

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|-------|-------|-------|-------|-------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|------------------------------------|
| contact to harmful substance | 5 | 3 | 6 | 9 | 14 | 7 | 11 | 8 | 8 | 3 | 5 | 6 | 9 | 3 | 6 | 3 | 4 | 17 | 7 | 5 | 8 | 8 | 6 | 161 | contact to harmful substance |
| electric shock | 7 | 6 | 2 | 6 | 3 | 6 | 1 | 3 | 4 | 2 | 5 | | 5 | 3 | 3 | 2 | | | 4 | 5 | 3 | 5 | 2 | 77 | electric shock |
| explosion | 2 | 1 | 3 | 1 | 1 | | 2 | | 1 | 1 | | 1 | | 1 | 3 | | | | 1 | 1 | | 2 | | 21 | explosion |
| burst | | 1 | | 7 | | 1 | 1 | 1 | 1 | | 1 | | | | | | 1 | 1 | 1 | | | 1 | | 17 | burst |
| fire | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 2 | 2 | 1 | | 1 | 1 | | 1 | 4 | 1 | 2 | 1 | 1 | | 31 | fire |
| traffic accident (public road) | 40 | 38 | 32 | 27 | 40 | 38 | 41 | 21 | 41 | 31 | 14 | 38 | 31 | 19 | 31 | 19 | 46 | 19 | 35 | 24 | 39 | 37 | 20 | 721 | traffic accident (public road) |
| traffic accident (others) | | 1 | | | 1 | 1 | | | | | | | | | | | 2 | 1 | 1 | | | | | 9 | traffic accident (others) |
| reaction to motion/improper motion | 92 | 76 | 83 | 81 | 84 | 88 | 58 | 76 | 57 | 57 | 56 | 60 | 52 | 50 | 45 | 51 | 49 | 37 | 48 | 47 | 53 | 46 | 71 | 1,417 | reaction to motion/improper motion |
| others | 4 | 6 | 5 | 5 | 5 | 7 | 6 | 3 | 4 | 6 | 4 | 5 | 13 | 3 | 6 | 3 | 5 | | 3 | 2 | 3 | 12 | 111 | 221 | others |
| unclassifiable | 1 | 3 | | 1 | | | 1 | 4 | 2 | | 1 | | | | | | 1 | | | | | | | 14 | unclassifiable |
| total | 1,192 | 1,201 | 1,261 | 1,127 | 1,134 | 1,015 | 960 | 956 | 881 | 751 | 669 | 769 | 779 | 709 | 778 | 730 | 768 | 690 | 620 | 628 | 682 | 697 | 828 | 19,825 | total |

Causal agents (large) of fatal and non-fatal accidents in building facility construction work 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 | 181 | 183 | 208 | 173 | 173 | 143 | 136 | 131 | 112 | 123 | 95 | 101 | 98 | 101 | 103 | 88 | 90 | 92 | 87 | 86 | 59 | 73 | 82 | 2,718 | machine |
| crane, conveying | 118 | 106 | 116 | 116 | 126 | 98 | 130 | 79 | 105 | 80 | 62 | 99 | 85 | 64 | 85 | 78 | 106 | 77 | 81 | 72 | 89 | 81 | 91 | 2,144 | crane, conveying |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|-------|-------|-------|-------|-------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|-------------------------------------|--|---------|
| machine | | | | | | | | | | | | | | | | | | | | | | | | | | | machine |
| other equipment | 301 | 294 | 319 | 328 | 280 | 250 | 242 | 263 | 243 | 195 | 199 | 219 | 206 | 190 | 210 | 216 | 219 | 216 | 171 | 171 | 176 | 206 | 227 | 5,341 | other equipment | | |
| temporary buildings, establishments | 314 | 360 | 333 | 274 | 299 | 288 | 250 | 266 | 226 | 193 | 185 | 200 | 208 | 215 | 197 | 194 | 197 | 190 | 163 | 168 | 198 | 198 | 190 | 5,306 | temporary buildings, establishments | | |
| substance, material | 163 | 153 | 155 | 131 | 146 | 122 | 123 | 123 | 123 | 90 | 68 | 73 | 95 | 76 | 91 | 84 | 75 | 70 | 61 | 64 | 89 | 59 | 66 | 2,300 | substance, material | | |
| load | 44 | 46 | 60 | 41 | 51 | 52 | 34 | 33 | 35 | 27 | 24 | 29 | 25 | 25 | 44 | 31 | 36 | 15 | 20 | 13 | 30 | 25 | 23 | 763 | load | | |
| environment | 25 | 23 | 37 | 19 | 24 | 21 | 22 | 27 | 16 | 20 | 10 | 19 | 35 | 19 | 33 | 20 | 24 | 14 | 17 | 30 | 22 | 21 | 11 | 509 | environment | | |
| others | 46 | 36 | 33 | 45 | 35 | 41 | 23 | 34 | 21 | 23 | 26 | 29 | 27 | 19 | 15 | 19 | 21 | 16 | 20 | 24 | 19 | 34 | 138 | 744 | others | | |
| total | 1,192 | 1,201 | 1,261 | 1,127 | 1,134 | 1,015 | 960 | 956 | 881 | 751 | 669 | 769 | 779 | 709 | 778 | 730 | 768 | 690 | 620 | 628 | 682 | 697 | 828 | 19,825 | total | | |

Causal agents (middle) of fatal and non-fatal accidents in building facility construction work 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 | | 2 | | | 1 | | 2 | | 1 | | 1 | 1 | | | 2 | | 2 | | | | | | 2 | 14 | engine |
| power transmission mechanism | | 1 | 2 | 1 | 10 | 1 | 2 | | 4 | 1 | 1 | | 4 | 4 | 1 | | 2 | 2 | | 1 | 1 | 1 | 3 | 42 | power transmission mechanism |
| woodworking machine | 58 | 48 | 51 | 53 | 53 | 34 | 32 | 34 | 18 | 37 | 20 | 21 | 23 | 26 | 25 | 23 | 16 | 24 | 17 | 16 | 17 | 13 | 17 | 676 | woodworking machine |
| construction machine | 32 | 46 | 38 | 30 | 21 | 37 | 36 | 30 | 20 | 18 | 19 | 17 | 23 | 24 | 22 | 25 | 27 | 25 | 16 | 17 | 16 | 19 | 19 | 577 | construction machine |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|-------|-------|-------|-------|-------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|-------------------------------------|
| other equipments, facilities | 15 | 22 | 25 | 16 | 20 | 19 | 21 | 22 | 16 | 14 | 11 | 17 | 18 | 19 | 16 | 14 | 29 | 23 | 11 | 10 | 17 | 20 | 24 | 419 | equipments, facilities |
| temporary buildings, establishments | 314 | 360 | 333 | 274 | 299 | 288 | 250 | 266 | 226 | 193 | 185 | 200 | 208 | 215 | 197 | 194 | 197 | 190 | 163 | 168 | 198 | 198 | 190 | 5,306 | temporary buildings, establishments |
| hazards, harmful substances | 11 | 5 | 14 | 18 | 18 | 11 | 13 | 13 | 14 | 9 | 8 | 10 | 11 | 6 | 12 | 4 | 4 | 17 | 8 | 7 | 11 | 8 | 7 | 239 | hazards, harmful substances |
| materials | 152 | 148 | 141 | 113 | 128 | 111 | 110 | 110 | 109 | 81 | 60 | 63 | 84 | 70 | 79 | 80 | 71 | 53 | 53 | 57 | 78 | 51 | 59 | 2,061 | materials |
| load | 44 | 46 | 60 | 41 | 51 | 52 | 34 | 33 | 35 | 27 | 24 | 29 | 25 | 25 | 44 | 31 | 36 | 15 | 20 | 13 | 30 | 25 | 23 | 763 | load |
| natural environment | 25 | 23 | 37 | 19 | 24 | 21 | 22 | 27 | 16 | 20 | 10 | 19 | 35 | 19 | 33 | 20 | 24 | 14 | 17 | 30 | 22 | 21 | 11 | 509 | natural environment |
| other causal agent | 15 | 16 | 7 | 11 | 6 | 9 | 1 | 7 | 3 | 5 | 3 | 5 | 6 | 3 | 1 | 3 | 7 | 5 | 5 | 3 | 2 | 10 | 115 | 248 | other causal agent |
| no causal agent | 29 | 17 | 26 | 33 | 27 | 31 | 20 | 24 | 14 | 17 | 22 | 23 | 20 | 16 | 13 | 14 | 12 | 11 | 15 | 20 | 17 | 24 | 23 | 468 | no causal agent |
| unclassifiable | 2 | 3 | | 1 | 2 | 1 | 2 | 3 | 4 | 1 | 1 | 1 | 1 | | 1 | 2 | 2 | | | 1 | | | | 28 | unclassifiable |
| total | 1,192 | 1,201 | 1,261 | 1,127 | 1,134 | 1,015 | 960 | 956 | 881 | 751 | 669 | 769 | 779 | 709 | 778 | 730 | 768 | 690 | 620 | 628 | 682 | 697 | 828 | 19,825 | total |

Causal agents (small) of fatal and non-fatal accidents in building facility construction work 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 | | 2 | | 1 | | 1 | 1 | | | 2 | | 2 | | | | | | 2 | 12 | engine |
| power transmission | | | 2 | | 10 | | 2 | | 4 | 1 | 1 | | 4 | 4 | 1 | | 2 | 2 | | 1 | 1 | 1 | 3 | 39 | power transmission |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--|----|--|----|--|----|----|----|----|----|----|----|----|----|----|----|----|----|---|----|----|----|-----|---|
| mechanism | | | | | | | | | | | | | | | | | | | | | | | | | mechanism |
| circular sawing machine | | | 40 | | 34 | | 24 | 25 | 13 | 23 | 17 | 16 | 15 | 18 | 17 | 16 | 12 | 12 | 13 | 9 | 13 | 8 | 11 | 336 | circular sawing machine |
| band sawing machine | | | 1 | | | | | | | | | | 1 | 1 | | | | | 1 | | | | | 4 | band sawing machine |
| wood planer machine | | | | | 1 | | 3 | 1 | | 2 | | 1 | 1 | 2 | | | 1 | 4 | | 1 | | | | 17 | wood planer machine |
| hollow chisel mortiser, wood borer | | | | | 1 | | | | | 1 | | 1 | | | 2 | 1 | | | 1 | | | | | 7 | hollow chisel mortiser, wood borer |
| chamfering machine, router, woodworking milling machine | | | | | | | | 1 | | | | | | | | | | | | 1 | | | | 2 | chamfering machine, router, woodworking milling machine |
| chain saw | | | 1 | | 1 | | | 1 | | | | 1 | 2 | | 1 | 1 | | 2 | | 1 | | 3 | 3 | 17 | chain saw |
| other woodworking machines | | | 9 | | 16 | | 5 | 6 | 5 | 11 | 3 | 2 | 4 | 5 | 5 | 5 | 3 | 6 | 2 | 4 | 4 | 2 | 3 | 100 | other woodworking machines |
| leveling, transporting or loading machine | | | 3 | | | | 3 | 2 | | 2 | 1 | 3 | 2 | 1 | 2 | 3 | 2 | 2 | 3 | 2 | | 2 | 2 | 35 | leveling, transporting or loading machine |
| excavating machine | | | 17 | | 8 | | 17 | 13 | 10 | 10 | 6 | 2 | 9 | 11 | 7 | 9 | 14 | 11 | 7 | 4 | 6 | 11 | 6 | 178 | excavating machine |
| foundation work machine | | | | | | | 1 | 1 | 1 | | | | | 2 | | 1 | 1 | 1 | 1 | | 2 | | | 11 | foundation work machine |
| hardening machine | | | 2 | | 1 | | 1 | 2 | 1 | 1 | | 1 | 2 | 2 | 3 | 1 | 2 | | | 1 | 1 | | 2 | 23 | hardening machine |
| demolition machine | | | | | 3 | | 3 | 2 | 1 | | 4 | 1 | 5 | 1 | 1 | 2 | 2 | 2 | | 1 | 1 | 3 | | 32 | demolition machine |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|----|----|--|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|----|----|-----|--|
| vehicle for high lift work | | | 1 | 3 | | 2 | 4 | 4 | | 4 | 6 | 1 | 3 | 1 | 4 | 3 | 3 | 3 | 4 | 4 | 2 | 6 | 58 | vehicle for high lift work |
| other construction machines | | | 15 | 6 | | 9 | 6 | 3 | 5 | 4 | 4 | 4 | 4 | 8 | 5 | 3 | 6 | 2 | 5 | 2 | 1 | 3 | 95 | other construction machines |
| lathe | | | 4 | 4 | | 2 | 1 | 1 | 2 | | | 1 | | | 2 | | 1 | 1 | | | 1 | | 20 | lathe |
| drill press, milling machine | | | 2 | 2 | | | | 1 | 4 | | 1 | | 1 | 1 | | 1 | | 1 | 2 | | | | 16 | drill press, milling machine |
| grinding machine, buffing machine | | | 40 | 23 | | 21 | 19 | 15 | 19 | 27 | 31 | 22 | 13 | 18 | 12 | 14 | 11 | 18 | 19 | 6 | 15 | 17 | 360 | grinding machine, buffing machine |
| power press | | | 3 | 2 | | 1 | | | 1 | 2 | 2 | 2 | 1 | | 1 | | 3 | 4 | 5 | 1 | 2 | 1 | 31 | power press |
| forging pressure hammer | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | forging pressure hammer |
| shearing machine | | | 2 | 2 | | 1 | | 1 | | | | 1 | | | 1 | | | 1 | 1 | | | 1 | 11 | shearing machine |
| other metal manufacturing machines | | | 31 | 22 | | 15 | 18 | 19 | 21 | 8 | 9 | 10 | 14 | 13 | 8 | 11 | 11 | 15 | 14 | 5 | 3 | 10 | 257 | other metal manufacturing machines |
| centrifugal machine | | | | | | | | | | | | | | | | | | | | | | | | centrifugal machine |
| mixer, grinder | | | 2 | 1 | | 1 | 3 | 1 | 2 | 1 | 2 | | | 2 | 2 | 3 | | 3 | 1 | 1 | | | 25 | mixer, grinder |
| roll machine (except printingroll machine) | | | | 1 | | 1 | 1 | 1 | 1 | | | | | 1 | | | 1 | | 2 | | 1 | | 10 | roll machine (except printingroll machine) |
| injection molding machine | | | | | | | | | | | | | | | 1 | | | | | | | | 1 | injection molding machine |
| food manufacturing | | | | | | | | 1 | | | | | | | | | | 1 | | | | | 2 | food manufacturing |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|----|--|----|--|----|----|----|----|----|----|----|----|----|----|----|----|----|---|----|----|----|-----|---|------------------------------|--|
| machine | | | | | | | | | | | | | | | | | | | | | | | | | | machine | |
| printing machine | | | | | | | | | | | | | | | | | | | | | | | | | | | printing machine |
| industrial robot | | | | | | | | | | | | | | | | | | | | | | | | | | | industrial robot |
| other general power machines | | | 33 | | 31 | | 22 | 25 | 29 | 17 | 16 | 17 | 12 | 18 | 18 | 13 | 14 | 13 | 10 | 8 | 12 | 17 | 12 | 337 | | other general power machines | |
| felling machine | | | | | | | | | | | | | | | | | | | | | | | | | | | felling machine |
| mobile logging machine | | | | | | | | | | | | | | | | | | 1 | | | | | | | 1 | | mobile logging machine |
| skyline yarding machine | | | | | | | | | | | | | | | | | | | | | | | | | | | skyline yarding machine |
| other mobile silviculture machine | | | | | | | | | | | | | | | | | | | | | | | | | | | other mobile silviculture machine |
| crane | | | 6 | | 3 | | 6 | 5 | 6 | 3 | 3 | 4 | 5 | | 2 | 2 | 4 | 7 | 4 | 3 | 2 | 5 | 4 | 74 | | crane | |
| mobile crane | | | 6 | | 10 | | 10 | 9 | 3 | 6 | 5 | 7 | 8 | 5 | 5 | 5 | 6 | 7 | 1 | 6 | 4 | 5 | 10 | 118 | | mobile crane | |
| derrick crane | | | | | | | | | | | | | | | | | | | | | | | | | | | derrick crane |
| elevator, lift | | | 3 | | 4 | | 1 | 5 | | | 2 | | 1 | 3 | 2 | | 4 | | 2 | | 1 | 3 | 4 | 35 | | elevator, lift | |
| cargo lifting appliance | | | | | | | | | | | | | | | | | | | | | | | | | | | cargo lifting appliance |
| gondola | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | 3 | | gondola |
| lumberyard equipment, logging cableway | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | lumberyard equipment, logging cableway |
| simple skyline yarding equipment | | | | | | | | | | | | | | | | | | | | | | | | | | | simple skyline yarding equipment |

| | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|--|--|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|----------------------------------|
| other powered crane | | | 3 | 4 | 4 | 1 | 2 | 4 | 2 | 3 | 2 | 2 | 2 | | 3 | 2 | 2 | 4 | | 2 | 1 | 43 | other powered crane |
| truck | | | 64 | 58 | 61 | 32 | 53 | 39 | 38 | 44 | 29 | 30 | 43 | 41 | 46 | 35 | 33 | 32 | 43 | 27 | 37 | 785 | truck |
| forklift | | | 3 | | 4 | 4 | 6 | 2 | | 2 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 5 | 2 | 2 | 6 | 55 | forklift |
| railway equipment | | | | | | | | | | | | | | | | | | | | | | | railway equipment |
| conveyor | | | 1 | 2 | 2 | 1 | 2 | | | 1 | 3 | | | 1 | | | 2 | | | | 1 | 16 | conveyor |
| loader | | | | | | | | | | | | | | | | | 1 | | | | 1 | 2 | loader |
| straddle carrier | | | | | | | | | | | | | | | | | | | | | | | straddle carrier |
| rough terrain hauler | | | | | | 1 | | | | | | | | | | | | | | | | 1 | rough terrain hauler |
| other powered conveying machines | | | 2 | 1 | 1 | 2 | 1 | | | 2 | | 1 | 2 | 1 | 1 | 1 | | 1 | | 1 | 3 | 20 | other powered conveying machines |
| cars, bus, motorcycle | | | 28 | 44 | 41 | 17 | 32 | 24 | 12 | 35 | 34 | 20 | 25 | 24 | 40 | 23 | 32 | 21 | 37 | 36 | 23 | 548 | cars, bus, motorcycle |
| railway vehicle | | | | | | | | | | 1 | | | | | | | | | | | | 1 | railway vehicle |
| other vehicles | | | | | | 2 | | | | | | | | | | | | | | | 1 | 3 | other vehicles |
| boiler | | | 2 | 3 | 2 | 2 | 1 | | 1 | 1 | | 2 | 1 | | | | 3 | | | | 1 | 19 | boiler |
| pressure vessel | | | | | | | | | | | | | 2 | | | | | | | | 1 | 3 | pressure vessel |
| other pressure vessels | | | 3 | 1 | 3 | 2 | | 1 | | | | | | 1 | | 1 | | 1 | 2 | 1 | 1 | 17 | other pressure vessels |
| chemical facilities | | | | | | 1 | 2 | 2 | | 1 | | | | | | | 2 | | | | | 8 | chemical facilities |
| gas welding equipment | | | 1 | | 1 | | 1 | | | 1 | 2 | | | | | 1 | 1 | | 1 | 2 | | 11 | gas welding equipment |
| arc welding equipment | | | 2 | 2 | 1 | | 1 | 1 | 3 | 1 | 1 | | | 1 | | 1 | 1 | 2 | 1 | 1 | | 19 | arc welding equipment |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------|--|--|-----|---|-----|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------------------|-------------------------------|
| other welding equipment | | | | 1 | | | | | 3 | | | | | | | | | | | | | | 4 | other welding equipment | |
| kiln, caldron | | | 1 | | | | | 2 | | | | | 1 | 1 | | 1 | | 1 | | 1 | 2 | 1 | 11 | kiln, caldron | |
| industrial dryer | | | | | | | | | | | | | | | | | | | | | | | | industrial dryer | |
| other kiln, caldron | | | | | | | | | | | | | 1 | | | | | | | | 1 | | 2 | other kiln, caldron | |
| transmission | | | 1 | | 2 | | 1 | 2 | 3 | 3 | 4 | 2 | 3 | 2 | 6 | 4 | | | 4 | 6 | 1 | 1 | 3 | 48 | transmission |
| electric power facilities | | | 1 | | 2 | | | 1 | 1 | | 2 | 2 | 4 | 3 | | | | 2 | 2 | | 2 | 2 | | 24 | electric power facilities |
| other electrical equipment | | | 2 | | 3 | | 1 | 3 | 1 | 2 | 1 | 2 | | 1 | 3 | | | 2 | 1 | 1 | 1 | 3 | 1 | 28 | other electrical equipment |
| human power cranes | | | | | 2 | | 1 | | 1 | 1 | 2 | | 3 | 1 | 1 | 2 | | 1 | 2 | 1 | | 7 | 1 | 26 | human power cranes |
| human power hauling equipment | | | 6 | | 2 | | 2 | 4 | 4 | 4 | 5 | 5 | 8 | 2 | 2 | 2 | 5 | 6 | | 2 | 3 | 1 | 5 | 68 | human power hauling equipment |
| human power machine | | | 2 | | 1 | | | | 2 | 1 | | 1 | | 2 | 1 | 2 | | | | 1 | | | 1 | 14 | human power machine |
| hand tool | | | 54 | | 40 | | 43 | 32 | 30 | 26 | 18 | 33 | 24 | 31 | 34 | 28 | 25 | 25 | 21 | 23 | 22 | 16 | 25 | 550 | hand tool |
| ladder | | | 200 | | 171 | | 148 | 167 | 160 | 114 | 135 | 137 | 137 | 117 | 129 | 151 | 146 | 138 | 111 | 101 | 119 | 129 | 154 | 2,664 | ladder |
| slinging tool | | | 4 | | 4 | | 4 | 4 | 4 | 5 | 3 | 4 | | 1 | 3 | 2 | 4 | 5 | 3 | 1 | 2 | 2 | 4 | 59 | slinging tool |
| other tools | | | 15 | | 26 | | 14 | 21 | 16 | 18 | 14 | 12 | 6 | 8 | 10 | 9 | 9 | 11 | 13 | 17 | 4 | 18 | 5 | 246 | other tools |
| other equipment, facilities | | | 25 | | 20 | | 21 | 22 | 16 | 14 | 11 | 17 | 18 | 19 | 16 | 14 | 29 | 23 | 11 | 10 | 17 | 20 | 24 | 347 | other equipment, facilities |
| scaffolding | | | 76 | | 54 | | 52 | 64 | 46 | 41 | 25 | 33 | 52 | 33 | 44 | 39 | 39 | 31 | 29 | 24 | 39 | 23 | 29 | 773 | scaffolding |
| timbering | | | 1 | | 2 | | 2 | 1 | 2 | 1 | | | 1 | 1 | 1 | 1 | | 1 | | 1 | 1 | | 2 | 18 | timbering |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--|----|--|----|--|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|---|
| stairs, landing stage | | | 37 | | 33 | | 26 | 24 | 27 | 26 | 26 | 21 | 21 | 26 | 22 | 23 | 24 | 23 | 23 | 17 | 31 | 39 | 21 | 490 | stairs, landing stage |
| opening | | | 16 | | 10 | | 11 | 12 | 11 | 8 | 8 | 3 | 11 | 9 | 6 | 6 | 5 | 5 | 2 | 6 | 5 | 8 | 5 | 147 | opening |
| roof, beam, haze, crossbeam, principal rafter | | | 67 | | 56 | | 46 | 42 | 33 | 29 | 34 | 50 | 38 | 35 | 38 | 32 | 37 | 31 | 24 | 25 | 24 | 27 | 25 | 693 | roof, beam, haze, crossbeam, principal rafter |
| working platform, boot board | | | 24 | | 33 | | 15 | 22 | 19 | 18 | 17 | 15 | 10 | 14 | 14 | 22 | 15 | 24 | 18 | 13 | 17 | 20 | 18 | 348 | working platform, boot board |
| passage | | | 34 | | 40 | | 37 | 36 | 35 | 26 | 32 | 37 | 31 | 41 | 33 | 31 | 24 | 30 | 32 | 42 | 44 | 42 | 40 | 667 | passage |
| building, establishment | | | 58 | | 48 | | 42 | 44 | 30 | 33 | 33 | 29 | 32 | 35 | 23 | 21 | 36 | 28 | 23 | 27 | 24 | 26 | 33 | 625 | building, establishment |
| other temporary buildings, establishments | | | 20 | | 23 | | 19 | 21 | 23 | 11 | 10 | 12 | 12 | 21 | 16 | 19 | 17 | 17 | 12 | 13 | 13 | 13 | 17 | 309 | other temporary buildings, establishments |
| explosive substance | | | | | 1 | | | | | | | | | | | | | | | | | | | 1 | explosive substance |
| inflammable substance | | | 3 | | 3 | | 3 | 5 | 3 | 2 | 2 | 2 | | 2 | 2 | | 1 | 1 | 1 | 1 | 2 | | | 33 | inflammable substance |
| inflammable gas | | | 5 | | 3 | | 1 | 2 | 2 | 2 | 1 | 3 | 3 | 3 | 4 | 1 | | 3 | 1 | | 1 | | 1 | 36 | inflammable gas |
| harmful substance | | | 3 | | 5 | | 7 | 2 | 6 | 3 | 2 | 5 | 7 | 1 | 1 | 2 | 3 | 5 | 2 | 3 | 6 | 1 | 3 | 67 | harmful substance |
| radiation | | | | | | | | | | | | | | | | | | | | | | | | | radiation |
| other hazards, harmful substances | | | 3 | | 6 | | 2 | 4 | 3 | 2 | 3 | | 1 | | 5 | 1 | | 8 | 4 | 3 | 2 | 7 | 3 | 57 | other hazards, harmful substances |
| metal material | | | 84 | | 83 | | 66 | 79 | 66 | 52 | 40 | 40 | 48 | 45 | 48 | 56 | 47 | 30 | 36 | 34 | 47 | 29 | 33 | 963 | metal material |
| lumber, bamboo | | | 17 | | 11 | | 10 | 13 | 16 | 10 | 6 | 8 | 9 | 8 | 14 | 12 | 3 | 8 | 7 | 6 | 8 | 8 | 7 | 181 | lumber, bamboo |
| stone, sand, | | | 11 | | 10 | | 9 | 5 | 11 | 5 | 5 | 4 | 4 | 5 | 2 | 3 | 4 | 5 | 3 | 2 | 3 | 5 | 4 | 100 | stone, sand, |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--|-------|--|-------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|---|-----------|
| substance | | | | | | | | | | | | | | | | | | | | | | | | | | substance |
| other materials | | | 29 | | 24 | | 25 | 13 | 16 | 14 | 9 | 11 | 23 | 12 | 15 | 9 | 17 | 10 | 7 | 15 | 20 | 9 | 15 | 293 | other materials | |
| load | | | 45 | | 34 | | 22 | 23 | 26 | 14 | 13 | 15 | 21 | 16 | 25 | 23 | 23 | 14 | 14 | 8 | 22 | 18 | 13 | 389 | load | |
| machine/equipment as load | | | 15 | | 17 | | 12 | 10 | 9 | 13 | 11 | 14 | 4 | 9 | 19 | 8 | 13 | 1 | 6 | 5 | 8 | 7 | 10 | 191 | machine/equipment as load | |
| natural ground, rock | | | 12 | | 7 | | 11 | 8 | 7 | 8 | 4 | 3 | 9 | 5 | 7 | 3 | 8 | 5 | | 4 | 9 | 9 | 2 | 121 | natural ground, rock | |
| standing tree | | | 4 | | 1 | | 1 | 1 | 2 | | 2 | 3 | 1 | 2 | 3 | 1 | 3 | | 1 | 3 | 3 | 2 | 1 | 34 | standing tree | |
| water | | | | | 1 | | 1 | 3 | | 1 | | 2 | 13 | | | | 1 | | | 1 | | | | 23 | water | |
| abnormal environment | | | | | 1 | | 1 | | 1 | | | | 1 | | | | | 3 | | | | | | 7 | abnormal environment | |
| high/cold temperature environment | | | 9 | | 5 | | 2 | 2 | 4 | 1 | 1 | 3 | 5 | 4 | 12 | 6 | 3 | 2 | 5 | 13 | 8 | 6 | 5 | 96 | high/cold temperature environment | |
| other environments | | | 12 | | 9 | | 6 | 13 | 2 | 10 | 3 | 8 | 6 | 8 | 11 | 10 | 9 | 4 | 11 | 9 | 2 | 4 | 3 | 140 | other environments | |
| other causal agent | | | 7 | | 6 | | 1 | 7 | 3 | 5 | 3 | 5 | 6 | 3 | 1 | 3 | 7 | 5 | 5 | 3 | 2 | 10 | 115 | 197 | other causal agent | |
| no causal agent | | | 26 | | 27 | | 20 | 24 | 14 | 17 | 22 | 23 | 20 | 16 | 13 | 14 | 12 | 11 | 15 | 20 | 17 | 24 | 23 | 358 | no causal agent | |
| unclassifiable | | | | | 2 | | 2 | 3 | 4 | 1 | 1 | 1 | 1 | | 1 | 2 | 2 | | | 1 | | | | 21 | unclassifiable | |
| total | | | 1,261 | | 1,134 | | 960 | 956 | 881 | 751 | 669 | 769 | 779 | 709 | 778 | 730 | 768 | 690 | 620 | 628 | 682 | 697 | 828 | 15,290 | total | |

Workers age of fatal and non-fatal accidents in building facility construction work 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 | 37 | 41 | 48 | 32 | 25 | 31 | 22 | 19 | 23 | 15 | 14 | 21 | 21 | 22 | 19 | 27 | 24 | 13 | 16 | 18 | 7 | 14 | 12 | 521 | 19 years old or |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------|----|-----|-----|--|-----|--|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|-----------|
| Fukushima | 22 | 26 | 24 | | 28 | | 21 | 26 | 14 | 13 | 20 | 11 | 18 | 22 | 20 | 19 | 16 | 20 | 21 | 14 | 11 | 16 | 16 | 398 | Fukushima |
| Ibaraki | 16 | 22 | 30 | | 24 | | 18 | 19 | 14 | 7 | 12 | 8 | 20 | 15 | 8 | 26 | 18 | 15 | 10 | 9 | 11 | 20 | 53 | 375 | Ibaraki |
| Tochigi | 12 | 7 | 12 | | 11 | | 12 | 11 | 9 | 11 | 12 | 10 | 19 | 22 | 22 | 11 | 15 | 13 | 9 | 5 | 9 | 5 | 9 | 246 | Tochigi |
| Gunma | 31 | 19 | 38 | | 17 | | 17 | 15 | 11 | 17 | 9 | 13 | 12 | 23 | 14 | 19 | 19 | 9 | 13 | 15 | 9 | 12 | 24 | 356 | Gunma |
| Saitama | 58 | 59 | 52 | | 68 | | 64 | 42 | 56 | 35 | 45 | 49 | 41 | 60 | 61 | 48 | 40 | 32 | 37 | 28 | 34 | 24 | 36 | 969 | Saitama |
| Chiba | 46 | 57 | 49 | | 24 | | 46 | 53 | 42 | 39 | 44 | 22 | 48 | 27 | 28 | 27 | 20 | 36 | 43 | 23 | 20 | 27 | 32 | 753 | Chiba |
| Tokyo | 85 | 113 | 94 | | 144 | | 114 | 70 | 82 | 77 | 49 | 81 | 69 | 62 | 80 | 77 | 53 | 62 | 52 | 67 | 81 | 58 | 72 | 1,642 | Tokyo |
| Kanagawa | 99 | 90 | 94 | | 75 | | 48 | 57 | 58 | 59 | 47 | 51 | 49 | 38 | 54 | 41 | 52 | 39 | 28 | 30 | 38 | 50 | 52 | 1,149 | Kanagawa |
| Niigata | 17 | 21 | 41 | | 18 | | 21 | 20 | 21 | 25 | 19 | 29 | 25 | 23 | 24 | 18 | 20 | 20 | 26 | 22 | 26 | 20 | 27 | 483 | Niigata |
| Toyama | 13 | 8 | 20 | | 9 | | 11 | 6 | 7 | 6 | 5 | 12 | 9 | 10 | 11 | 12 | 22 | 5 | 9 | 3 | 13 | 17 | 18 | 226 | Toyama |
| Ishikawa | 6 | 6 | 9 | | 2 | | 5 | 5 | 4 | 3 | 10 | 10 | 4 | 14 | 9 | 4 | 11 | 6 | 8 | 10 | 5 | 7 | 8 | 146 | Ishikawa |
| Fukui | 10 | 8 | 20 | | 6 | | 10 | 12 | 11 | 5 | 8 | 5 | 2 | 6 | 1 | 1 | 6 | | 3 | 8 | 5 | 6 | 8 | 141 | Fukui |
| Yamanashi | 6 | 4 | 10 | | 3 | | 4 | 4 | 1 | | 2 | | 1 | 2 | 6 | 3 | 3 | 4 | | 1 | 4 | 1 | 3 | 62 | Yamanashi |
| Nagano | 29 | 28 | 25 | | 22 | | 20 | 27 | 24 | 16 | 14 | 18 | 24 | 16 | 15 | 15 | 20 | 15 | 14 | 13 | 15 | 21 | 8 | 399 | Nagano |
| Gifu | 20 | 23 | 30 | | 19 | | 21 | 27 | 24 | 7 | 12 | 9 | 7 | 11 | 10 | 6 | 11 | 11 | 12 | 8 | 11 | 13 | 7 | 299 | Gifu |
| Shizuoka | 64 | 50 | 43 | | 48 | | 26 | 39 | 35 | 24 | 14 | 30 | 30 | 34 | 31 | 23 | 18 | 30 | 26 | 22 | 23 | 28 | 33 | 671 | Shizuoka |
| Aichi | 53 | 43 | 42 | | 39 | | 28 | 45 | 24 | 37 | 23 | 34 | 33 | 18 | 20 | 24 | 40 | 31 | 31 | 36 | 36 | 27 | 36 | 700 | Aichi |
| Mie | 22 | 16 | 15 | | 25 | | 6 | 17 | 9 | 8 | 9 | 13 | 10 | 9 | 11 | 16 | 14 | 23 | 12 | 13 | 10 | 8 | 9 | 275 | Mie |
| Shiga | 7 | 20 | 10 | | 10 | | 5 | 10 | 4 | 2 | 4 | 5 | 5 | 3 | 5 | 1 | 3 | 2 | 4 | 5 | 4 | 7 | 3 | 119 | Shiga |
| Kyoto | 16 | 14 | 30 | | 35 | | 15 | 22 | 35 | 19 | 9 | 16 | 18 | 21 | 18 | 13 | 15 | 13 | 14 | 17 | 12 | 13 | 18 | 383 | Kyoto |
| Osaka | 91 | 103 | 111 | | 54 | | 28 | 46 | 32 | 29 | 38 | 43 | 38 | 26 | 27 | 15 | 24 | 24 | 16 | 22 | 16 | 17 | 17 | 817 | Osaka |
| Hyogo | 47 | 59 | 39 | | 42 | | 20 | 33 | 26 | 14 | 19 | 38 | 17 | 18 | 26 | 31 | 25 | 31 | 17 | 19 | 16 | 29 | 22 | 588 | Hyogo |
| Nara | 4 | 5 | 4 | | 12 | | 9 | 7 | 6 | 4 | 5 | 5 | | 1 | 3 | 6 | 4 | 5 | 1 | | 5 | 1 | 6 | 93 | Nara |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------|-------|-------|-------|--|-------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|-----------|
| Wakayama | 18 | 13 | 21 | | 21 | | 20 | 17 | 13 | 14 | 10 | 14 | 22 | 11 | 9 | 8 | 13 | 15 | 10 | 6 | 9 | 10 | 13 | 287 | Wakayama |
| Tottori | 3 | 3 | 4 | | 6 | | 3 | 1 | 3 | 3 | 3 | 3 | 2 | 1 | 2 | 4 | 5 | 4 | 3 | 5 | 4 | 7 | 2 | 71 | Tottori |
| Shimane | 6 | 6 | 4 | | 5 | | 5 | 1 | 1 | 3 | 5 | 1 | 3 | 5 | 5 | | 5 | 6 | 3 | 3 | 5 | 3 | 7 | 82 | Shimane |
| Okayama | 16 | 24 | 16 | | 24 | | 17 | 7 | 12 | 10 | 8 | 4 | 10 | 7 | 5 | 11 | 6 | 2 | 8 | 15 | 12 | 4 | 8 | 226 | Okayama |
| Hiroshima | 26 | 20 | 29 | | 22 | | 24 | 27 | 23 | 17 | 17 | 30 | 16 | 11 | 19 | 8 | 23 | 12 | 11 | 12 | 10 | 18 | 27 | 402 | Hiroshima |
| Yamaguchi | 15 | 22 | 12 | | 23 | | 8 | 20 | 5 | 10 | 4 | 8 | 10 | 5 | 13 | 8 | 7 | 13 | 6 | 12 | 14 | 24 | 15 | 254 | Yamaguchi |
| Tokushima | 6 | 11 | 9 | | 17 | | 17 | 9 | 12 | 13 | 6 | 22 | 12 | 8 | 8 | 6 | 10 | 2 | 2 | 6 | 10 | 6 | 2 | 194 | Tokushima |
| Kagawa | 9 | 7 | 8 | | 11 | | 15 | 10 | 19 | 14 | 5 | 11 | 2 | 2 | 11 | 4 | 3 | 3 | 4 | 10 | 7 | 8 | 6 | 169 | Kagawa |
| Ehime | 10 | 5 | 6 | | 6 | | 7 | 7 | 10 | 5 | 5 | 8 | 5 | 11 | 14 | 13 | 13 | 4 | 7 | 8 | 4 | 4 | 10 | 162 | Ehime |
| Kochi | 17 | 7 | 13 | | 5 | | 7 | 10 | 8 | 6 | 5 | 4 | 1 | 5 | 4 | 3 | 4 | 5 | 4 | 1 | 4 | 13 | 5 | 131 | Kochi |
| Fukuoka | 60 | 54 | 52 | | 47 | | 83 | 42 | 47 | 48 | 46 | 30 | 34 | 38 | 30 | 35 | 34 | 21 | 25 | 19 | 15 | 14 | 37 | 811 | Fukuoka |
| Saga | 7 | 9 | 9 | | 10 | | 12 | 5 | 10 | 9 | 4 | 6 | 6 | 8 | 6 | 9 | 4 | 3 | 6 | 2 | 5 | 7 | 6 | 143 | Saga |
| Nagasaki | 10 | 9 | 11 | | 18 | | 9 | 11 | 11 | 2 | 3 | 6 | 8 | 5 | 4 | 7 | 10 | 4 | 9 | 9 | 12 | 9 | 7 | 174 | Nagasaki |
| Kumamoto | 8 | 12 | 4 | | 16 | | 13 | 11 | 19 | 12 | 9 | 13 | 8 | 10 | 16 | 18 | 11 | 15 | 15 | 9 | 14 | 13 | 16 | 262 | Kumamoto |
| Oita | 37 | 48 | 14 | | 18 | | 17 | 11 | 7 | 7 | 15 | 10 | 7 | 5 | 10 | 3 | 12 | 11 | 1 | 2 | 9 | 9 | 7 | 260 | Oita |
| Miyazaki | 12 | 4 | 4 | | 12 | | 6 | 19 | 11 | 6 | 3 | 7 | 9 | 8 | 5 | 10 | 9 | 2 | 4 | 9 | 8 | 6 | 10 | 164 | Miyazaki |
| Kagoshima | 11 | 4 | 7 | | 15 | | 9 | 3 | 12 | 9 | 17 | 6 | 12 | 8 | 7 | 12 | 19 | 14 | 9 | 7 | 17 | 14 | 15 | 227 | Kagoshima |
| Okinawa | 2 | 5 | 4 | | 1 | | 1 | 3 | 6 | 6 | 4 | 3 | 10 | 5 | 11 | 15 | 6 | 15 | 13 | 14 | 17 | 10 | 12 | 163 | Okinawa |
| total | 1,192 | 1,201 | 1,261 | | 1,134 | | 960 | 956 | 881 | 751 | 669 | 769 | 779 | 709 | 778 | 730 | 768 | 690 | 620 | 628 | 682 | 697 | 828 | 17,683 | 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)

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|----|----|----|----|----|----|---|----|----|----|---|----|----|---|----|----|----|----|---|----|---|---|----|-----|---|------------------------|
| machine | | 3 | 1 | | | 1 | | 1 | 1 | | | | 1 | 2 | | | | 1 | | | | 2 | | 13 | machine | |
| crane, conveying machine | 1 | 4 | 6 | 5 | 1 | 5 | 4 | 2 | 3 | 5 | 1 | 2 | 10 | 2 | 1 | 1 | 4 | 3 | 5 | 2 | 1 | 3 | 2 | 73 | crane, conveying machine | |
| other equipment | 4 | 5 | 2 | 3 | 1 | | 2 | 1 | 2 | 3 | | 4 | | | 4 | 4 | 1 | 3 | | 2 | 1 | 1 | 5 | 48 | other equipment | |
| temporary buildings, establishments | 5 | 5 | 7 | 5 | 7 | 8 | 3 | 5 | 4 | 5 | 5 | 4 | 5 | 3 | 5 | 2 | 3 | 3 | 3 | 5 | 4 | | 5 | 101 | temporary buildings, establishments | |
| substance, material | | | | | | 1 | | | | | | 2 | 1 | 1 | | 1 | | | | | | 2 | | 1 | 9 | substance, material |
| load | | | | | | | | | | | | | | | | | 1 | | | | | | | 1 | load | |
| environment | 1 | 1 | | 1 | 1 | | | 1 | | | 1 | | 14 | 1 | 1 | 2 | | 1 | | 2 | | 1 | | 28 | environment | |
| others | | | | | | 1 | | | | 1 | | | | | 1 | 2 | 2 | | 1 | | | | 3 | 11 | others | |
| total | 11 | 18 | 16 | 14 | 10 | 16 | 9 | 10 | 10 | 14 | 9 | 11 | 31 | 8 | 13 | 11 | 11 | 11 | 9 | 11 | 8 | 7 | 16 | 284 | total | |

Causal agents (middle) of fatal accidents in building facility construction work 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 | | | | | | | | | | | | | | | | | | | | | | | | | | power transmission mechanism |
| | | | | | | | | | | | | | | | | | | | | | | | | | | woodworking |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----------------------------|
| woodworking machine | | | | | | | | | | | | | | | | | | | | | | | | | machine |
| construction machine | | 3 | 1 | | | 1 | | 1 | 1 | | | | 2 | | | | | 1 | | | | 1 | | 11 | construction machine |
| metal manufacturing machine | | | | | | | | | | | | | 1 | | | | | | | | | | | 1 | metal manufacturing machine |
| general machine | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | general machine |
| mobile silviculture machine | | | | | | | | | | | | | | | | | | | | | | | | | mobile silviculture machine |
| crane | | 1 | 1 | | | | 1 | | | 1 | | | 2 | 1 | | | 1 | | | | | | | 8 | crane |
| conveying machine | | 1 | 2 | 1 | | | 1 | 1 | 2 | 2 | 1 | 1 | 2 | | 1 | 1 | 1 | | 1 | 1 | | 1 | 2 | 22 | conveying machine |
| vehicle | 1 | 2 | 3 | 4 | 1 | 5 | 2 | 1 | 1 | 2 | | 1 | 6 | 1 | | | 2 | 3 | 4 | 1 | 1 | 2 | | 43 | vehicle |
| pressure vessel | | | | | | | | | | | | | | | | | | | | | | | | | pressure vessel |
| chemical facilities | | | | | | | | | | | 1 | | | | | | | | | | | | | 1 | chemical facilities |
| welding equipment | | | | | | | | | | | 1 | | 1 | | | | | | | | 1 | | | 3 | welding equipment |
| kiln, caldron | | | | | | | | | | | | | | | | | | | | | | | | | kiln, caldron |
| electric equipment | 1 | 1 | | | | | | 1 | 1 | | | | | | 2 | 2 | | | | 1 | | 1 | 1 | 11 | electric equipment |
| human power machine, | | 1 | | | | | | | | | | | | | | | | | | | | | 1 | 2 | human power |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|---|---|--|--|---|---|--|--|--|--|--|---|--|--|--|---|--|--|--|--|--|--|---|---|
| engine | | | | | | | | | | | | | | | | | | | | | | | | | engine |
| power transmission mechanism | | | | | | | | | | | | | | | | | | | | | | | | | 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 |
| chamfering machine, router, woodworking milling machine | | | | | | | | | | | | | | | | | | | | | | | | | chamfering machine, router, woodworking milling machine |
| chain saw | | | | | | | | | | | | | | | | | | | | | | | | | chain saw |
| other woodworking machines | | | | | | | | | | | | | | | | | | | | | | | | | other woodworking machines |
| leveling, transporting or loading machine | | | | | | | | | | | | | | | | | | | | | | | | | leveling, transporting or loading machine |
| excavating machine | | 1 | 1 | | | | 1 | | | | | | 1 | | | | 1 | | | | | | | 5 | excavating machine |
| foundation work machine | | | | | | 1 | | | | | | | | | | | | | | | | | | 1 | foundation work machine |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|----|-------------|---|
| scaffolding | | 1 | 2 | 2 | 1 | 4 | 2 | 2 | | 1 | 2 | 2 | 1 | | 3 | | | | 1 | | 2 | | | 26 | scaffolding | |
| timbering | | | | | | | | | | | | | | | | | | | | | | | | | | timbering |
| stairs, landing stage | | | 1 | | | 1 | | | 1 | 1 | | | | | | | | | 1 | | | | | 1 | 6 | stairs, landing stage |
| opening | | 4 | 1 | 1 | | 1 | | | 1 | | | | | | | | | | 1 | | | | | | 9 | opening |
| roof, beam, haze, crossbeam, principal rafter | 2 | | 2 | 1 | 3 | 1 | 1 | 1 | | 1 | 1 | 2 | 1 | 2 | | 1 | 2 | 1 | 1 | 3 | 1 | | | 1 | 28 | roof, beam, haze, crossbeam, principal rafter |
| working platform, boot board | | | | | | | | 1 | | 1 | 1 | | | | 1 | | | | | | 1 | | | | 5 | working platform, boot board |
| passage | | | | | | | | | | | | | 1 | | | | | | | | 1 | | | | 2 | passage |
| building, establishment | 3 | | | 1 | 1 | 1 | | 1 | 2 | 1 | | | 2 | 1 | | 1 | | | 1 | 1 | | | | 2 | 18 | building, establishment |
| other temporary buildings, establishments | | | 1 | | 2 | | | | | | 1 | | | | 1 | | 1 | | | | | | | 1 | 7 | other temporary buildings, establishments |
| explosive substance | | | | | | | | | | | | | | | | | | | | | | | | | | explosive substance |
| inflammable substance | | | | | | | | | | | 1 | | | | | | | | | | | | | | 1 | inflammable substance |
| inflammable gas | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | | 2 | inflammable gas |
| harmful substance | | | | | | | | | | | | | 1 | | | | | | | | | | | | 1 | harmful substance |
| radiation | | | | | | | | | | | | | | | | | | | | | | | | | | radiation |
| other hazards, harmful substances | | | | | | 1 | | | | | | | | | | | | | | | | | | | 1 | other hazards, harmful substances |
| metal material | | | | | | | | | | | | | | | 1 | | | | | | 1 | | | | 2 | metal material |

| 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 | 2 | | | 1 | | | | | 1 | | | | | 1 | | | | 1 | | | 1 | | 8 | 19 years old or less |
| 20-29 | 2 | 4 | 4 | 3 | 1 | 3 | 1 | 2 | 1 | | 1 | 2 | | 2 | 2 | 3 | 2 | 2 | 4 | | 1 | | 1 | 41 | 20-29 |
| 30-39 | | 3 | 4 | 1 | | 3 | 2 | 1 | 2 | 2 | 2 | 1 | 9 | 4 | 3 | 2 | 1 | 3 | | 1 | 1 | 2 | 3 | 50 | 30-39 |
| 40-49 | 4 | | 1 | 3 | 4 | 2 | 1 | 2 | 1 | 4 | 2 | 1 | 6 | | 2 | 1 | 4 | 3 | 3 | 4 | 2 | 1 | 3 | 54 | 40-49 |
| 50-59 | 3 | 6 | 3 | 3 | 3 | 5 | 2 | 4 | 4 | | 3 | 5 | 9 | 2 | 1 | 2 | 3 | 3 | | 3 | 3 | | 2 | 69 | 50-59 |
| 60 years old or more | 1 | 3 | 4 | 4 | 1 | 3 | 3 | 1 | 2 | 7 | 1 | 2 | 7 | | 4 | 3 | 1 | | 1 | 3 | 1 | 3 | 7 | 62 | 60 years old or more |
| total | 11 | 18 | 16 | 14 | 10 | 16 | 9 | 10 | 10 | 14 | 9 | 11 | 31 | 8 | 13 | 11 | 11 | 11 | 9 | 11 | 8 | 7 | 16 | 284 | total |

Workers' number of workplace of fatal accidents in building facility construction work 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 | 3 | 9 | 8 | 9 | 8 | 9 | 7 | 7 | 5 | 12 | 6 | 9 | 22 | 6 | 7 | 7 | 7 | 7 | 8 | 9 | 5 | 6 | 11 | 187 | 9 workers or less |
| 10-29 | 8 | 7 | 7 | 3 | 1 | 4 | 2 | 2 | 3 | 1 | 2 | 1 | 8 | 2 | 3 | 3 | 2 | 2 | 1 | 2 | 3 | 1 | 5 | 73 | 10-29 |
| 30-49 | | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | | | 1 | | | | 1 | | 2 | | | | | | 11 | 30-49 |
| 50-99 | | | | | | 1 | | | 1 | | 1 | | 1 | | | | 2 | | | | | | | 6 | 50-99 |
| 100-299 | | 1 | | | | 1 | | | | 1 | | | | | 2 | | | | | | | | | 5 | 100-299 |
| 300 workers or more | | | | 1 | | | | | | | | | | | 1 | | | | | | | | | 2 | 300 workers or more |
| total | 11 | 18 | 16 | 14 | 10 | 16 | 9 | 10 | 10 | 14 | 9 | 11 | 31 | 8 | 13 | 11 | 11 | 11 | 9 | 11 | 8 | 7 | 16 | 284 | total |

Month of fatal accidents in building facility construction work 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 | 1 | 2 | | | 3 | 1 | 1 | 2 | 1 | 1 | | 2 | | 1 | | | | 1 | 2 | | | 1 | 20 | January |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------|----|----|----|----|----|----|---|----|----|----|---|----|----|---|----|----|----|----|---|----|---|---|----|-----|-----------|
| February | | | 2 | | 1 | | 2 | 2 | 1 | | 1 | | 3 | 1 | 2 | 3 | | | 2 | | 3 | 1 | | 24 | February |
| March | 2 | 4 | 1 | 2 | | 1 | 1 | 3 | 1 | 3 | 1 | | 14 | | 1 | 3 | 1 | | | | 2 | | 2 | 42 | March |
| April | | | 1 | 2 | 2 | | | | 1 | 1 | 1 | | 1 | | | 1 | 1 | 2 | | 1 | | | 2 | 16 | April |
| May | | | | 2 | 1 | | | | 3 | | | 2 | 2 | | 1 | | 1 | | | | 1 | 1 | 1 | 15 | May |
| June | 1 | 1 | 2 | 1 | | 1 | 1 | | 1 | 2 | 1 | | 2 | 1 | 1 | 2 | 1 | 1 | | | 1 | | | 20 | June |
| July | 2 | 2 | 1 | | 2 | 2 | | 1 | | 2 | 1 | | | 2 | 1 | | 2 | 1 | 1 | 1 | | | 4 | 25 | July |
| August | 1 | 2 | 2 | 3 | 1 | 3 | | 1 | | 2 | | 3 | 1 | 1 | 1 | 1 | 2 | 4 | | 3 | | 3 | 3 | 37 | August |
| September | 1 | | 2 | 1 | | 3 | | | | 2 | | | 1 | 1 | | | | 2 | 1 | 2 | | 1 | 2 | 19 | September |
| October | 1 | 3 | 1 | 1 | 1 | 2 | | | | | 2 | 2 | 1 | | 2 | 1 | 1 | | | 1 | 1 | | | 20 | October |
| November | | 3 | 2 | 1 | 2 | | 2 | 2 | 1 | | 1 | 2 | 1 | 2 | 1 | | | 1 | 4 | | | 1 | 1 | 27 | November |
| December | 2 | 2 | | 1 | | 1 | 2 | | | 1 | | 2 | 3 | | 2 | | 2 | | | 1 | | | | 19 | December |
| total | 11 | 18 | 16 | 14 | 10 | 16 | 9 | 10 | 10 | 14 | 9 | 11 | 31 | 8 | 13 | 11 | 11 | 11 | 9 | 11 | 8 | 7 | 16 | 284 | total |

Prefecture of fatal accidents in building facility construction work 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 | | 3 | | 1 | | 1 | | | 1 | 1 | | 1 | | 1 | | | 2 | 1 | | | 1 | | | 13 | Hokkaido | |
| Aomori | | | | | | | | | | | | 1 | | | | 1 | 1 | | | | | | | 3 | Aomori | |
| Iwate | | 1 | 1 | | | | | | | | | | 3 | 1 | | | | | | | | | | 6 | Iwate | |
| Miyagi | | 1 | | | | | | | | | | | 11 | | 1 | 1 | | | 1 | 1 | | | 1 | 17 | Miyagi | |
| Akita | | | | | | | | | | | | | | | | | | | | | | | | | | Akita |
| Yamagata | | | 1 | 2 | | | | | | 1 | | | | | | | | | | | | | | 4 | Yamagata | |
| Fukushima | | 1 | | | | | | | | 1 | | | 3 | | | 1 | 1 | | | 1 | | 1 | | 9 | Fukushima | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------|----|----|----|----|----|----|---|----|----|----|---|----|----|---|----|----|----|----|---|----|---|---|----|-----------|-------|
| Tottori | | 1 | | 1 | | | | | | 1 | | | | | | | | | | | 1 | | 4 | Tottori | |
| Shimane | | | | | | | | | | | | 1 | | 1 | | | | | | | | | 3 | Shimane | |
| Okayama | | | | | | | | | | | | | | | | | | | | | | | | Okayama | |
| Hiroshima | | | | | | 1 | | | | 1 | | 1 | | 1 | | 1 | | | | | | 1 | 6 | Hiroshima | |
| Yamaguchi | | 2 | | | 1 | | | 1 | | | | | | | 1 | | | | | | | 1 | 6 | Yamaguchi | |
| Tokushima | | 1 | | | | 1 | 1 | | 1 | | | | | | 1 | | | | | | | | 5 | Tokushima | |
| Kagawa | | | | | | | | | | 1 | | 1 | | | | | | | | | | | 2 | Kagawa | |
| Ehime | | | | | | | | | | | | | | | | | 1 | | | | | | 1 | Ehime | |
| Kochi | | | | | | | | | | | | | 1 | | | | | | | | | | 1 | Kochi | |
| Fukuoka | 1 | 2 | 1 | | | | | 2 | | 1 | 2 | | | | | | | | | | | 1 | 10 | Fukuoka | |
| Saga | 1 | | 1 | | | | 1 | | | | | | | 1 | | | | | | | | | 4 | Saga | |
| Nagasaki | | | 2 | | | | | | | | | | | | | | | | | | | | 2 | Nagasaki | |
| Kumamoto | | | | | | | | 1 | | | | | 1 | 1 | | | | | 1 | | | | 4 | Kumamoto | |
| Oita | | | | | | | | 1 | | | | | 1 | | | | | | | | | | 3 | Oita | |
| Miyazaki | | | | 1 | | | | | | | | | | | | | | | | | | | 1 | Miyazaki | |
| Kagoshima | | | | | | | | | | | | | 1 | | | | | | | | | | 1 | Kagoshima | |
| Okinawa | | | | 1 | | | | | | | 1 | | | | | | | | | | | | 2 | Okinawa | |
| total | 11 | 18 | 16 | 14 | 10 | 16 | 9 | 10 | 10 | 14 | 9 | 11 | 31 | 8 | 13 | 11 | 11 | 11 | 9 | 11 | 8 | 7 | 16 | 284 | total |

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

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