

Industrial accidents in plywood in Japan in 1999-2020

plywood industry Code No.010402

Type of accidents in plywood in 1999-2020

| 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 |
|------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| fall from height                   | 23   | 26   | 20   | 15   | 15   | 10   | 16   | 18   | 21   | 15   | 22   | 9    | 5    | 17   | 17   | 16   | 15   | 10   | 14   | 16   | 10   | 18   |
| falling to same level              | 18   | 29   | 19   | 22   | 13   | 15   | 24   | 25   | 17   | 13   | 12   | 13   | 15   | 16   | 10   | 18   | 17   | 20   | 12   | 23   | 17   | 9    |
| crash                              | 13   | 7    | 10   | 9    | 7    | 11   | 6    | 12   | 11   | 7    | 5    | 4    | 4    | 6    | 10   | 5    | 3    | 3    | 6    | 5    | 7    | 10   |
| struck by flying or falling object | 28   | 27   | 29   | 26   | 20   | 12   | 20   | 26   | 15   | 10   | 9    | 11   | 8    | 15   | 15   | 8    | 6    | 13   | 10   | 6    | 8    | 10   |
| collapse                           | 13   | 7    | 7    | 5    | 7    | 6    | 8    | 8    | 8    | 9    | 7    | 5    | 3    | 2    | 3    | 3    | 4    | 1    | 2    | 1    | 3    | 2    |
| crashed by                         | 19   | 13   | 12   | 13   | 13   | 16   | 7    | 16   | 14   | 8    | 6    | 8    | 5    | 9    | 9    | 5    | 7    | 8    | 7    | 11   | 8    | 7    |
| caught in/between                  | 118  | 121  | 113  | 94   | 97   | 96   | 100  | 83   | 88   | 82   | 54   | 65   | 73   | 71   | 54   | 57   | 48   | 65   | 49   | 42   | 55   | 48   |
| cut                                | 55   | 48   | 43   | 49   | 41   | 43   | 34   | 36   | 40   | 27   | 25   | 21   | 30   | 24   | 37   | 18   | 23   | 28   | 25   | 30   | 28   | 18   |
| injury to the sole of the foot     | 1    | 0    | 0    | -    | 1    | -    | 2    | 1    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 1    | 0    |
| drown                              | 0    | 1    | 0    | -    | 0    | -    | 0    | 0    | 0    | 0    | 0    | 0    | 12   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| contact to high/low-temperature    | 3    | 5    | 4    | 4    | 2    | -    | 4    | 3    | 3    | 3    | 4    | 6    | 1    | 3    | 4    | 3    | 1    | 5    | 4    | 2    | 0    | 3    |
| contact to harmful substance       | 0    | 0    | 0    | -    | 0    | 1    | 1    | 1    | 1    | 0    | 1    | 0    | 1    | 1    | 3    | 0    | 0    | 1    | 0    | 0    | 0    | 1    |
| electric shock                     | 2    | 0    | 0    | 2    | 0    | -    | 0    | 1    | 0    | 0    | 0    | 1    | 0    | 0    | 0    | 0    | 0    | 1    | 0    | 0    | 1    | 0    |
| explosion                          | 2    | 1    | 0    | -    | 0    | 4    | 0    | 0    | 1    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 1    | 0    | 0    | 0    |
| burst                              | 0    | 0    | 0    | -    | 0    | 1    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| fire                               | 0    | 0    | 0    | -    | 0    | -    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| traffic accident (public road)     | 0    | 1    | 2    | -    | 4    | 3    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 1    | 2    | 0    | 2    | 0    | 1    | 0    | 0    | 0    |
| traffic accident (others)          | 0    | 0    | 0    | -    | 0    | -    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| reaction to motion/improper motion | 16   | 19   | 8    | 12   | 12   | 12   | 9    | 8    | 17   | 17   | 4    | 6    | 9    | 9    | 15   | 12   | 9    | 7    | 9    | 13   | 10   | 10   |
| others                             | 1    | 0    | 1    | 2    | 0    | -    | 0    | 2    | 0    | 1    | 0    | 0    | 1    | 0    | 1    | 1    | 0    | 1    | 0    | 0    | 0    | 1    |

|                |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| unclassifiable | 0   | 0   | 0   | -   | 0   | -   | 0   | 2   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   |
| total          | 312 | 305 | 268 | 253 | 232 | 230 | 231 | 242 | 236 | 192 | 150 | 149 | 167 | 174 | 180 | 147 | 135 | 163 | 140 | 149 | 148 | 137 |

Causal agents (middle) of industrial accidents in plywood in 1999-2020

| 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 |
|------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| engine                       | 0    | 0    | 0    | -    | 0    | -    | 0    | 0    | 0    | 0    | 2    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| power transmission mechanism | 7    | 6    | 5    | 3    | 4    | 5    | 7    | 8    | 4    | 2    | 4    | 6    | 3    | 5    | 6    | 2    | 5    | 6    | 3    | 1    | 3    | 2    |
| woodworking machine          | 108  | 108  | 84   | 99   | 92   | 76   | 75   | 64   | 67   | 59   | 45   | 41   | 60   | 57   | 50   | 46   | 41   | 61   | 42   | 56   | 50   | 37   |
| construction machine         | 1    | 0    | 0    | -    | 0    | 1    | 0    | 0    | 0    | 0    | 0    | 0    | 1    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| metal manufacturing machine  | 3    | 0    | 1    | 5    | 3    | 2    | 2    | 0    | 1    | 0    | 1    | 0    | 0    | 1    | 1    | 0    | 4    | 1    | 0    | 1    | 3    | 2    |
| general machine              | 32   | 22   | 31   | 28   | 25   | 31   | 30   | 28   | 21   | 21   | 14   | 19   | 14   | 16   | 13   | 16   | 13   | 14   | 13   | 17   | 12   | 12   |
| mobile silviculture machine  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 0    | 0    | 0    | 0    | 0    | 0    |
| crane                        | 3    | 5    | 5    | 7    | 0    | 3    | 2    | 4    | 4    | 1    | 2    | 0    | 1    | 2    | 1    | 0    | 2    | 0    | 2    | 2    | 1    | 0    |
| conveying machine            | 36   | 47   | 40   | 27   | 33   | 32   | 23   | 36   | 44   | 30   | 29   | 26   | 20   | 24   | 24   | 14   | 21   | 23   | 26   | 10   | 20   | 30   |
| vehicle                      | 0    | 1    | 1    | -    | 3    | 2    | 0    | 0    | 0    | 0    | 0    | 2    | 0    | 0    | 2    | 0    | 1    | 0    | 1    | 1    | 0    | 0    |
| pressure vessel              | 1    | 1    | 2    | -    | 0    | 2    | 0    | 1    | 0    | 0    | 0    | 1    | 0    | 0    | 0    | 0    | 1    | 1    | 0    | 0    | 0    | 0    |
| chemical facilities          | 0    | 0    | 0    | -    | 0    | -    | 0    | 0    | 0    | 0    | 1    | 1    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| welding equipment            | 0    | 0    | 0    | -    | 0    | -    | 0    | 0    | 0    | 0    | 1    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 2    | 0    | 0    | 0    |
| kiln, caldron                | 2    | 1    | 0    | 1    | 2    | 1    | 0    | 0    | 1    | 1    | 0    | 0    | 0    | 0    | 2    | 2    | 0    | 0    | 1    | 2    | 0    | 0    |
| electric equipment           | 0    | 1    | 0    | 1    | 0    | 1    | 0    | 1    | 0    | 1    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 1    | 0    |
| human power machine, tools   | 13   | 9    | 9    | 1    | 5    | 8    | 10   | 10   | 13   | 8    | 5    | 3    | 2    | 3    | 9    | 4    | 1    | 3    | 3    | 2    | 4    | 3    |
| tools                        | 19   | 10   | 7    | 8    | 6    | 5    | 11   | 4    | 6    | 6    | 6    | 3    | 7    | 6    | 10   | 7    | 5    | 4    | 5    | 4    | 4    | 7    |
| other equipments, facilities | 5    | 2    | 6    | 2    | 2    | 6    | 4    | 5    | 3    | 3    | 2    | 1    | 3    | 2    | 4    | 3    | 4    | 2    | 2    | 4    | 5    | 0    |
| temporary buildings,         | 20   | 31   | 22   | 23   | 20   | 14   | 20   | 30   | 25   | 17   | 15   | 10   | 14   | 21   | 19   | 24   | 20   | 18   | 12   | 26   | 16   | 14   |







|   |  |  |    |   |    |    |    |   |   |   |   |   |    |    |    |   |   |    |   |   |   |  |
|---|--|--|----|---|----|----|----|---|---|---|---|---|----|----|----|---|---|----|---|---|---|--|
| equipment                                     |  |  |    |   |    |    |    |   |   |   |   |   |    |    |    |   |   |    |   |   |   |  |
| arc welding equipment                         |  |  | 0  | 0 | 0  | 0  | 0  | 0 | 0 | 0 | 0 | 0 | 0  | 0  | 0  | 0 | 0 | 2  | 0 | 0 | 0 |  |
| other welding equipment                       |  |  | 0  | 0 | 0  | 0  | 0  | 0 | 0 | 0 | 0 | 0 | 0  | 0  | 0  | 0 | 0 | 0  | 0 | 0 | 0 |  |
| kiln, caldron                                 |  |  | 0  | 1 | 0  | 0  | 1  | 0 | 0 | 0 | 0 | 0 | 0  | 0  | 0  | 0 | 0 | 1  | 0 | 0 | 0 |  |
| industrial dryer                              |  |  | 0  | 1 | 0  | 0  | 0  | 1 | 0 | 0 | 0 | 0 | 2  | 1  | 0  | 0 | 1 | 0  | 0 | 0 | 0 |  |
| other kiln, caldron                           |  |  | 0  | 0 | 0  | 0  | 0  | 0 | 0 | 0 | 0 | 0 | 0  | 1  | 0  | 0 | 0 | 1  | 0 | 0 | 0 |  |
| transmission                                  |  |  | 0  | 0 | 0  | 0  | 0  | 1 | 0 | 0 | 0 | 0 | 0  | 0  | 0  | 0 | 0 | 0  | 0 | 0 | 0 |  |
| electric power facilities                     |  |  | 0  | 0 | 0  | 1  | 0  | 0 | 0 | 0 | 0 | 0 | 0  | 0  | 0  | 0 | 0 | 0  | 0 | 0 | 0 |  |
| other electrical equipment                    |  |  | 0  | 0 | 0  | 0  | 0  | 0 | 0 | 0 | 0 | 0 | 0  | 0  | 0  | 0 | 0 | 0  | 1 | 0 | 0 |  |
| human power cranes                            |  |  | 0  | 0 | 0  | 1  | 0  | 1 | 0 | 0 | 0 | 0 | 0  | 0  | 0  | 0 | 0 | 0  | 0 | 0 | 1 |  |
| human power hauling equipment                 |  |  | 4  | 1 | 6  | 6  | 3  | 1 | 1 | 1 | 1 | 2 | 2  | 1  | 0  | 2 | 1 | 0  | 1 | 1 | 1 |  |
| human power machine                           |  |  | 1  | 0 | 1  | 0  | 0  | 0 | 0 | 0 | 0 | 0 | 0  | 1  | 0  | 0 | 0 | 0  | 0 | 0 | 0 |  |
| hand tool                                     |  |  | 4  | 4 | 3  | 3  | 10 | 6 | 4 | 2 | 1 | 1 | 7  | 2  | 1  | 1 | 2 | 2  | 3 | 1 | 1 |  |
| ladder  |  |  | 3  | 4 | 4  | 4  | 2  | 4 | 5 | 2 | 3 | 3 | 10 | 4  | 4  | 3 | 2 | 2  | 1 | 3 | 3 |  |
| slinging tool                                 |  |  | 1  | 0 | 1  | 0  | 1  | 0 | 0 | 0 | 0 | 1 | 0  | 0  | 0  | 0 | 0 | 1  | 0 | 0 | 0 |  |
| other tools                                   |  |  | 3  | 2 | 6  | 0  | 3  | 2 | 1 | 1 | 4 | 2 | 0  | 3  | 1  | 1 | 3 | 1  | 3 | 4 | 4 |  |
| other equipment, facilities                   |  |  | 6  | 2 | 4  | 5  | 3  | 3 | 2 | 1 | 3 | 2 | 4  | 3  | 4  | 2 | 2 | 4  | 5 | 0 | 0 |  |
| scaffolding                                   |  |  | 0  | 2 | 0  | 0  | 1  | 0 | 0 | 0 | 0 | 0 | 1  | 0  | 1  | 0 | 0 | 2  | 2 | 0 | 0 |  |
| timbering                                     |  |  | 0  | 0 | 0  | 0  | 1  | 0 | 0 | 0 | 0 | 0 | 0  | 0  | 0  | 0 | 0 | 0  | 0 | 0 | 0 |  |
| stairs, landing stage                         |  |  | 3  | 3 | 3  | 2  | 0  | 2 | 2 | 1 | 2 | 1 | 3  | 2  | 1  | 4 | 0 | 2  | 1 | 2 | 2 |  |
| opening                                       |  |  | 0  | 2 | 0  | 1  | 1  | 1 | 0 | 0 | 1 | 0 | 0  | 0  | 0  | 0 | 0 | 0  | 1 | 0 | 0 |  |
| roof, beam, haze, crossbeam, principal rafter |  |  | 0  | 0 | 2  | 1  | 0  | 0 | 0 | 0 | 0 | 3 | 1  | 0  | 0  | 0 | 1 | 0  | 2 | 0 | 0 |  |
| working platform, boot board                  |  |  | 3  | 7 | 0  | 7  | 6  | 1 | 5 | 5 | 3 | 5 | 3  | 5  | 4  | 3 | 2 | 3  | 3 | 3 | 3 |  |
| passage                                       |  |  | 10 | 2 | 13 | 10 | 10 | 8 | 7 | 3 | 6 | 8 | 5  | 10 | 12 | 9 | 5 | 17 | 5 | 8 | 8 |  |
| building, establishment                       |  |  | 5  | 2 | 2  | 6  | 5  | 2 | 0 | 1 | 1 | 2 | 2  | 4  | 2  | 1 | 2 | 2  | 1 | 0 | 0 |  |



|                      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 19 years old or less | 11  | 12  | 6   | 7   | 9   | 4   | 10  | 6   | 4   | 6   | 6   | 3   | 1   | 6   | 4   | 4   | 7   | 1   | 8   | 2   | 0   | 2   |
| 20-29                | 64  | 60  | 60  | 49  | 45  | 47  | 40  | 45  | 40  | 29  | 25  | 29  | 31  | 32  | 40  | 18  | 17  | 28  | 30  | 27  | 28  | 22  |
| 30-39                | 48  | 52  | 40  | 46  | 45  | 51  | 44  | 47  | 55  | 36  | 33  | 31  | 32  | 39  | 34  | 25  | 30  | 38  | 25  | 29  | 26  | 29  |
| 40-49                | 75  | 57  | 50  | 45  | 35  | 35  | 43  | 54  | 39  | 39  | 25  | 22  | 37  | 33  | 44  | 36  | 27  | 32  | 24  | 38  | 32  | 28  |
| 50-59                | 87  | 94  | 89  | 75  | 69  | 68  | 63  | 64  | 70  | 50  | 34  | 37  | 32  | 38  | 35  | 40  | 35  | 37  | 31  | 29  | 35  | 30  |
| 60 years old or more | 27  | 30  | 23  | 31  | 29  | 25  | 31  | 26  | 28  | 32  | 27  | 27  | 34  | 26  | 23  | 24  | 19  | 27  | 22  | 24  | 27  | 26  |
| total                | 312 | 305 | 268 | 253 | 232 | 230 | 231 | 242 | 236 | 192 | 150 | 149 | 167 | 174 | 180 | 147 | 135 | 163 | 140 | 149 | 148 | 137 |

#### Workers' number of workplace of industrial accidents in plywood in 1999-2020

| Workers scale       | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 |
|---------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 9 workers or less   | 50   | 47   | 57   | 53   | 40   | 36   | 44   | 50   | 30   | 40   | 23   | 17   | 23   | 27   | 24   | 22   | 14   | 16   | 18   | 13   | 17   | 11   |
| 10-29               | 91   | 86   | 82   | 67   | 73   | 75   | 64   | 60   | 53   | 37   | 42   | 39   | 37   | 47   | 44   | 26   | 35   | 42   | 33   | 35   | 32   | 29   |
| 30-49               | 40   | 45   | 26   | 44   | 35   | 31   | 39   | 32   | 39   | 39   | 16   | 30   | 25   | 28   | 38   | 36   | 24   | 33   | 20   | 30   | 36   | 32   |
| 50-99               | 39   | 57   | 47   | 31   | 22   | 36   | 29   | 33   | 38   | 24   | 18   | 20   | 35   | 32   | 23   | 18   | 22   | 28   | 29   | 30   | 28   | 20   |
| 100-299             | 69   | 58   | 49   | 55   | 52   | 48   | 46   | 66   | 69   | 51   | 45   | 41   | 44   | 39   | 50   | 45   | 40   | 39   | 37   | 40   | 34   | 43   |
| 300 workers or more | 23   | 12   | 7    | 3    | 10   | 4    | 9    | 1    | 7    | 1    | 6    | 2    | 3    | 1    | 1    | 0    | 0    | 5    | 3    | 1    | 1    | 2    |
| total               | 312  | 305  | 268  | 253  | 232  | 230  | 231  | 242  | 236  | 192  | 150  | 149  | 167  | 174  | 180  | 147  | 135  | 163  | 140  | 149  | 148  | 137  |

#### Month of industrial accidents in plywood in 1999-2020

| Month     | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 |
|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| January   | 27   | 29   | 32   | 23   | 14   | 23   | 14   | 17   | 13   | 14   | 18   | 10   | 17   | 20   | 15   | 7    | 15   | 9    | 11   | 12   | 13   | 11   |
| February  | 31   | 22   | 22   | 14   | 23   | 11   | 27   | 19   | 25   | 16   | 11   | 7    | 19   | 15   | 17   | 14   | 10   | 13   | 7    | 11   | 9    | 16   |
| March     | 29   | 32   | 27   | 20   | 28   | 23   | 17   | 22   | 18   | 17   | 15   | 12   | 25   | 18   | 16   | 13   | 11   | 15   | 12   | 9    | 9    | 12   |
| April     | 36   | 23   | 27   | 17   | 19   | 10   | 22   | 17   | 20   | 12   | 14   | 5    | 10   | 9    | 19   | 10   | 9    | 16   | 11   | 14   | 17   | 14   |
| May       | 26   | 17   | 13   | 17   | 18   | 16   | 15   | 19   | 27   | 24   | 8    | 15   | 6    | 4    | 11   | 10   | 11   | 10   | 10   | 9    | 16   | 12   |
| June      | 26   | 31   | 14   | 16   | 16   | 25   | 17   | 21   | 27   | 13   | 15   | 12   | 17   | 14   | 12   | 14   | 11   | 14   | 12   | 8    | 15   | 9    |
| July      | 37   | 30   | 18   | 20   | 22   | 20   | 22   | 29   | 23   | 21   | 13   | 14   | 10   | 10   | 17   | 14   | 13   | 12   | 17   | 13   | 12   | 14   |
| August    | 24   | 30   | 22   | 18   | 21   | 25   | 24   | 19   | 11   | 12   | 8    | 14   | 22   | 26   | 16   | 11   | 12   | 16   | 12   | 10   | 6    | 7    |
| September | 15   | 17   | 19   | 28   | 16   | 10   | 15   | 19   | 15   | 12   | 12   | 17   | 13   | 11   | 12   | 10   | 9    | 16   | 12   | 9    | 9    | 11   |
| October   | 19   | 23   | 25   | 29   | 19   | 24   | 18   | 19   | 21   | 21   | 9    | 10   | 11   | 23   | 7    | 15   | 10   | 15   | 10   | 19   | 20   | 13   |
| November  | 22   | 25   | 28   | 25   | 16   | 21   | 17   | 21   | 20   | 16   | 16   | 15   | 10   | 12   | 15   | 17   | 9    | 5    | 13   | 18   | 9    | 12   |
| December  | 20   | 26   | 21   | 26   | 20   | 22   | 23   | 20   | 16   | 14   | 11   | 18   | 7    | 12   | 23   | 12   | 15   | 22   | 13   | 17   | 13   | 6    |

|       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| total | 312 | 305 | 268 | 253 | 232 | 230 | 231 | 242 | 236 | 192 | 150 | 149 | 167 | 174 | 180 | 147 | 135 | 163 | 140 | 149 | 148 | 137 |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|

Prefecture of industrial accidents in plywood in 1999-2020

| Prefecture | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 |
|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Hokkaido   | 30   | 20   | 21   |      | 17   |      | 19   | 16   | 21   | 21   | 10   | 12   | 16   | 23   | 10   | 19   | 5    | 12   | 16   | 13   | 8    | 12   |
| Aomori     | 0    | 1    | 1    |      | 0    |      | 0    | 1    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 3    | 3    | 5    | 4    | 4    |
| Iwate      | 10   | 5    | 6    |      | 6    |      | 8    | 3    | 9    | 6    | 5    | 10   | 4    | 5    | 1    | 7    | 5    | 7    | 5    | 6    | 7    | 2    |
| Miyagi     | 8    | 5    | 3    |      | 4    |      | 7    | 18   | 18   | 8    | 6    | 4    | 18   | 4    | 4    | 2    | 1    | 1    | 5    | 5    | 5    | 3    |
| Akita      | 18   | 15   | 9    |      | 6    |      | 7    | 20   | 11   | 12   | 8    | 12   | 13   | 14   | 10   | 7    | 9    | 14   | 8    | 13   | 10   | 7    |
| Yamagata   | 1    | 2    | 3    |      | 2    |      | 1    | 1    | 3    | 0    | 1    | 1    | 0    | 2    | 3    | 1    | 2    | 1    | 3    | 2    | 1    | 1    |
| Fukushima  | 6    | 10   | 1    |      | 2    |      | 7    | 8    | 5    | 3    | 3    | 2    | 1    | 3    | 2    | 3    | 4    | 4    | 1    | 3    | 3    | 1    |
| Ibaraki    | 3    | 3    | 3    |      | 2    |      | 5    | 5    | 5    | 5    | 6    | 7    | 6    | 5    | 8    | 4    | 4    | 6    | 2    | 4    | 5    | 2    |
| Tochigi    | 5    | 2    | 4    |      | 5    |      | 3    | 4    | 3    | 3    | 1    | 2    | 4    | 4    | 6    | 2    | 4    | 5    | 1    | 3    | 1    | 1    |
| Gunma      | 3    | 2    | 5    |      | 2    |      | 7    | 2    | 5    | 3    | 2    | 3    | 2    | 1    | 1    | 1    | 1    | 0    | 0    | 2    | 1    | 0    |
| Saitama    | 5    | 8    | 6    |      | 5    |      | 5    | 9    | 3    | 2    | 4    | 0    | 2    | 3    | 3    | 5    | 1    | 3    | 0    | 4    | 2    | 3    |
| Chiba      | 3    | 6    | 5    |      | 4    |      | 1    | 7    | 7    | 9    | 7    | 0    | 0    | 0    | 0    | 3    | 3    | 4    | 6    | 2    | 1    | 3    |
| Tokyo      | 5    | 6    | 4    |      | 7    |      | 4    | 6    | 5    | 7    | 2    | 1    | 2    | 3    | 0    | 0    | 2    | 2    | 0    | 0    | 2    | 0    |
| Kanagawa   | 1    | 0    | 0    |      | 0    |      | 2    | 1    | 1    | 0    | 0    | 0    | 0    | 2    | 0    | 0    | 0    | 2    | 2    | 0    | 2    | 0    |
| Niigata    | 1    | 3    | 6    |      | 5    |      | 7    | 7    | 7    | 6    | 6    | 3    | 2    | 2    | 4    | 6    | 4    | 3    | 5    | 2    | 1    | 3    |
| Toyama     | 4    | 5    | 3    |      | 1    |      | 3    | 2    | 3    | 0    | 0    | 1    | 0    | 0    | 1    | 0    | 1    | 0    | 0    | 0    | 0    | 1    |
| Ishikawa   | 9    | 6    | 7    |      | 3    |      | 2    | 2    | 3    | 2    | 4    | 0    | 2    | 3    | 4    | 4    | 3    | 3    | 2    | 5    | 1    | 0    |
| Fukui      | 5    | 3    | 3    |      | 1    |      | 0    | 1    | 1    | 1    | 0    | 0    | 2    | 3    | 0    | 1    | 3    | 1    | 2    | 4    | 2    | 2    |
| Yamanashi  | 0    | 2    | 4    |      | 1    |      | 0    | 0    | 1    | 0    | 1    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| Nagano     | 1    | 2    | 1    |      | 1    |      | 1    | 2    | 2    | 1    | 2    | 2    | 2    | 1    | 2    | 2    | 2    | 1    | 1    | 0    | 0    | 3    |
| Gifu       | 19   | 20   | 15   |      | 9    |      | 5    | 12   | 5    | 1    | 7    | 4    | 6    | 7    | 7    | 5    | 5    | 10   | 6    | 0    | 4    | 5    |
| Shizuoka   | 16   | 18   | 15   |      | 18   |      | 15   | 8    | 8    | 14   | 5    | 3    | 3    | 5    | 3    | 12   | 4    | 5    | 3    | 8    | 4    | 3    |
| Aichi      | 30   | 33   | 24   |      | 24   |      | 16   | 21   | 16   | 11   | 20   | 17   | 18   | 17   | 7    | 4    | 6    | 13   | 9    | 9    | 11   | 10   |
| Mie        | 5    | 2    | 2    |      | 3    |      | 5    | 2    | 3    | 1    | 3    | 4    | 1    | 7    | 0    | 0    | 2    | 1    | 2    | 2    | 1    | 2    |
| Shiga      | 7    | 1    | 1    |      | 2    |      | 4    | 1    | 5    | 0    | 0    | 0    | 1    | 0    | 1    | 0    | 0    | 1    | 0    | 0    | 1    | 1    |
| Kyoto      | 4    | 0    | 3    |      | 3    |      | 5    | 4    | 5    | 5    | 1    | 3    | 2    | 2    | 7    | 2    | 1    | 1    | 0    | 0    | 1    | 2    |
| Osaka      | 10   | 10   | 9    |      | 12   |      | 11   | 10   | 11   | 15   | 8    | 9    | 9    | 8    | 14   | 7    | 9    | 9    | 13   | 10   | 5    | 9    |
| Hyogo      | 2    | 3    | 3    |      | 2    |      | 2    | 2    | 0    | 0    | 4    | 0    | 9    | 2    | 4    | 6    | 1    | 3    | 0    | 1    | 1    | 1    |
| Nara       | 15   | 12   | 9    |      | 8    |      | 18   | 21   | 21   | 17   | 6    | 18   | 7    | 15   | 29   | 22   | 15   | 16   | 9    | 18   | 18   | 14   |
| Wakayama   | 2    | 3    | 5    |      | 3    |      | 3    | 3    | 4    | 0    | 1    | 0    | 2    | 4    | 3    | 1    | 0    | 2    | 1    | 1    | 3    | 2    |
| Tottori    | 1    | 12   | 3    |      | 2    |      | 1    | 2    | 3    | 2    | 6    | 5    | 6    | 4    | 2    | 1    | 6    | 2    | 2    | 1    | 5    | 10   |

|           |     |     |     |  |     |  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----------|-----|-----|-----|--|-----|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Shimane   | 19  | 12  | 12  |  | 9   |  | 8   | 5   | 9   | 3   | 4   | 5   | 5   | 7   | 6   | 2   | 9   | 10  | 11  | 8   | 7   | 5   |
| Okayama   | 8   | 2   | 1   |  | 6   |  | 2   | 6   | 4   | 0   | 0   | 2   | 5   | 3   | 4   | 1   | 0   | 1   | 2   | 1   | 3   | 7   |
| Hiroshima | 17  | 9   | 7   |  | 9   |  | 14  | 7   | 5   | 7   | 3   | 6   | 5   | 2   | 5   | 4   | 6   | 5   | 3   | 1   | 4   | 5   |
| Yamaguchi | 2   | 2   | 3   |  | 2   |  | 0   | 0   | 4   | 2   | 1   | 2   | 1   | 2   | 2   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| Tokushima | 12  | 15  | 23  |  | 11  |  | 5   | 4   | 10  | 2   | 3   | 4   | 3   | 1   | 6   | 1   | 1   | 2   | 0   | 2   | 8   | 3   |
| Kagawa    | 6   | 9   | 13  |  | 20  |  | 9   | 5   | 2   | 5   | 3   | 1   | 3   | 1   | 6   | 5   | 5   | 1   | 3   | 5   | 4   | 1   |
| Ehime     | 0   | 2   | 0   |  | 1   |  | 3   | 2   | 0   | 2   | 0   | 1   | 0   | 2   | 4   | 1   | 3   | 3   | 2   | 0   | 4   | 5   |
| Kochi     | 1   | 3   | 5   |  | 1   |  | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 1   | 0   | 0   |
| Fukuoka   | 5   | 13  | 8   |  | 7   |  | 4   | 6   | 2   | 7   | 1   | 2   | 1   | 3   | 2   | 4   | 1   | 3   | 3   | 5   | 2   | 1   |
| Saga      | 0   | 3   | 4   |  | 0   |  | 3   | 0   | 0   | 1   | 0   | 0   | 2   | 1   | 1   | 0   | 1   | 0   | 4   | 0   | 2   | 1   |
| Nagasaki  | 0   | 2   | 1   |  | 0   |  | 0   | 0   | 0   | 1   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 1   | 0   | 0   | 0   |
| Kumamoto  | 4   | 3   | 4   |  | 3   |  | 3   | 1   | 3   | 2   | 0   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 0   | 0   | 1   | 0   |
| Oita      | 0   | 0   | 0   |  | 0   |  | 1   | 1   | 0   | 1   | 0   | 0   | 0   | 0   | 1   | 0   | 3   | 0   | 1   | 1   | 0   | 0   |
| Miyazaki  | 4   | 3   | 1   |  | 2   |  | 3   | 1   | 2   | 3   | 3   | 0   | 1   | 2   | 5   | 0   | 1   | 2   | 1   | 1   | 1   | 1   |
| Kagoshima | 5   | 6   | 2   |  | 1   |  | 1   | 1   | 1   | 1   | 0   | 2   | 0   | 0   | 1   | 1   | 0   | 0   | 1   | 1   | 1   | 1   |
| Okinawa   | 0   | 1   | 0   |  | 0   |  | 1   | 2   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   |
| total     | 312 | 305 | 268 |  | 232 |  | 231 | 242 | 236 | 192 | 150 | 149 | 167 | 174 | 180 | 147 | 135 | 163 | 140 | 149 | 148 | 137 |

Industrial accidents mean fatal and non-fatal injuries with work absence of 4 days and more. Data of 2011 year include Industrial accidents caused by Great East Japan Earthquake in 2011.

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

Return to [https://www.jisha.or.jp/english/statistics/2020e\\_industry.html](https://www.jisha.or.jp/english/statistics/2020e_industry.html)

=====  
Fatal accidents in plywood in Japan in 1999-2020

plywood industry Code No.010402

Type of fatal accidents in plywood in 1999-2020

| 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 |
|-----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| fall from height      | 0    | 0    | 0    | 1    | 1    | 0    | 0    | 1    | 0    | 0    | 1    | 1    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| falling to same level | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| crash                 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| struck by flying or   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 1    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 1    | 0    | 0    | 0    |

|                                    |   |   |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|----|---|---|---|---|---|---|---|---|---|
| falling object                     |   |   |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |
| collapse                           | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| crashed by                         | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| caught in/between                  | 0 | 1 | 6 | 1 | 0 | 1 | 2 | 0 | 1 | 0 | 1 | 1 | 2  | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 1 | 3 |
| cut                                | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| injury to the sole of the foot     | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| drown                              | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| contact to high/low-temperature    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| contact to harmful substance       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| electric shock                     | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| explosion                          | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| burst                              | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| fire                               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| traffic accident (public road)     | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| traffic accident (others)          | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| reaction to motion/improper motion | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| others                             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0  | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| unclassifiable                     | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| total                              | 1 | 3 | 7 | 2 | 2 | 2 | 2 | 3 | 2 | 0 | 3 | 4 | 16 | 0 | 6 | 0 | 0 | 0 | 1 | 3 | 2 | 3 |

Causal agents (middle) of fatal accidents in plywood in 1999-2020

| 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 |
|------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| engine                       | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| power transmission mechanism | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| woodworking machine          | 1    | 0    | 3    | 0    | 1    | 1    | 1    | 0    | 1    | 0    | 1    | 0    | 2    | 0    | 0    | 0    | 0    | 0    | 0    | 2    | 0    | 0    |

|                                     |   |   |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |
|-------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|----|---|---|---|---|---|---|---|---|---|
| construction machine                | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| metal manufacturing machine         | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| general machine                     | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0  | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| mobile silviculture machine         |   |   |   |   |   |   |   |   |   |   |   |   |    |   |   |   | 0 | 0 | 0 | 0 | 0 | 0 |
| crane                               | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| conveying machine                   | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0  | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 2 |
| vehicle                             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| pressure vessel                     | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| chemical facilities                 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| welding equipment                   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| kiln, caldron                       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| electric equipment                  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| human power machine, tools          | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| tools                               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| other equipments, facilities        | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| temporary buildings, establishments | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| hazards, harmful substances         | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| materials                           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| load                                | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| natural environment                 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 13 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| other causal agent                  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| no causal agent                     | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| unclassifiable                      | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| total                               | 1 | 3 | 7 | 2 | 2 | 2 | 2 | 3 | 2 | 0 | 3 | 4 | 16 | 0 | 6 | 0 | 0 | 0 | 1 | 3 | 2 | 3 |









|                                   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|----|---|---|---|---|---|---|---|---|---|
| stone, sand, substance            | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| other materials                   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| load                              | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| machine/equipment as load         | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| natural ground, rock              | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| standing tree                     | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| water                             | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| abnormal environment              | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| high/cold temperature environment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| other environments                | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| other causal agent                | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| no causal agent                   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| unclassifiable                    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| total                             | 1 | 3 | 7 | 2 | 2 | 2 | 2 | 3 | 2 | 0 | 3 | 4 | 16 | 0 | 6 | 0 | 0 | 0 | 1 | 3 | 2 | 3 |

Workers age of fatal accidents in plywood in 1999-2020

| Age                  | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 |
|----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 19 years old or less | 0    | 0    | 1    | 0    | 0    | 0    | 1    | 0    | 0    | 0    | 0    | 0    | 1    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 20-29                | 0    | 0    | 1    | 0    | 0    | 0    | 1    | 1    | 0    | 0    | 0    | 1    | 2    | 0    | 1    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 30-39                | 0    | 0    | 1    | 0    | 0    | 1    | 0    | 0    | 1    | 0    | 0    | 0    | 5    | 0    | 1    | 0    | 0    | 0    | 1    | 0    | 0    | 0    |
| 40-49                | 0    | 3    | 2    | 1    | 0    | 0    | 0    | 0    | 0    | 0    | 1    | 1    | 1    | 0    | 1    | 0    | 0    | 0    | 0    | 2    | 0    | 2    |
| 50-59                | 1    | 0    | 2    | 1    | 1    | 1    | 0    | 1    | 0    | 0    | 1    | 2    | 5    | 0    | 2    | 0    | 0    | 0    | 0    | 1    | 0    | 1    |
| 60 years old or more | 0    | 0    | 0    | 0    | 1    | 0    | 0    | 1    | 1    | 0    | 1    | 0    | 2    | 0    | 1    | 0    | 0    | 0    | 0    | 0    | 2    | 0    |
| total                | 1    | 3    | 7    | 2    | 2    | 2    | 2    | 3    | 2    | 0    | 3    | 4    | 16   | 0    | 6    | 0    | 0    | 0    | 1    | 3    | 2    | 3    |

Workers' number of workplace of fatal accidents in plywood in 1999-2020

| Workers scale     | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 9 workers or less | 0    | 0    | 0    | 1    | 1    | 0    | 0    | 0    | 0    | 0    | 1    | 1    | 0    | 0    | 1    | 0    | 0    | 0    | 0    | 0    | 1    | 0    |



|           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tochigi   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Gunma     | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Saitama   | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chiba     | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tokyo     | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kanagawa  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Niigata   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Toyama    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ishikawa  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fukui     | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Yamanashi | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nagano    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Gifu      | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| Shizuoka  | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Aichi     | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| Mie       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Shiga     | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| Kyoto     | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Osaka     | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Hyogo     | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nara      | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wakayama  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tottori   | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Shimane   | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Okayama   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Hiroshima | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Yamaguchi | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tokushima | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kagawa    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ehime     | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kochi     | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fukuoka   | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Saga      | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nagasaki  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kumamoto  | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

|           |   |   |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |
|-----------|---|---|---|---|---|---|---|---|---|---|---|---|----|---|---|---|---|---|---|---|---|---|
| Oita      | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Miyazaki  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kagoshima | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Okinawa   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| total     | 1 | 3 | 7 | 2 | 2 | 2 | 2 | 3 | 2 | 0 | 3 | 4 | 16 | 0 | 6 | 0 | 0 | 0 | 1 | 3 | 2 | 3 |

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

Return to [https://www.jisha.or.jp/english/statistics/2020e\\_industry.html](https://www.jisha.or.jp/english/statistics/2020e_industry.html)