

Fatal and non-fatal accidents in steel/iron/rolling products in Japan in 1999-2021

steel/iron/rolling products industry Code No.011001

Type of accidents in steel/iron/rolling products 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 | 36 | 32 | 34 | 38 | 33 | 29 | 32 | 29 | 47 | 52 | 24 | 19 | 29 | 30 | 23 | 24 | 27 | 25 | 24 | 29 | 18 | 20 | 26 | 680 | fall from height |
| falling to same level | 19 | 17 | 31 | 25 | 26 | 22 | 18 | 23 | 33 | 25 | 12 | 32 | 15 | 28 | 21 | 18 | 21 | 22 | 24 | 25 | 24 | 29 | 25 | 535 | falling to same level |
| crash | 19 | 14 | 18 | 9 | 6 | 9 | 16 | 13 | 16 | 14 | 10 | 8 | 11 | 10 | 8 | 12 | 9 | 4 | 6 | 17 | 8 | 8 | 13 | 258 | crash |
| struck by flying or falling object | 49 | 46 | 43 | 46 | 38 | 42 | 34 | 38 | 38 | 32 | 25 | 32 | 32 | 25 | 21 | 25 | 20 | 18 | 21 | 33 | 22 | 10 | 26 | 716 | struck by flying or falling object |
| collapse | 16 | 14 | 11 | 15 | 12 | 12 | 11 | 12 | 11 | 12 | 6 | 6 | 15 | 7 | 3 | 4 | 8 | 4 | 8 | 13 | 6 | 2 | 4 | 212 | collapse |
| crashed by | 24 | 26 | 21 | 26 | 22 | 24 | 19 | 29 | 28 | 20 | 10 | 19 | 13 | 15 | 14 | 15 | 11 | 9 | 12 | 19 | 8 | 11 | 14 | 409 | crashed by |
| caught in/between | 103 | 105 | 113 | 91 | 96 | 101 | 91 | 87 | 86 | 92 | 70 | 66 | 60 | 68 | 67 | 67 | 51 | 58 | 70 | 68 | 53 | 41 | 61 | 1,765 | caught in/between |
| cut | 14 | 9 | 10 | 11 | 6 | 9 | 9 | 6 | 13 | 7 | 8 | 5 | 9 | 13 | 5 | 8 | 4 | 1 | 6 | 4 | 5 | 4 | 7 | 173 | cut |
| injury to the sole of the foot | 1 | 1 | | 1 | 1 | 2 | 1 | 1 | | | | | | | | | | | 2 | | | | | 10 | injury to the sole of the foot |
| drown | | | | | 1 | | | | | | | 1 | 5 | | | | | | | | | | | 7 | drown |
| contact to high/low-temperature | 11 | 18 | 28 | 16 | 18 | 25 | 19 | 22 | 15 | 16 | 17 | 19 | 18 | 14 | 21 | 21 | 9 | 19 | 14 | 28 | 13 | 20 | 14 | 415 | contact to high/low-temperature |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|----|-----|------------------------------|--|----------------------------|
| machine | | | | | | | | | | | | | 1 | | | | | | | | | | | 1 | machine |
| food manufacturing machine | | | | | | | | | | | | | | | | | | | | | | | | | food manufacturing machine |
| printing machine | | | 1 | | | | | | | | | | | | | | | | | | | | | 1 | printing machine |
| industrial robot | | | | 1 | | | | | | | | | | | | | | | | | | | | 1 | industrial robot |
| other general power machines | | | 16 | 14 | 10 | 20 | 11 | 11 | 6 | 16 | 9 | 6 | 6 | 13 | 9 | 6 | 13 | 15 | 9 | 5 | 5 | 200 | 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 | | | 29 | 31 | 19 | 21 | 22 | 8 | 13 | 15 | 21 | 18 | 12 | 16 | 11 | 15 | 9 | 27 | 10 | 9 | 16 | 322 | crane | | |
| mobile crane | | | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | | | | 1 | 1 | | | 2 | 15 | mobile crane | | |
| derrick crane | | | | | | | | | | | | | | | | | | | | | | | | derrick crane | |
| elevator, lift | | | | 1 | | 1 | | | | | 1 | | | | | | | | | | | | 3 | 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 | | | 2 | | 2 | | 3 | | 1 | 1 | | | 1 | | | | 1 | | 1 | 1 | | 2 | 15 | other powered crane | |
| truck | | | 8 | | 6 | | 7 | 8 | 9 | 9 | 7 | 7 | 6 | 6 | 6 | 6 | 5 | 4 | 4 | 5 | 1 | 2 | 3 | 109 | truck |
| forklift | | | 3 | | 7 | | 12 | 6 | 8 | 12 | 7 | 4 | 2 | 3 | 3 | 3 | 2 | 4 | 3 | 1 | 6 | 4 | 4 | 94 | forklift |
| railway equipment | | | 2 | | | | 1 | 2 | 3 | | 2 | | 2 | 3 | 2 | | 2 | 1 | | | 1 | | 21 | railway equipment | |
| conveyor | | | 10 | | 9 | | 10 | 8 | 7 | 13 | 10 | 8 | 7 | 9 | 5 | 6 | 5 | 6 | 4 | 7 | 3 | 2 | 1 | 130 | conveyor |
| loader | | | | | | | | | 1 | | | | | | | | | | 1 | | 1 | 2 | 5 | loader | |
| straddle carrier | | | | | | | | | | | | | | | | | | | | | | | | straddle carrier | |
| rough terrain hauler | | | | | | | | | | | | | | | | | | | | | | | | rough terrain hauler | |
| other powered conveying machines | | | 1 | | 2 | | 1 | 8 | 3 | 4 | 2 | 3 | | 5 | 4 | 2 | 3 | 2 | 4 | 3 | | 1 | 4 | 52 | other powered conveying machines |
| cars, bus, motorcycle | | | 2 | | 4 | | 4 | 7 | 10 | 6 | 4 | 4 | 6 | 3 | 1 | 2 | 5 | 6 | 3 | 5 | 1 | 2 | 1 | 76 | cars, bus, motorcycle |
| railway vehicle | | | 1 | | | | | | | | | | | | 1 | | | 1 | | | | 1 | 4 | railway vehicle | |
| other vehicles | | | | | | | 1 | | | 1 | | | | 1 | | | | | | | | | | 3 | other vehicles |
| boiler | | | | | | | 1 | | | | | | 1 | | | | | | | 1 | | | | 3 | boiler |
| pressure vessel | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | 2 | pressure vessel |
| other pressure vessels | | | | | | | 1 | | | 1 | | | | | | | | | | | | | | 2 | other pressure vessels |
| chemical facilities | | | | | 2 | | | | | | | | | 2 | | | | | | | | 1 | | 5 | chemical facilities |
| gas welding | | | 4 | | | | 4 | 2 | 3 | 1 | 2 | 1 | 3 | 1 | 1 | 1 | | 1 | | 1 | | 1 | 1 | 27 | gas welding |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--|----|--|----|--|----|----|----|----|---|----|---|----|----|---|----|----|----|----|----|----|----|-----|---|--------------------------------------|
| facilities | | | 9 | | 11 | | 25 | 6 | 4 | 12 | 5 | 12 | 9 | 14 | 11 | 7 | 10 | 8 | 9 | 17 | 7 | 12 | 6 | 194 | facilities | |
| scaffolding | | | | | | | 1 | 2 | 2 | 1 | 1 | | 1 | 1 | 1 | | 1 | | 3 | | | | | 14 | scaffolding | |
| timbering | | | | | | | | | | | | | | | | | | | | | | | | | | timbering |
| stairs, landing stage | | | 3 | | 4 | | 6 | 5 | 7 | 7 | 3 | 3 | 5 | 9 | 5 | 9 | 9 | 5 | 7 | 13 | 2 | 3 | 7 | 112 | stairs, landing stage | |
| opening | | | 3 | | 2 | | 2 | 1 | 4 | 3 | 2 | 2 | 5 | 4 | 1 | 1 | 3 | 2 | 1 | 3 | 1 | 1 | 2 | 43 | opening | |
| roof, beam, haze, crossbeam, principal rafter | | | | | 1 | | 1 | 1 | | | 1 | | | | | 1 | | | | | | 1 | | 7 | roof, beam, haze, crossbeam, principal rafter | |
| working platform, boot board | | | 9 | | 5 | | 3 | 6 | 7 | 8 | 3 | 4 | 5 | 5 | 4 | 8 | 1 | 7 | 2 | 4 | 8 | 5 | 4 | 98 | working platform, boot board | |
| passage | | | 16 | | 6 | | 17 | 12 | 10 | 12 | 8 | 16 | 5 | 9 | 9 | 4 | 12 | 11 | 12 | 10 | 10 | 8 | 17 | 204 | passage | |
| building, establishment | | | 9 | | 5 | | 3 | 4 | 6 | 9 | 2 | 4 | 3 | 3 | 5 | 5 | 3 | | 3 | 8 | 3 | 5 | 7 | 87 | building, establishment | |
| other temporary buildings, establishments | | | 2 | | 2 | | 5 | 5 | 3 | 3 | 3 | 4 | 2 | 6 | 3 | 3 | 2 | 8 | 3 | 4 | 4 | 5 | 3 | 70 | other temporary buildings, establishments | |
| explosive substance | | | | | | | | | | | | | | | | 2 | | 1 | | | | | 2 | 5 | explosive substance | |
| inflammable substance | | | 1 | | 1 | | 1 | 1 | 1 | 1 | 3 | 1 | | | | 1 | 1 | 2 | | | | | 2 | 16 | inflammable substance | |
| inflammable gas | | | 2 | | 1 | | | | 5 | 3 | | | 1 | | 1 | 7 | | | 2 | 1 | | | | 23 | inflammable gas | |
| harmful substance | | | 3 | | 2 | | 4 | 1 | | 4 | 1 | 1 | 1 | | 2 | 2 | 2 | | 3 | | 5 | 1 | 2 | 34 | harmful substance | |
| radiation | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | radiation | |
| other hazards, harmful substances | | | 4 | | 3 | | 1 | 1 | | | 1 | 1 | 1 | | 1 | 2 | | 1 | 1 | 1 | 8 | 2 | 1 | 2 | 31 | other hazards, harmful substances |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|--|--|-----|--|-----|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----------------------------------|
| metal material | | | 63 | | 55 | | 43 | 45 | 64 | 42 | 25 | 36 | 39 | 27 | 19 | 37 | 21 | 18 | 30 | 41 | 21 | 20 | 33 | 679 | metal material |
| lumber, bamboo | | | | | 1 | | 1 | 1 | 1 | 1 | 1 | 2 | 1 | | 2 | 1 | 1 | | 1 | 1 | | 1 | 1 | 17 | lumber, bamboo |
| stone, sand, substance | | | | | | | | 2 | 1 | | | | | | | | | | | 1 | | | | 4 | stone, sand, substance |
| other materials | | | 6 | | 2 | | | 3 | 6 | 1 | 5 | 4 | 2 | 2 | 2 | | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 43 | other materials |
| load | | | 6 | | 8 | | 6 | 11 | 9 | 8 | 3 | 4 | 4 | 6 | 6 | 9 | 5 | 1 | 5 | 2 | 10 | 7 | 7 | 117 | load |
| machine/equipment as load | | | 2 | | 2 | | 2 | | 2 | 4 | 1 | | 1 | | | | 1 | 1 | 3 | 2 | 2 | | 1 | 24 | machine/equipment as load |
| natural ground, rock | | | | | | | | | | | 1 | | | | 1 | | | | | 2 | | | | 4 | natural ground, rock |
| standing tree | | | | | | | | | | | | | | | | | | | | | | | | | standing tree |
| water | | | 1 | | | | | | | | | 1 | 6 | | | | | 1 | | | | | | 9 | water |
| abnormal environment | | | | | | | 1 | 1 | | | | | | 1 | | | | | | 1 | | | | 4 | abnormal environment |
| high/cold temperature environment | | | 2 | | 1 | | 2 | 2 | | 4 | 2 | 3 | 5 | 1 | 2 | 3 | 1 | 4 | 4 | 6 | 4 | 4 | 2 | 52 | high/cold temperature environment |
| other environments | | | 5 | | | | | | 2 | | | 2 | 1 | | 1 | 1 | | | 1 | 1 | | 2 | 1 | 17 | other environments |
| other causal agent | | | 3 | | 7 | | | 1 | 3 | 2 | 1 | 1 | 2 | 3 | | 1 | 2 | | 2 | 5 | 2 | 3 | 37 | 75 | other causal agent |
| no causal agent | | | 2 | | 6 | | 8 | 7 | 4 | 4 | 3 | 4 | 3 | 4 | 6 | 7 | 1 | 4 | 7 | 4 | 5 | 8 | 8 | 95 | no causal agent |
| unclassifiable | | | | | | | | | | | | | | | | 1 | | 1 | | | 2 | | | 4 | unclassifiable |
| total | | | 337 | | 283 | | 283 | 287 | 316 | 301 | 199 | 226 | 227 | 226 | 202 | 219 | 173 | 177 | 207 | 262 | 178 | 171 | 248 | 4,522 | total |

Workers age of fatal and non-fatal accidents in steel/iron/rolling products 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 | 13 | 8 | 9 | 9 | 11 | 11 | 7 | 8 | 13 | 9 | 12 | 6 | 10 | 5 | 3 | 6 | 7 | 4 | 8 | 8 | 6 | 4 | 6 | 183 | 19 years old or less |
| 20-29 | 57 | 54 | 62 | 54 | 47 | 64 | 48 | 51 | 55 | 66 | 45 | 47 | 55 | 57 | 32 | 46 | 37 | 41 | 39 | 51 | 36 | 32 | 45 | 1,121 | 20-29 |
| 30-39 | 50 | 51 | 57 | 50 | 46 | 51 | 56 | 59 | 66 | 58 | 29 | 47 | 51 | 46 | 50 | 53 | 36 | 38 | 55 | 55 | 31 | 34 | 58 | 1,127 | 30-39 |
| 40-49 | 77 | 58 | 57 | 64 | 62 | 61 | 56 | 51 | 51 | 50 | 37 | 32 | 37 | 44 | 36 | 31 | 44 | 44 | 47 | 62 | 50 | 45 | 62 | 1,158 | 40-49 |
| 50-59 | 102 | 108 | 116 | 99 | 92 | 83 | 86 | 89 | 93 | 76 | 56 | 64 | 48 | 41 | 50 | 50 | 30 | 27 | 36 | 56 | 29 | 29 | 51 | 1,511 | 50-59 |
| 60 years old or more | 21 | 26 | 36 | 28 | 25 | 32 | 30 | 29 | 38 | 42 | 20 | 30 | 26 | 33 | 31 | 33 | 19 | 23 | 22 | 30 | 26 | 27 | 26 | 653 | 60 years old or more |
| total | 320 | 305 | 337 | 304 | 283 | 302 | 283 | 287 | 316 | 301 | 199 | 226 | 227 | 226 | 202 | 219 | 173 | 177 | 207 | 262 | 178 | 171 | 248 | 5,753 | total |

Workers' number of workplace of fatal and non-fatal accidents in steel/iron/rolling products 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 | 46 | 48 | 65 | 45 | 49 | 33 | 33 | 40 | 43 | 34 | 23 | 15 | 17 | 19 | 22 | 21 | 18 | 14 | 13 | 24 | 18 | 14 | 16 | 670 | 9 workers or less |
| 10-29 | 65 | 76 | 71 | 47 | 46 | 62 | 53 | 47 | 48 | 56 | 33 | 34 | 37 | 37 | 35 | 26 | 29 | 25 | 28 | 37 | 29 | 29 | 58 | 1,008 | 10-29 |
| 30-49 | 45 | 27 | 44 | 40 | 22 | 40 | 28 | 22 | 39 | 28 | 16 | 19 | 18 | 29 | 13 | 22 | 12 | 24 | 14 | 25 | 16 | 19 | 25 | 587 | 30-49 |
| 50-99 | 25 | 31 | 38 | 48 | 39 | 32 | 19 | 28 | 33 | 37 | 23 | 32 | 35 | 23 | 26 | 29 | 16 | 21 | 31 | 36 | 18 | 19 | 24 | 663 | 50-99 |
| 100-299 | 71 | 63 | 62 | 70 | 67 | 67 | 76 | 76 | 76 | 76 | 56 | 57 | 57 | 66 | 52 | 49 | 52 | 50 | 51 | 73 | 44 | 43 | 78 | 1,432 | 100-299 |
| 300 workers or more | 68 | 60 | 57 | 54 | 60 | 68 | 74 | 74 | 77 | 70 | 48 | 69 | 63 | 52 | 54 | 72 | 46 | 43 | 70 | 67 | 53 | 47 | 47 | 1,393 | 300 workers or more |
| total | 320 | 305 | 337 | 304 | 283 | 302 | 283 | 287 | 316 | 301 | 199 | 226 | 227 | 226 | 202 | 219 | 173 | 177 | 207 | 262 | 178 | 171 | 248 | 5,753 | total |

Month of fatal and non-fatal accidents in steel/iron/rolling products 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 | 24 | 25 | 31 | 20 | 30 | 23 | 25 | 25 | 32 | 27 | 19 | 22 | 15 | 20 | 20 | 12 | 19 | 24 | 16 | 21 | 20 | 16 | 17 | 503 | January |
| February | 28 | 30 | 20 | 22 | 13 | 27 | 24 | 29 | 22 | 22 | 18 | 22 | 21 | 20 | 16 | 19 | 10 | 11 | 16 | 18 | 9 | 19 | 18 | 454 | February |
| March | 28 | 28 | 39 | 24 | 26 | 25 | 17 | 25 | 33 | 23 | 15 | 22 | 25 | 21 | 13 | 17 | 14 | 16 | 13 | 21 | 12 | 14 | 12 | 483 | March |
| April | 25 | 18 | 35 | 29 | 23 | 32 | 19 | 25 | 16 | 40 | 14 | 14 | 21 | 20 | 20 | 18 | 14 | 20 | 14 | 23 | 21 | 17 | 28 | 506 | April |
| May | 22 | 27 | 22 | 26 | 15 | 26 | 27 | 27 | 23 | 26 | 22 | 10 | 17 | 21 | 18 | 21 | 13 | 13 | 24 | 19 | 23 | 10 | 21 | 473 | May |
| June | 25 | 25 | 42 | 23 | 21 | 28 | 27 | 19 | 31 | 30 | 13 | 21 | 20 | 19 | 20 | 14 | 20 | 10 | 15 | 22 | 14 | 10 | 23 | 492 | June |
| July | 32 | 24 | 20 | 22 | 19 | 24 | 24 | 20 | 23 | 23 | 23 | 26 | 20 | 16 | 16 | 19 | 14 | 15 | 17 | 25 | 21 | 21 | 20 | 484 | July |
| August | 31 | 26 | 30 | 32 | 25 | 25 | 26 | 23 | 33 | 20 | 11 | 15 | 17 | 14 | 22 | 17 | 7 | 11 | 17 | 24 | 19 | 19 | 45 | 509 | August |
| September | 23 | 29 | 23 | 27 | 39 | 20 | 34 | 27 | 24 | 24 | 19 | 20 | 25 | 14 | 10 | 26 | 23 | 15 | 21 | 32 | 11 | 15 | 21 | 522 | September |
| October | 23 | 37 | 27 | 25 | 28 | 28 | 21 | 24 | 32 | 14 | 18 | 23 | 18 | 16 | 13 | 23 | 16 | 15 | 15 | 27 | 5 | 9 | 14 | 471 | October |
| November | 29 | 23 | 27 | 23 | 22 | 16 | 23 | 20 | 24 | 28 | 9 | 17 | 14 | 23 | 19 | 16 | 11 | 13 | 16 | 15 | 10 | 15 | 20 | 433 | November |
| December | 30 | 13 | 21 | 31 | 22 | 28 | 16 | 23 | 23 | 24 | 18 | 14 | 14 | 22 | 15 | 17 | 12 | 14 | 23 | 15 | 13 | 6 | 9 | 423 | December |
| total | 320 | 305 | 337 | 304 | 283 | 302 | 283 | 287 | 316 | 301 | 199 | 226 | 227 | 226 | 202 | 219 | 173 | 177 | 207 | 262 | 178 | 171 | 248 | 5,753 | total |

Prefecture of fatal and non-fatal accidents in steel/iron/rolling products 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 | 7 | 2 | 17 | | 9 | | 5 | 9 | 8 | 10 | 9 | 8 | 9 | 9 | 5 | 6 | 8 | 6 | 10 | 15 | 7 | 4 | 7 | 170 | Hokkaido |
| Aomori | 1 | | 4 | | | | 1 | 2 | 9 | 3 | 1 | | | 2 | 1 | 2 | 2 | 1 | 3 | 1 | 1 | 1 | 2 | 37 | Aomori |
| Iwate | 2 | 1 | 3 | | 1 | | | 2 | 1 | 5 | | | 2 | | | 1 | 1 | | | 1 | | | 1 | 21 | Iwate |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------|----|----|----|--|----|--|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----------|
| Miyagi | 2 | 4 | 6 | | 5 | | 4 | 3 | 4 | 7 | 4 | 3 | 7 | 3 | 4 | 4 | 4 | 1 | 7 | 5 | 6 | 3 | 1 | 87 | Miyagi |
| Akita | | | | | 1 | | | 1 | 1 | | | 1 | 1 | | | | | | 1 | 1 | | | | 7 | Akita |
| Yamagata | | 4 | | | | | | 2 | | 1 | | | 1 | | | | | | | | | 1 | | 9 | Yamagata |
| Fukushima | 2 | 3 | 3 | | 2 | | 4 | 1 | 1 | | | | | | 1 | 1 | 1 | 1 | | | | 1 | 2 | 23 | Fukushima |
| Ibaraki | 11 | 10 | 13 | | 10 | | 7 | 8 | 8 | 14 | 6 | 15 | 14 | 8 | 8 | 9 | 14 | 10 | 15 | 12 | 7 | 3 | 11 | 213 | Ibaraki |
| Tochigi | 7 | 4 | 11 | | 6 | | 4 | 3 | 7 | 3 | | 1 | 5 | 6 | 4 | 1 | | 2 | | 3 | 3 | 2 | 3 | 75 | Tochigi |
| Gunma | 4 | 2 | 4 | | 4 | | 8 | 7 | 5 | 12 | 3 | 4 | 1 | 6 | 3 | 5 | 2 | 3 | 3 | 6 | 6 | 1 | 6 | 95 | Gunma |
| Saitama | 15 | 17 | 22 | | 10 | | 12 | 13 | 12 | 8 | 10 | 5 | 1 | 13 | 4 | 4 | 3 | 4 | 4 | 6 | 9 | 5 | 6 | 183 | Saitama |
| Chiba | 17 | 24 | 29 | | 11 | | 21 | 23 | 24 | 15 | 14 | 12 | 13 | 12 | 14 | 11 | 13 | 17 | 11 | 17 | 9 | 13 | 20 | 340 | Chiba |
| Tokyo | 14 | 15 | 13 | | 9 | | 12 | 3 | 6 | 10 | 9 | 5 | 7 | 5 | 4 | 4 | 5 | 2 | 3 | 5 | 5 | 2 | 4 | 142 | Tokyo |
| Kanagawa | 20 | 17 | 12 | | 16 | | 9 | 16 | 7 | 10 | 2 | 8 | 12 | 9 | 3 | 10 | 5 | 3 | 13 | 9 | 6 | 7 | 11 | 205 | Kanagawa |
| Niigata | 7 | 7 | 6 | | 10 | | 13 | 10 | 9 | 19 | 13 | 13 | 19 | 12 | 10 | 10 | 11 | 9 | 14 | 11 | 7 | 4 | 6 | 220 | Niigata |
| Toyama | 11 | 5 | 4 | | 1 | | 2 | 7 | 7 | 8 | 4 | 4 | | 2 | 3 | 3 | 3 | 3 | 4 | 3 | 2 | 6 | 5 | 87 | Toyama |
| Ishikawa | 3 | 3 | 3 | | 2 | | 2 | | 3 | 2 | 1 | 2 | 8 | 4 | 3 | 2 | 3 | 1 | 1 | 5 | | 2 | 4 | 54 | Ishikawa |
| Fukui | 2 | 2 | 3 | | 2 | | 1 | 2 | 2 | 2 | 4 | 1 | 1 | 3 | 1 | 1 | | | 1 | 3 | 3 | 1 | 3 | 38 | Fukui |
| Yamanashi | 5 | | | | | | | 1 | | | | | | | | 1 | | | | | | | | 7 | Yamanashi |
| Nagano | 2 | | | | | | 1 | 2 | 2 | 1 | | | | | | 1 | | | | 1 | | | 2 | 12 | Nagano |
| Gifu | 5 | 3 | 3 | | 2 | | 3 | 1 | 3 | 4 | 3 | 3 | | 1 | 3 | 2 | 1 | 4 | 1 | 1 | 2 | 1 | | 46 | Gifu |
| Shizuoka | 2 | 3 | 1 | | 1 | | 2 | | 1 | 3 | 3 | 2 | | 1 | | | | | 2 | 2 | 1 | 7 | 6 | 37 | Shizuoka |
| Aichi | 36 | 21 | 30 | | 22 | | 27 | 25 | 37 | 31 | 19 | 24 | 19 | 23 | 21 | 27 | 14 | 19 | 21 | 32 | 24 | 19 | 17 | 508 | Aichi |
| Mie | 4 | 2 | 1 | | 4 | | 3 | 3 | 1 | | 2 | 1 | | 2 | 1 | | 2 | | 1 | 1 | 1 | 1 | 1 | 31 | Mie |
| Shiga | 2 | 1 | 1 | | 5 | | 1 | 4 | 9 | 2 | 4 | 1 | 5 | | 1 | 2 | 1 | 4 | | 2 | 2 | | 1 | 48 | Shiga |
| Kyoto | 1 | 3 | | | 2 | | 1 | 2 | 6 | 3 | 1 | 2 | 3 | 1 | 1 | | 2 | 6 | 2 | 2 | 3 | 2 | 2 | 45 | Kyoto |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------|-----|-----|-----|--|-----|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----------|-----------|
| Osaka | 37 | 44 | 61 | | 46 | | 30 | 31 | 44 | 38 | 18 | 31 | 20 | 36 | 37 | 36 | 23 | 32 | 21 | 34 | 22 | 34 | 57 | 732 | Osaka | |
| Hyogo | 25 | 31 | 20 | | 30 | | 35 | 30 | 33 | 25 | 16 | 24 | 20 | 15 | 25 | 30 | 13 | 14 | 27 | 28 | 8 | 15 | 27 | 491 | Hyogo | |
| Nara | | 4 | 1 | | | | 1 | 6 | | 3 | | 2 | 1 | | 2 | 1 | 1 | | 1 | | 3 | 2 | 3 | 31 | Nara | |
| Wakayama | 12 | 9 | 8 | | 12 | | 6 | 8 | 7 | 7 | 9 | 6 | 9 | 4 | 4 | 3 | 3 | 1 | 3 | 5 | 5 | 2 | 5 | 128 | Wakayama | |
| Tottori | 1 | | 2 | | | | 1 | | 1 | | | 1 | | | | | 1 | 1 | | | | | | 8 | Tottori | |
| Shimane | 1 | 6 | 3 | | | | 3 | 6 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 1 | | 1 | 2 | 2 | 2 | | | 37 | Shimane | |
| Okayama | 7 | 9 | 8 | | 5 | | 17 | 10 | 12 | 9 | 12 | 11 | 9 | 6 | 3 | 7 | 4 | 4 | 7 | 11 | 7 | 5 | 4 | 167 | Okayama | |
| Hiroshima | 9 | 13 | 14 | | 13 | | 17 | 13 | 10 | 15 | 5 | 10 | 10 | 15 | 8 | 11 | 6 | 9 | 12 | 15 | 7 | 7 | 13 | 232 | Hiroshima | |
| Yamaguchi | 12 | 6 | 7 | | 9 | | 9 | 13 | 7 | 8 | 2 | 6 | 2 | 8 | 5 | 4 | 8 | 2 | 4 | 2 | 6 | 4 | 2 | 126 | Yamaguchi | |
| Tokushima | 1 | 3 | 2 | | | | | 1 | 3 | 2 | 1 | 1 | 2 | 1 | | 2 | | | | 2 | | | 3 | 24 | Tokushima | |
| Kagawa | 1 | 1 | 1 | | | | | | 1 | 2 | 2 | 3 | 1 | 2 | 1 | 1 | | | | | 1 | 1 | 1 | 19 | Kagawa | |
| Ehime | | 4 | | | | | 1 | | | | | | | | | | 1 | 1 | | 1 | | | | 8 | Ehime | |
| Kochi | | | 3 | | 3 | | | | | | | | 2 | | | | | 2 | | 2 | 1 | | 1 | 14 | Kochi | |
| Fukuoka | 25 | 10 | 13 | | 19 | | 14 | 12 | 13 | 7 | 15 | 11 | 9 | 10 | 12 | 4 | 9 | 8 | 7 | 9 | 7 | 9 | 4 | 227 | Fukuoka | |
| Saga | | 2 | | | 1 | | | 1 | | 1 | 1 | | | | 1 | 1 | | | | 2 | | | | 10 | Saga | |
| Nagasaki | 2 | 1 | | | | | 1 | 2 | | 1 | 1 | | 1 | | 1 | | | 1 | 1 | | 1 | | | 13 | Nagasaki | |
| Kumamoto | 2 | 1 | 3 | | 1 | | | | 3 | | 1 | 1 | 1 | | | | 1 | 1 | | 1 | | 1 | | 17 | Kumamoto | |
| Oita | | 4 | 2 | | 8 | | 5 | 1 | 7 | 9 | 2 | 3 | 9 | 4 | 7 | 5 | 7 | 4 | 4 | 3 | 3 | 5 | 2 | 94 | Oita | |
| Miyazaki | 1 | 2 | | | 1 | | | | 1 | | | | | | | | 1 | | 1 | | 1 | | | 8 | Miyazaki | |
| Kagoshima | | | | | | | | | | | | | | | | | | | | | | | | | | Kagoshima |
| Okinawa | 2 | 2 | | | | | | 3 | | | | | 1 | 1 | | 6 | | | | 1 | | | 5 | 21 | Okinawa | |
| total | 320 | 305 | 337 | | 283 | | 283 | 287 | 316 | 301 | 199 | 226 | 227 | 226 | 202 | 219 | 173 | 177 | 207 | 262 | 178 | 171 | 248 | 5,147 | total | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|----|---|----|----|----|----|----|----|----|----|---|---|----|----|---|---|---|----|---|----|---|---|----|------------------------------------|-------|
| injury to the sole of the foot | | | | | 1 | | | | | | | | | | | | | | | | | | 1 | injury to the sole of the foot | |
| drown | | | | | 1 | | | | | | 1 | 5 | | | | | | | | | | | 7 | drown | |
| contact to high/low-temperature | | 1 | | 2 | 1 | | 2 | | 3 | | | | 1 | 1 | | 1 | 1 | | 1 | | | | 14 | contact to high/low-temperature | |
| contact to harmful substance | 2 | | 1 | 1 | 1 | 1 | 5 | 1 | | | | | 1 | | | | | 1 | 1 | 3 | | 2 | 20 | contact to harmful substance | |
| electric shock | | | 1 | | | 1 | | | 1 | | | 2 | | | | | | | | | | | 5 | electric shock | |
| explosion | 1 | | | | | | | 2 | 1 | 1 | | | | 1 | 1 | | | | | 1 | | | 8 | explosion | |
| burst | | | | | | | | | | | | | 1 | | | | | | | | | | 1 | burst | |
| fire | | | | | | | | | | | | | | 1 | | | | | 1 | | | | 2 | fire | |
| traffic accident (public road) | | | | | | 1 | | | | | | | | | | | | | | | | | 1 | traffic accident (public road) | |
| traffic accident (others) | | | | | | | | | | | | | | | | | | | | | | | | traffic accident (others) | |
| reaction to motion/improper motion | | | | | | | | | | | | | | | | | | | | | | | | reaction to motion/improper motion | |
| others | | | | | | | | | | | | 1 | | | | | | | | | 1 | | 2 | others | |
| unclassifiable | | | | | | | | | | | | | | | | | | | | | | | | unclassifiable | |
| total | 17 | 4 | 10 | 16 | 11 | 10 | 12 | 15 | 17 | 10 | 4 | 7 | 11 | 10 | 8 | 9 | 7 | 12 | 5 | 12 | 9 | 5 | 7 | 228 | total |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------------------------|-----------------------------|
| engine | | | | | | | | | | | | | | | | | | | | | | | | engine | |
| power transmission mechanism | | 1 | | | | | | | | | | | | | | | | | | | | 1 | 2 | power transmission mechanism | |
| woodworking machine | | | | | | | | | | | | | | | | | | | | | | | | woodworking machine | |
| construction machine | | | | | | 1 | 1 | | | 1 | 1 | | | | | | | | | | 1 | | 5 | construction machine | |
| metal manufacturing machine | | | | 2 | 1 | | 1 | | 2 | 1 | 1 | 2 | | 1 | 1 | 1 | | | | | 1 | | 1 | 15 | metal manufacturing machine |
| general machine | 2 | | | 1 | 4 | 1 | | 1 | 2 | 2 | | 1 | | 1 | | 1 | 2 | 2 | 1 | | 1 | | 1 | 23 | general machine |
| mobile silviculture machine | | | | | | | | | | | | | | | | | | | | | | | | | mobile silviculture machine |
| crane | 4 | | 2 | 3 | 3 | 1 | 1 | 2 | 1 | | 1 | | 1 | | 1 | 1 | | 4 | | | 2 | | 2 | 29 | crane |
| conveying machine | 3 | 2 | 1 | 2 | | 2 | | 6 | 4 | 3 | 2 | 1 | | 4 | 1 | 3 | | 4 | 1 | 2 | | 1 | | 42 | conveying machine |
| vehicle | | | | | | 1 | | | | | | | 1 | | 2 | | | 1 | | | | | | 5 | vehicle |
| pressure vessel | | | | | | | 1 | | | | | | | | | | | | 1 | | | | | 2 | pressure vessel |
| chemical facilities | | | | | | | | | | | | | | 1 | | | | | | | | | | 1 | chemical facilities |
| welding equipment | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | welding equipment |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|--|---|---|---|---|---|---|--|---|--|---|---|--|--|---|--|---|---|---|---|--|--|-----------|---|
| hand tool | | | | | | | | | | | | | | | | | | | | | | | | hand tool | |
| ladder | | | 1 | | | | | | | | | | | | | | | | | | | | | 1 | ladder |
| slinging tool | | | | 1 | | | | | | | | | | | | 1 | | 2 | 1 | | | | | 5 | slinging tool |
| other tools | | | | | | | | | | | | | | | | | | | | | | | | | other tools |
| other equipment, facilities | | | | 3 | 1 | 1 | | 2 | | 1 | | | | | | 3 | | 1 | 1 | 1 | 2 | | | 17 | other equipment, facilities |
| scaffolding | | | | | | | | | | | | | | | | | | | | | | | | | scaffolding |
| timbering | | | | | | | | | | | | | | | | | | | | | | | | | timbering |
| stairs, landing stage | | | | 1 | | | | | | | | | | | | | | | | | | | | 1 | stairs, landing stage |
| opening | | | 1 | | | | | | | 1 | | | | | | | | | 1 | | | | | 3 | opening |
| roof, beam, haze, crossbeam, principal rafter | | | | | | | | | | | | | | | | | | | | | | | | | roof, beam, haze, crossbeam, principal rafter |
| working platform, boot board | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | 2 | working platform, boot board |
| passage | 1 | | | | | | 1 | | | | | | | | | | | | 1 | | | | | 3 | passage |
| building, establishment | | | 1 | | 1 | | | | | | | 1 | 1 | | | 1 | | | | | | | | 5 | building, establishment |
| other temporary buildings, establishments | 1 | | | | | | 1 | | | | | | | | | | | | | | | | | 2 | other temporary buildings, establishments |
| explosive substance | | | | | | | | | | | | | | | | | | | | | | | | | explosive substance |
| inflammable substance | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | 2 | inflammable substance |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|----|---|----|----|----|----|----|----|----|----|---|---|----|----|---|---|---|----|---|----|---|---|---|-----|---------------------|
| 100-299 | 7 | 1 | 3 | 1 | 2 | 3 | 2 | 3 | 2 | 2 | 3 | 2 | 1 | 3 | 4 | 3 | 2 | 6 | 2 | 3 | 1 | 4 | 5 | 65 | 100-299 |
| 300 workers or more | 6 | 3 | 4 | 11 | 6 | 6 | 7 | 6 | 11 | 4 | 1 | 4 | 4 | 4 | 2 | 3 | 2 | 4 | 1 | 4 | 4 | | 1 | 98 | 300 workers or more |
| total | 17 | 4 | 10 | 16 | 11 | 10 | 12 | 15 | 17 | 10 | 4 | 7 | 11 | 10 | 8 | 9 | 7 | 12 | 5 | 12 | 9 | 5 | 7 | 228 | total |

Month of fatal accidents in steel/iron/rolling products 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 | 2 | | 1 | | 3 | 1 | 2 | | 1 | 2 | | 2 | | 1 | 1 | | 1 | 2 | | | 1 | 2 | 1 | 23 | January |
| February | 1 | | 1 | | 1 | | | 1 | 1 | | 1 | | | | 1 | 1 | 1 | 3 | 1 | 1 | | | 1 | 15 | February |
| March | 2 | 3 | 1 | | | | 1 | 1 | 2 | 1 | | 1 | 7 | 1 | | 1 | 1 | | | 2 | 1 | | | 25 | March |
| April | 2 | | 1 | 2 | 1 | | 4 | | 2 | 1 | 1 | 1 | | 1 | | 2 | | | 1 | 3 | | | 1 | 23 | April |
| May | | | 2 | 2 | 1 | | 2 | 4 | | 1 | 1 | | 1 | 1 | | 1 | | | 1 | | 4 | | 1 | 22 | May |
| June | 2 | | | 2 | 1 | 1 | | 1 | 1 | 2 | | 2 | 1 | 2 | 1 | | | 1 | | | | 1 | 1 | 19 | June |
| July | 2 | 1 | 1 | 1 | 2 | | 1 | 2 | | 1 | | | | | 2 | 1 | 1 | 1 | | 1 | 1 | | | 18 | July |
| August | 1 | | | 1 | | 3 | | | 2 | | | | 1 | | 1 | | 1 | | 1 | | | | 1 | 12 | August |
| September | 2 | | 1 | 2 | | 2 | | 1 | 2 | | | | | | | | 1 | 1 | | 1 | 2 | 1 | | 16 | September |
| October | 1 | | | 2 | | 2 | | 2 | 1 | 1 | | | 1 | 1 | | | | 1 | | 2 | | 1 | | 15 | October |
| November | 1 | | | 1 | 2 | 1 | 1 | 1 | 4 | | 1 | 1 | | 1 | 1 | 1 | 1 | 2 | 1 | 2 | | | | 22 | November |
| December | 1 | | 2 | 3 | | | 1 | 2 | 1 | 1 | | | | 2 | 1 | 2 | | 1 | | | | | 1 | 18 | December |
| total | 17 | 4 | 10 | 16 | 11 | 10 | 12 | 15 | 17 | 10 | 4 | 7 | 11 | 10 | 8 | 9 | 7 | 12 | 5 | 12 | 9 | 5 | 7 | 228 | total |

Prefecture of fatal accidents in steel/iron/rolling products in 1999-2021

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|-----------|
| Shizuoka | | | | | | | | | | | | | | | | | | | | | | | | Shizuoka | |
| Aichi | 1 | | | 1 | 1 | 2 | 2 | 3 | 4 | 1 | | 1 | | 3 | 1 | 1 | | 3 | 1 | 3 | | 1 | 1 | 30 | Aichi |
| Mie | | | | | | | | | | | | | | | | | | | | | | | | | Mie |
| Shiga | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | 2 | Shiga |
| Kyoto | | | | | | | | | | | | | | | | | | | | | | | | | Kyoto |
| Osaka | 2 | | 1 | 1 | 3 | 2 | | 2 | | 1 | | 2 | | 1 | 1 | | 1 | 1 | | | 1 | 1 | 1 | 21 | Osaka |
| Hyogo | 1 | | 4 | 1 | | | 3 | 2 | 1 | 1 | | 2 | 1 | | | 3 | 2 | 1 | | 1 | | | 1 | 24 | Hyogo |
| Nara | | | | | | | | | | | | | | | | | | | | | | | | | Nara |
| Wakayama | 2 | | | | | 1 | 1 | 2 | 2 | 3 | | | | | | | | | | | | | | 11 | Wakayama |
| Tottori | | | | | | | | | | | | | | | | | | | | | | | | | Tottori |
| Shimane | | | | | | | | | | | | | | | | | | | | | | | | | Shimane |
| Okayama | | 1 | 1 | | | | 3 | | 3 | | | 1 | | 1 | 1 | | | 1 | | | 1 | | | 13 | Okayama |
| Hiroshima | 1 | | | 1 | | 1 | | | | 1 | | | 1 | 1 | | | | 1 | | 1 | 2 | | | 10 | Hiroshima |
| Yamaguchi | 1 | | 1 | 2 | | | | | 1 | | | | | | | | | | | | | | | 5 | Yamaguchi |
| Tokushima | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | Tokushima |
| Kagawa | | | | | | | | | | | | | | | | | | | | | | | | | Kagawa |
| Ehime | | | | | | | | | | | | | | | | | | | | | | | | | Ehime |
| Kochi | | | | | | | | | | | | | | | | | | | | | | | | | Kochi |
| Fukuoka | 1 | | | | 4 | 1 | | 2 | | | 1 | | 1 | | 2 | | 1 | | | | 1 | 2 | | 16 | Fukuoka |
| Saga | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | Saga |
| Nagasaki | | | | | | | | | | | | | | | | | | | | | | | | | Nagasaki |
| Kumamoto | | | | | | | | | | | | | | | | | | | | | | | | | Kumamoto |
| Oita | | | | | 1 | | 1 | | | 1 | | | 2 | | 1 | 1 | | 2 | 1 | | | | | 10 | Oita |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------|----|---|----|----|----|----|----|----|----|----|---|---|----|----|---|---|---|----|---|----|---|---|---|-----|----------|-----------|
| Miyazaki | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | Miyazaki | |
| Kagoshima | | | | | | | | | | | | | | | | | | | | | | | | | | Kagoshima |
| Okinawa | | | | | | | | | | | | | | | | | | | | | | | | | | Okinawa |
| total | 17 | 4 | 10 | 16 | 11 | 10 | 12 | 15 | 17 | 10 | 4 | 7 | 11 | 10 | 8 | 9 | 7 | 12 | 5 | 12 | 9 | 5 | 7 | 228 | total | |

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