 1    | 2    | 29    | 40-49                |
| 50-59                | 2    | 1    | 1    | 1    | 2    | 5    | 1    | 3    | 5    | 2    | 2    | 2    | 2    | 1    |      | 2    | 1    | 1    | 1    | 1    | 1    | 1    | 4    | 42    | 50-59                |
| 60 years old or more | 2    | 2    | 3    | 1    | 4    | 4    | 1    | 2    | 1    | 6    | 6    | 5    | 3    | 4    | 3    | 2    | 1    | 3    | 7    | 3    | 5    | 3    | 6    | 77    | 60 years old or more |
| total                | 9    | 6    | 8    | 6    | 9    | 10   | 6    | 6    | 8    | 12   | 10   | 12   | 9    | 6    | 7    | 7    | 7    | 9    | 12   | 5    | 8    | 8    | 13   | 193   | total                |

#### Workers' number of workplace of fatal accidents in livestock in 1999-2021

| Workers scale       | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | total | Workers scale     |                     |
|---------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------------------|---------------------|
| 9 workers or less   | 4    | 4    | 5    | 1    | 5    | 3    | 3    | 2    | 4    | 6    | 6    | 4    | 5    | 2    | 3    | 4    | 3    | 5    | 9    | 1    | 2    | 4    | 6    | 91    | 9 workers or less |                     |
| 10-29               | 3    | 2    | 2    | 4    | 2    | 5    | 2    | 3    | 2    | 5    | 4    | 4    | 2    | 3    | 1    | 2    | 3    | 2    | 3    | 2    | 5    | 2    | 5    | 68    | 10-29             |                     |
| 30-49               |      |      | 1    | 1    | 2    | 2    | 1    | 1    |      | 1    |      | 3    | 2    | 1    | 3    |      | 1    | 2    |      | 1    | 1    | 2    | 2    | 27    | 30-49             |                     |
| 50-99               | 1    |      |      |      |      |      |      |      | 2    |      |      | 1    |      |      |      | 1    |      |      |      | 1    |      |      |      | 6     | 50-99             |                     |
| 100-299             | 1    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1     | 100-299           |                     |
| 300 workers or more |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |                   | 300 workers or more |
| total               | 9    | 6    | 8    | 6    | 9    | 10   | 6    | 6    | 8    | 12   | 10   | 12   | 9    | 6    | 7    | 7    | 7    | 9    | 12   | 5    | 8    | 8    | 13   | 193   | total             |                     |

Month of fatal accidents in livestock in 1999-2021

| Month     | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | total | Month     |
|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-----------|
| January   |      |      |      | 1    | 2    | 1    |      | 1    | 2    | 1    | 1    | 2    |      |      | 1    |      | 1    |      | 2    | 1    | 1    |      |      | 17    | January   |
| February  | 2    | 1    | 1    | 1    | 1    |      |      |      |      | 2    | 1    |      | 1    |      | 1    |      |      |      | 1    |      | 1    |      | 1    | 14    | February  |
| March     |      | 1    |      | 3    |      | 1    | 2    | 1    | 1    |      |      | 1    | 2    |      | 1    | 1    |      | 1    | 2    |      | 1    | 1    | 2    | 21    | March     |
| April     | 1    | 1    | 3    |      | 1    | 2    |      |      |      |      | 1    | 1    | 1    |      |      |      |      | 1    | 1    |      | 2    |      |      | 15    | April     |
| May       |      | 1    |      |      |      | 1    |      |      | 1    |      | 1    | 2    |      | 2    | 1    | 1    | 2    | 1    | 1    |      |      | 1    | 3    | 18    | May       |
| June      | 1    |      |      |      |      |      | 1    |      | 1    | 1    | 2    | 1    |      | 1    |      |      |      | 1    |      |      | 1    | 1    | 1    | 12    | June      |
| July      | 2    |      |      |      | 1    | 1    | 1    |      |      | 2    | 2    | 2    |      |      | 1    | 1    | 2    | 1    | 1    |      |      | 1    |      | 18    | July      |
| August    | 1    |      | 2    | 1    |      |      |      | 2    |      | 3    | 1    |      | 1    |      | 1    | 2    | 1    | 1    | 1    | 1    | 1    |      |      | 19    | August    |
| September |      | 2    |      |      |      | 2    | 1    |      | 1    | 1    |      |      |      |      |      | 1    |      | 2    | 1    | 1    |      |      | 1    | 13    | September |
| October   | 1    |      |      |      |      |      |      |      | 1    | 1    | 1    | 1    | 1    | 3    |      | 1    |      |      |      |      | 1    |      |      | 11    | October   |
| November  | 1    |      | 2    |      | 4    | 2    |      | 1    |      | 1    |      |      | 2    |      |      |      | 1    | 1    |      |      |      | 1    | 1    | 17    | November  |
| December  |      |      |      |      |      |      | 1    | 1    | 1    |      |      | 2    | 1    |      | 1    |      |      |      | 2    | 2    |      | 3    | 4    | 18    | December  |
| total     | 9    | 6    | 8    | 6    | 9    | 10   | 6    | 6    | 8    | 12   | 10   | 12   | 9    | 6    | 7    | 7    | 7    | 9    | 12   | 5    | 8    | 8    | 13   | 193   | total     |

Prefecture of fatal accidents in livestock in 1999-2021

| Prefecture | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | total | Prefecture |
|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------------|
| Hokkaido   | 5    | 1    |      | 1    | 2    | 2    | 2    |      | 3    | 2    | 2    | 1    |      | 2    |      | 1    |      | 3    | 3    | 1    | 3    | 2    | 1    | 37    | Hokkaido   |
| Aomori     |      |      |      |      |      |      |      | 1    | 1    |      |      |      |      |      | 2    |      | 1    |      | 1    |      |      | 1    |      | 7     | Aomori     |
| Iwate      |      |      |      | 1    | 1    |      |      |      |      | 1    |      | 1    | 3    |      |      |      |      |      | 1    |      |      |      |      | 8     | Iwate      |
| Miyagi     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1    | 1    |      |      |      |      |      |      | 2     | Miyagi     |

|           |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |   |       |           |           |          |
|-----------|---|---|---|---|---|---|---|---|--|---|---|---|---|---|---|---|---|---|---|---|---|-------|-----------|-----------|----------|
| Akita     |   |   | 1 |   |   |   | 1 |   |  | 1 |   |   |   |   |   |   |   |   |   |   | 3 | Akita |           |           |          |
| Yamagata  | 1 |   | 1 |   |   |   |   |   |  | 1 |   |   |   |   |   |   |   |   |   |   |   | 3     | Yamagata  |           |          |
| Fukushima |   |   |   |   |   |   | 1 | 1 |  |   |   |   |   |   |   |   |   |   |   | 1 |   | 3     | Fukushima |           |          |
| Ibaraki   |   | 1 |   | 4 |   |   | 1 | 1 |  | 1 | 1 | 1 |   | 1 |   | 2 | 1 |   | 2 |   | 1 | 1     | 18        | Ibaraki   |          |
| Tochigi   |   | 1 |   |   |   |   |   |   |  | 1 |   |   |   |   |   |   |   |   |   |   |   |       | 2         | Tochigi   |          |
| Gunma     |   |   |   |   |   | 2 |   |   |  |   |   | 2 | 1 |   | 1 |   |   |   |   |   | 1 |       | 7         | Gunma     |          |
| Saitama   |   |   |   |   |   |   |   |   |  |   | 1 |   |   |   |   |   |   |   |   | 1 | 1 |       | 3         | Saitama   |          |
| Chiba     |   |   | 1 |   |   |   |   |   |  |   |   | 1 |   | 1 | 1 | 1 |   |   |   | 1 |   | 1     | 7         | Chiba     |          |
| Tokyo     |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |   |       |           | Tokyo     |          |
| Kanagawa  |   |   |   |   |   |   | 1 |   |  |   |   |   |   |   |   |   |   |   |   |   |   |       | 1         | Kanagawa  |          |
| Niigata   |   |   |   |   |   | 1 |   |   |  |   |   |   |   |   |   |   |   |   |   | 1 |   |       | 2         | Niigata   |          |
| Toyama    |   |   |   |   |   | 1 |   |   |  |   |   | 1 |   |   |   |   |   |   |   |   |   |       | 2         | Toyama    |          |
| Ishikawa  |   | 1 |   |   |   |   |   |   |  | 1 |   |   |   |   |   |   |   |   |   |   |   |       | 2         | Ishikawa  |          |
| Fukui     |   |   |   |   |   |   |   |   |  | 1 |   |   |   |   |   |   |   |   |   |   |   |       | 1         | Fukui     |          |
| Yamanashi |   |   |   |   |   |   |   |   |  | 1 |   |   |   |   |   |   |   |   |   |   |   |       | 1         | Yamanashi |          |
| Nagano    |   |   |   |   |   |   |   |   |  | 1 |   |   | 1 |   |   |   |   |   |   |   |   |       | 2         | Nagano    |          |
| Gifu      |   |   |   |   |   |   |   |   |  |   |   |   | 1 |   |   |   |   |   |   | 1 |   |       | 2         | 4         | Gifu     |
| Shizuoka  |   |   |   |   |   |   |   |   |  |   |   |   |   | 1 |   |   |   |   |   | 1 |   |       | 1         | 3         | Shizuoka |
| Aichi     |   |   | 1 |   |   |   |   |   |  |   |   |   | 1 |   |   |   |   |   |   |   |   | 1     | 3         | Aichi     |          |
| Mie       |   | 1 |   |   | 1 |   |   |   |  |   |   |   | 1 |   |   |   |   |   |   |   |   |       | 3         | Mie       |          |
| Shiga     | 1 |   |   |   |   |   | 1 |   |  |   |   |   |   | 1 |   | 1 |   | 1 |   |   |   |       | 5         | Shiga     |          |
| Kyoto     |   |   |   |   |   | 1 |   |   |  | 1 |   |   |   |   |   |   |   | 1 |   |   |   |       | 3         | Kyoto     |          |
| Osaka     |   |   |   |   |   |   |   |   |  |   | 1 | 1 |   |   |   |   |   |   |   |   |   |       | 2         | Osaka     |          |
| Hyogo     |   |   |   |   | 1 |   |   |   |  |   | 1 |   |   |   |   |   |   |   |   |   | 1 | 1     | 4         | Hyogo     |          |

|           |   |   |   |   |   |    |   |   |   |    |    |    |   |   |   |   |   |   |    |   |   |   |    |     |           |           |
|-----------|---|---|---|---|---|----|---|---|---|----|----|----|---|---|---|---|---|---|----|---|---|---|----|-----|-----------|-----------|
| Nara      |   |   |   |   |   |    |   |   |   |    |    |    |   |   |   |   |   |   |    |   |   |   |    |     | Nara      |           |
| Wakayama  |   |   |   |   |   |    |   |   |   |    |    |    |   |   |   |   | 1 |   |    |   |   |   |    | 1   | Wakayama  |           |
| Tottori   |   |   |   |   |   |    |   |   |   |    |    |    |   |   |   |   |   |   |    | 1 |   |   |    | 1   | Tottori   |           |
| Shimane   |   |   |   |   |   |    |   |   |   | 1  |    |    |   |   |   | 1 | 1 |   |    |   |   |   | 1  | 4   | Shimane   |           |
| Okayama   | 1 |   |   |   | 1 | 1  |   |   |   |    |    |    | 1 |   |   |   |   |   |    |   |   |   |    | 4   | Okayama   |           |
| Hiroshima |   |   |   |   |   | 1  |   |   |   | 1  |    |    |   |   |   |   |   |   |    |   |   |   |    | 2   | Hiroshima |           |
| Yamaguchi |   |   |   |   |   |    |   |   |   |    | 1  |    |   |   |   |   |   |   |    |   |   |   |    | 1   | Yamaguchi |           |
| Tokushima |   |   | 1 |   |   |    |   |   |   |    |    |    |   |   |   |   |   |   |    |   |   |   | 1  | 1   | 3         | Tokushima |
| Kagawa    |   |   |   |   |   |    | 1 |   |   |    |    |    |   |   |   |   | 1 |   |    |   |   |   |    | 2   | Kagawa    |           |
| Ehime     |   |   |   |   |   |    |   |   |   |    |    |    |   |   |   |   |   |   |    |   |   |   |    | 1   | Ehime     |           |
| Kochi     |   |   |   |   |   |    |   |   |   |    |    |    |   |   |   |   |   |   |    |   |   |   |    | 1   | 1         | Kochi     |
| Fukuoka   |   |   |   |   |   |    |   |   |   |    |    |    |   |   |   | 1 |   |   | 2  |   |   |   |    |     | 3         | Fukuoka   |
| Saga      |   |   | 1 |   |   |    |   |   |   |    |    |    |   |   |   |   |   |   |    |   |   |   |    |     | 2         | Saga      |
| Nagasaki  |   |   |   |   |   |    |   |   |   |    |    |    |   |   |   |   |   |   |    |   |   |   |    | 1   | 1         | Nagasaki  |
| Kumamoto  |   | 1 |   |   | 1 |    |   | 1 |   | 2  | 1  | 1  |   |   |   | 1 |   |   |    |   |   |   | 1  | 1   | 10        | Kumamoto  |
| Oita      |   |   | 1 |   | 1 |    |   | 1 | 1 | 1  | 1  |    |   |   |   |   |   |   |    |   |   |   |    |     | 6         | Oita      |
| Miyazaki  |   |   | 1 |   |   |    |   |   |   |    |    |    |   |   |   | 1 |   |   |    |   |   |   | 1  | 1   | 5         | Miyazaki  |
| Kagoshima | 1 |   |   |   | 1 | 1  |   |   |   |    |    |    |   |   |   |   |   |   |    |   |   |   | 1  | 1   | 7         | Kagoshima |
| Okinawa   |   |   |   |   |   |    |   |   |   |    |    |    |   |   |   |   | 1 |   |    |   |   |   |    |     | 1         | Okinawa   |
| total     | 9 | 6 | 8 | 6 | 9 | 10 | 6 | 6 | 8 | 12 | 10 | 12 | 9 | 6 | 7 | 7 | 7 | 9 | 12 | 5 | 8 | 8 | 13 | 193 | total     |           |

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

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