stock/commodity trade business industry Code No.090102

Type of accidents in stock/commodity trade business 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 | 2 | 2 | 3 | 2 | 3 | 5 | 5 | 4 | 2 | 8 | | | 5 | | | | 5 | 4 | 3 | 2 | 1 | 2 | 1 | 59 | fall from height |
| falling to same level | 4 | 6 | 1 | 3 | 5 | 7 | 3 | 5 | 8 | 5 | 1 | 3 | 3 | 6 | 3 | 2 | 1 | 6 | 5 | 7 | 2 | 4 | 8 | 98 | falling to same level |
| crash | 1 | 1 | 3 | | | | | | 1 | | | | | | | | | | | 1 | 1 | | | 8 | crash |
| struck by flying or falling object | | | 1 | 1 | | | | | | | | | | | | 1 | | | | | | | | 3 | struck by flying or falling object |
| collapse | | | | | | | | | | | | | | | | | | | | | | | | | collapse |
| crashed by | | | | | | 1 | | 1 | | | | | | | | | | | 1 | | | 2 | | 5 | crashed by |
| caught in/between | 1 | 1 | 1 | | 1 | 1 | | | | 1 | | 2 | | | 1 | 1 | | | | | 1 | 2 | | 13 | caught in/between |
| cut | | | | | | | | | 1 | | | | | | | | | | | | 1 | | | 2 | cut |
| injury to the sole of the foot | | | | | | | | | | | | | | | | | | | | | | | | | injury to the sole of the foot |
| drown | | | | | | | | | | | | | | | | | | | | | | | | | drown |
| contact to high/low- temperature | | | | | | | | | | | | | | | | | | | | | | | | | contact to high/low- temperature |

| contact to harmful substance | | | | | | | | | | | | | | | | | | | | | | | | | contact to harmful substance |
|--|----|----|----|----|----|----|----|----|----|----|---|---|----|----|---|---|---|----|----|----|---|----|----|-----|--|
| electric shock | | | | | | | | | | | | | | | | | | | | | | | | | electric shock |
| explosion | | | | | | | | | | | | | | | | | | | | | | | | | explosion |
| burst | | | | | | | | | | | | | | | | | | | | | | | | | burst |
| fire | | | | | | | | | | | | | | | | | | | | | | | | | fire |
| traffic accident (public road) | 4 | 6 | 5 | 3 | 3 | 1 | 3 | 1 | 2 | 2 | 3 | 2 | 4 | 4 | 2 | 1 | 1 | 2 | 5 | 4 | 2 | 1 | 3 | 64 | traffic accident (public road) |
| traffic accident (others) | | | | | | | | | | | | | | | | | | | | | | | | | traffic accident (others) |
| reaction to motion/improper motion | 1 | 3 | | | 1 | 2 | 2 | 1 | 1 | 2 | | | 2 | 2 | 1 | 1 | | 2 | | | 1 | | | 22 | reaction to motion/improper motion |
| others | | | | | | 1 | 1 | | | | | 1 | | | | 1 | | | 2 | | | | 1 | 7 | others |
| unclassifiable | | | | 1 | | | | | | | | | | | | | | | | | | | | 1 | unclassifiable |
| total | 13 | 19 | 14 | 10 | 13 | 18 | 14 | 12 | 15 | 18 | 4 | 8 | 14 | 12 | 7 | 7 | 7 | 14 | 16 | 14 | 9 | 11 | 13 | 282 | total |

Causal agents (large) of fatal and non-fatal accidents in stock/commodity trade business 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 | | Causal (L) |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|------------|
| | | | | | | | | | | | | | | | | | | | | | | | | | agents |
| machine | | | | | 1 | | | | | | | 1 | | | | | | | | | | | | 2 | machine |
| crane, conveying | | | | | | | | | | | | | | | | | | | | | | | | | crane, |

| machine | 6 | 7 | 5 | 3 | 3 | 4 | 3 | 2 | 2 | 3 | 3 | 2 | 3 | 5 | 3 | 2 | | 2 | 5 | 3 | 2 | 2 | 3 | 73 | conveying |
|--|----|----|----|----|----|----|----|----|----|----|---|---|----|----|---|---|---|----|----|----|---|----|----|-----|----------------|
| | | | | | | | | | | | | | | | | | | | | | | | | | machine |
| other equipment | | 2 | 3 | 2 | 2 | 2 | 1 | | 3 | 1 | | 1 | 4 | 1 | 1 | 1 | 1 | 2 | 1 | 3 | 3 | 2 | | 36 | other |
| | | 2 | 5 | 2 | 2 | 2 | | | 5 | | | | 4 | | | | | 2 | | 5 | 5 | 2 | | | equipment |
| tomporony buildings | | | | | | | | | | | | | | | | | | | | | | | | | temporary |
| temporary buildings, establishments | 4 | 7 | 6 | 4 | 6 | 6 | 8 | 8 | 9 | 12 | 1 | 3 | 5 | 6 | 2 | 2 | 6 | 9 | 7 | 6 | 3 | 5 | 8 | 133 | buildings, |
| establishments | | | | | | | | | | | | | | | | | | | | | | | | | establishments |
| substance, material | 2 | | | | | | | 1 | | | | | | | | | | | | | | | | 3 | substance, |
| substance, material | 2 | | | | | | | | | | | | | | | | | | | | | | | - | material |
| load | | 2 | | | | 1 | | | | 1 | | | | | | | | | | 1 | 1 | 1 | | 7 | load |
| environment | 1 | | | | | 1 | | | | | | | | | | | | | | | | | 1 | 3 | environment |
| others | | 1 | | 1 | 1 | 4 | 2 | 1 | 1 | 1 | | 1 | 2 | | 1 | 2 | | 1 | 3 | 1 | | 1 | 1 | 25 | others |
| total | 13 | 19 | 14 | 10 | 13 | 18 | 14 | 12 | 15 | 18 | 4 | 8 | 14 | 12 | 7 | 7 | 7 | 14 | 16 | 14 | 9 | 11 | 13 | 282 | total |

Causal agents (middle) of fatal and non-fatal accidents in stock/commodity trade business 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 machine | | | | | | | | | | | | | | | | | | | | | | | | | woodworking machine |

| construction machine | | | | | | | | | | | | | | | | | | | | | | | | | construction machine |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----------------------------------|
| metal manufacturing machine | | | | | | | | | | | | | | | | | | | | | | | | | metal manufacturing machine |
| general machine | | | | | 1 | | | | | | | 1 | | | | | | | | | | | | 2 | general machine |
| mobile silviculture machine | | | | | | | | | | | | | | | | | | | | | | | | | mobile silviculture machine |
| crane | | | | | | | | | | | | | | | | | | | | | | | | | crane |
| conveying machine | 1 | 1 | | | | 1 | | | | | | | | | | | | | | | | | | 3 | conveying machine |
| vehicle | 5 | 6 | 5 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 2 | 3 | 5 | 3 | 2 | | 2 | 5 | 3 | 2 | 2 | 3 | 70 | vehicle |
| pressure vessel | | | | | | | | | | | | | | | | | | | | | | | | | pressure vessel |
| chemical facilities | | | | | | | | | | | | | | | | | | | | | | | | | chemical facilities |
| welding equipment | | | | | | | | | | | | | | | | | | | | | | | | | welding equipment |
| kiln, caldron | | | | | | | | | | | | | | | | | | | | | | | | | kiln, caldron |
| electric equipment | | | | | | | | | 1 | | | | | | | | | | | | | | | 1 | electric equipment |
| human power machine, tools | | 1 | | | 1 | | | | | | | | 2 | 1 | | | 1 | 2 | | 2 | 2 | | | 12 | human power machine, tools |

| tools | | | 2 | 1 | 1 | 2 | 1 | | | 1 | | | 2 | | | | | | 1 | 1 | | 1 | | 13 | tools |
|--|----|----|----|----|----|----|----|----|----|----|---|---|----|----|---|---|---|----|----|----|---|----|----|-----|---|
| other equipments, facilities | | 1 | 1 | 1 | | | | | 2 | | | 1 | | | 1 | 1 | | | | | 1 | 1 | | 10 | other equipments, facilities |
| temporary buildings, establishments | 4 | 7 | 6 | 4 | 6 | 6 | 8 | 8 | 9 | 12 | 1 | 3 | 5 | 6 | 2 | 2 | 6 | 9 | 7 | 6 | 3 | 5 | 8 | 133 | temporary buildings, establishments |
| hazards, harmful substances | | | | | | | | | | | | | | | | | | | | | | | | | hazards, harmful substances |
| materials | 2 | | | | | | | 1 | | | | | | | | | | | | | | | | 3 | materials |
| load | | 2 | | | | 1 | | | | 1 | | | | | | | | | | 1 | 1 | 1 | | 7 | load |
| natural environment | 1 | | | | | 1 | | | | | | | | | | | | | | | | | 1 | 3 | natural environment |
| other causal agent | | | | | | 4 | 1 | | 1 | | | | | | | 2 | | | 2 | | | | 1 | 11 | other causal agent |
| no causal agent | | 1 | | | 1 | | 1 | 1 | | 1 | | 1 | 2 | | 1 | | | 1 | 1 | 1 | | 1 | | 13 | no causal agent |
| unclassifiable | | | | 1 | | | | | | | | | | | | | | | | | | | | 1 | unclassifiable |
| total | 13 | 19 | 14 | 10 | 13 | 18 | 14 | 12 | 15 | 18 | 4 | 8 | 14 | 12 | 7 | 7 | 7 | 14 | 16 | 14 | 9 | 11 | 13 | 282 | total |

Causal agents (small) of fatal and non-fatal accidents in stock/commodity trade business in 1999-2021

| Causal (S) agents | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | total | Causal (S) agents | |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------------------|--|
| | | | | | | | | | | | | | | | | | | | | | | | | | | |

| engine | | | | | | | | | | | | | engine |
|--------------------|--|--|--|--|--|--|--|--|--|--|--|--|--------------------|
| power transmission | | | | | | | | | | | | | power transmission |
| mechanism | | | | | | | | | | | | | mechanism |
| circular sawing | | | | | | | | | | | | | circular sawing |
| machine | | | | | | | | | | | | | machine |
| band sawing | | | | | | | | | | | | | band sawing |
| machine | | | | | | | | | | | | | machine |
| wood planer | | | | | | | | | | | | | wood planer |
| machine | | | | | | | | | | | | | machine |
| hollow chisel | | | | | | | | | | | | | hollow chisel |
| mortiser, wood | | | | | | | | | | | | | mortiser, wood |
| borer | | | | | | | | | | | | | borer |
| chamfering | | | | | | | | | | | | | chamfering |
| machine, router, | | | | | | | | | | | | | machine, router, |
| woodworking | | | | | | | | | | | | | woodworking |
| milling machine | | | | | | | | | | | | | milling machine |
| chain saw | | | | | | | | | | | | | chain saw |
| other woodworking | | | | | | | | | | | | | other woodworking |
| machines | | | | | | | | | | | | | machines |
| leveling, | | | | | | | | | | | | | leveling, |
| transporting or | | | | | | | | | | | | | transporting or |
| loading machine | | | | | | | | | | | | | loading machine |
| excavating machine | | | | | | | | | | | | | excavating machine |
| foundation work | | | | | | | | | | | | | foundation work |
| machine | | | | | | | | | | | | | machine |

| <u> </u> | | <u> </u> | | | | | | L | | | L | | | |
|--|------|----------|--|--|--|--|--|---|--|--|---|--|------|--|
| hardening machine | | | | | | | | | | | | | | hardening machine |
| demolition machine | | | | | | | | | | | | | | demolition machine |
| vehicle for high lift work | | | | | | | | | | | | | | vehicle for high lift work |
| other construction machines | | | | | | | | | | | | | | other construction machines |
| lathe | | | | | | | | | | | | | | lathe |
| drill press, milling machine | | | | | | | | | | | | | | drill press, milling machine |
| grinding machine, buffing machine | | | | | | | | | | | | | | grinding machine, buffing machine |
| power press | | | | | | | | | | | | | | power press |
| forging pressure hammer | | | | | | | | | | | | | | forging pressure hammer |
| shearing machine | | | | | | | | | | | | | | shearing machine |
| other metal manufacturing machines | | | | | | | | | | | | | | other metal manufacturing machines |
| centrifugal machine | | | | | | | | | | | | | | centrifugal machine |
| mixer, grinder | | | | | | | | | | | | | | mixer, grinder |
| roll machine (except printingroll machine) | | | | | | | | | | | | | | roll machine (except printingroll machine) |
| injection molding | | | | | | | | | | | | | | injection molding |

| machine | | | | | | | | | | | | | | machine |
|--------------------------------------|--|--|---|--|--|--|---|--|--|--|--|--|---|--------------------------------------|
| food manufacturing machine | | | | | | | | | | | | | | food manufacturing machine |
| printing machine | | | | | | | | | | | | | | printing machine |
| industrial robot | | | | | | | | | | | | | | industrial robot |
| other general power machines | | | 1 | | | | 1 | | | | | | 2 | other general power machines |
| felling machine | | | | | | | | | | | | | | felling machine |
| mobile logging machine | | | | | | | | | | | | | | mobile logging machine |
| skyline yarding machine | | | | | | | | | | | | | | skyline yarding machine |
| other mobile silviculture machine | | | | | | | | | | | | | | other mobile silviculture machine |
| crane | | | | | | | | | | | | | | crane |
| mobile crane | | | | | | | | | | | | | | mobile crane |
| derrick crane | | | | | | | | | | | | | | derrick crane |
| elevator, lift | | | | | | | | | | | | | | elevator, lift |
| cargo lifting appliance | | | | | | | | | | | | | | cargo lifting appliance |
| gondola | | | | | | | | | | | | | | gondola |
| lumberyard | | | | | | | | | | | | | | lumberyard |
| equipment, logging | | | | | | | | | | | | | | equipment, logging |

| cableway | | | | | | ′ | | | | | | | | | | | | | | | cableway |
|-------------------------------------|----|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-------------------------------------|
| simple skyline yarding equipment | | | | | | | | | | | | | | | | | | | | | simple skyline yarding equipment |
| other powered crane | | | | | | | | | | | | | | | | | | | | | other powered crane |
| truck | | | | | | | | | | | | | | | | | | | | | truck |
| forklift | | | | | | | | | | | | | | | | | | | | | forklift |
| railway equipment | | | | | | | | | | | | | | | | | | | | | railway equipment |
| conveyor | | | | | | | | | | | | | | | | | | | | | conveyor |
| loader | | | | | | | | | | | | | | | | | | | | | loader |
| straddle carrier | | | | | | | | | | | | | | | | | | | | | straddle carrier |
| rough terrain hauler | | | | | | | | | | | | | | | | | | | | | rough terrain hauler |
| other powered conveying machines | | | | | | | | | | | | | | | | | | | | | other powered conveying machines |
| cars, bus, motorcycle | , | 5 | 3 | 3 | 2 | 2 | 3 | 3 | 2 | 3 | 5 | 2 | 2 | 2 | 5 | 3 | 2 | 2 | 3 | 52 | cars, bus, motorcycle |
| railway vehicle | | | | | | | | | | | | | | | | | | | | | railway vehicle |
| other vehicles | | | | | | | | | | | | 1 | | | | | | | | 1 | other vehicles |
| boiler | | | | | | | | | | | | | | | | | | | | | boiler |
| pressure vessel | | | | | | | | | | | | | | | | | | | | | pressure vessel |
| other pressure vessels | | | | | | | | | | | | | | | | | | | | | other pressure vessels |
| chemical facilities | ij | i Ti | | | | | | | | | | | | | | | | 1 | | Í | chemical facilities |

| gas welding equipment | | | | | | | | | | | | | | | | | | gas welding equipment |
|----------------------------------|--|---|---|---|---|---|--|---|---|--|---|---|---|---|---|---|----|----------------------------------|
| arc welding equipment | | | | | | | | | | | | | | | | | | arc welding equipment |
| other welding equipment | | | | | | | | | | | | | | | | | | other welding equipment |
| kiln, caldron | | | | | | | | | | | | | | | | | | kiln, caldron |
| industrial dryer | | | | | | | | | | | | | | | | | | industrial dryer |
| other kiln, caldron | | | | | | | | | | | | | | | | | | other kiln, caldron |
| transmission | | | | | 1 | | | | | | | | | | | | 1 | transmission |
| electric power facilities | | | | | | | | | | | | | | | | | | electric power facilities |
| other electrical equipment | | | | | | | | | | | | | | | | | | other electrical equipment |
| human power cranes | | | | | | | | | | | | | | | | | | human power cranes |
| human power hauling equipment | | | 1 | | | | | 2 | 1 | | 1 | 2 | | 2 | 1 | | 10 | human power hauling equipment |
| human power machine | | | | | | | | | | | | | | | | | | human power machine |
| hand tool | | | | | | | | | | | | | | | 1 | | 1 | hand tool |
| ladder | | | 1 | 1 | | 1 | | 1 | | | | | | 1 | | | 5 | ladder |
| slinging tool | | | | | | | | | | | | | | | | | | slinging tool |
| other tools | | 2 | | | | | | 1 | | | | | 1 | | | 1 | 5 | other tools |

| other equipment, | | | | | | | | | | | | | | | | | | | | | | other equipment, |
|-----------------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----------------------|
| facilities | | | | | | 2 | | | | | | | 1 | | | | | 1 | 1 | | 8 | facilities |
| scaffolding | | | | | | | | | | | | | | | | | | | | | | scaffolding |
| timbering | | | | | | | | | | | | | | | | | | | | | | timbering |
| stairs, landing stage | | 5 | 3 | 4 | 6 | 3 | 9 | | 1 | 4 | | 1 | 1 | 6 | 5 | 5 | 2 | 1 | 2 | 3 | 61 | stairs, landing stage |
| opening | | | | 1 | | | | | | | | | | | | | | | | | 1 | opening |
| roof, beam, haze, | | | | | | | | | | | | | | | | | | | | | | roof, beam, haze, |
| crossbeam, | | | | | | | | | | | | | | | | | | | | | | crossbeam, |
| principal rafter | | | | | | | | | | | | | | | | | | | | | | principal rafter |
| working platform, | | | | | | | | | | | | | | | 1 | | | | | | 1 | working platform, |
| boot board | | | | | | | | | | | | | | | | | | | | | | boot board |
| passage | | 1 | 3 | 2 | 2 | 5 | 1 | | 1 | | 4 | 1 | 1 | | 3 | 2 | 3 | 2 | 2 | 4 | 37 | passage |
| building, | | | | | | | | 1 | 1 | | 2 | | | | | | 1 | | | | 5 | building, |
| establishment | | | | | | | | | | | Ľ | | | | | | | | | | | establishment |
| other temporary | | | | | | | | | | | | | | | | | | | | | | other temporary |
| buildings, | | | | 1 | | 1 | 2 | | | 1 | | | | | | | | | 1 | 1 | 7 | buildings, |
| establishments | | | | | | | | | | | | | | | | | | | | | | establishments |
| explosive substance | | | | | | | | | | | | | | | | | | | | | | explosive substance |
| inflammable | | | | | | | | | | | | | | | | | | | | | | inflammable |
| substance | | | | | | | | | | | | | | | | | | | | | | substance |
| inflammable gas | | | | | | | | | | | | | | | | | | | | | | inflammable gas |
| harmful substance | | | | | | | | | | | | | | | | | | | | | | harmful substance |
| radiation | | | | | | | | | | | | | | | | | | | | | | radiation |
| other hazards, | | | | | | | | | | | | | | | | | | | | | | other hazards, |

| harmful substances | | | | | | | | | | | | | | | | | | | | | | harmful substances |
|--------------------|--|----|----|----|----|----|----|---|---|----|----|---|---|---|----|----|----|---|----|----|-----|--------------------|
| metal material | | | | | 1 | | | | | | | | | | | | | | | | 1 | metal material |
| lumber, bamboo | | | | | | | | | | | | | | | | | | | | | | lumber, bamboo |
| stone, sand, | | | | | | | | | | | | | | | | | | | | | | stone, sand, |
| substance | | | | | | | | | | | | | | | | | | | | | | substance |
| other materials | | | | | | | | | | | | | | | | | | | | | | other materials |
| load | | | | | | | 1 | | | | | | | | | | 1 | 1 | 1 | | 4 | load |
| machine/equipment | | | | | | | | | | | | | | | | | | | | | | machine/equipment |
| as load | | | | | | | | | | | | | | | | | | | | | | as load |
| natural ground, | | | | | | | | | | | | | | | | | | | | | | natural ground, |
| rock | | | | | | | | | | | | | | | | | | | | | | rock |
| standing tree | | | | | | | | | | | | | | | | | | | | | | standing tree |
| water | | | | | | | | | | | | | | | | | | | | | | water |
| abnormal | | | | | | | | | | | | | | | | | | | | | | abnormal |
| environment | | | | | | | | | | | | | | | | | | | | | | environment |
| high/cold | | | | | | | | | | | | | | | | | | | | | | high/cold |
| temperature | | | | | | | | | | | | | | | | | | | | | | temperature |
| environment | | | | | | | | | | | | | | | | | | | | | | environment |
| other environments | | | | | | | | | | | | | | | | | | | | 1 | 1 | other environments |
| other causal agent | | | | 1 | | 1 | | | | | | | 2 | | | 2 | | | | 1 | 7 | other causal agent |
| no causal agent | | | 1 | 1 | 1 | | 1 | | 1 | 2 | | 1 | | | 1 | 1 | 1 | | 1 | | 12 | no causal agent |
| unclassifiable | | | | | | | | | | | | | | | | | | | | | | unclassifiable |
| total | | 14 | 13 | 14 | 12 | 15 | 18 | 4 | 8 | 14 | 12 | 7 | 7 | 7 | 14 | 16 | 14 | 9 | 11 | 13 | 222 | total |

| Age | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | total | Age |
|-------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------------------------|
| 19 years old or less | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | 19 years old or less |
| 20-29 | 2 | 4 | 2 | 6 | 2 | 3 | 3 | 2 | 2 | 5 | 2 | 4 | 3 | 3 | 1 | | 3 | 2 | 3 | 1 | 1 | | 1 | 55 | 20-29 |
| 30-39 | 6 | 1 | 6 | 1 | 4 | 5 | 1 | 5 | 5 | 6 | 1 | 1 | 2 | | 1 | 1 | | | 2 | 1 | 1 | 3 | 2 | 55 | 30-39 |
| 40-49 | 2 | 6 | 4 | 2 | 3 | | 8 | | 2 | 4 | 1 | 3 | 2 | 2 | 2 | 2 | 1 | 5 | 6 | 2 | 3 | 1 | 1 | 62 | 40-49 |
| 50-59 | 2 | 6 | 2 | 1 | 4 | 8 | 2 | 4 | 5 | 2 | | | 5 | 4 | 3 | 2 | 3 | 6 | 4 | 7 | 3 | 4 | 4 | 81 | 50-59 |
| 60 years old or more | 1 | 2 | | | | 2 | | 1 | 1 | 1 | | | 2 | 3 | | 2 | | 1 | 1 | 2 | 1 | 3 | 5 | 28 | 60 years old or more |
| total | 13 | 19 | 14 | 10 | 13 | 18 | 14 | 12 | 15 | 18 | 4 | 8 | 14 | 12 | 7 | 7 | 7 | 14 | 16 | 14 | 9 | 11 | 13 | 282 | total |

Workers' number of workplace of fatal and non-fatal accidents in stock/commodity trade business 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 | | | 2 | 1 | 1 | 3 | 2 | 2 | 1 | 2 | | | 2 | | | | | | 1 | 2 | | 1 | | 20 | 9 workers or less |
| 10-29 | 3 | 3 | 1 | 2 | 4 | 5 | 2 | 2 | | 3 | 3 | 1 | 2 | 1 | 2 | 1 | 1 | 4 | 3 | 4 | 1 | 1 | 4 | 53 | 10-29 |
| 30-49 | 2 | 2 | 3 | 1 | | 1 | 3 | 4 | 3 | 1 | | 2 | 1 | 3 | | 2 | 1 | | 2 | 1 | 1 | 1 | 3 | 37 | 30-49 |
| 50-99 | 3 | 5 | 5 | 1 | 3 | 1 | 1 | 1 | 3 | 3 | | 1 | 1 | 3 | 3 | 1 | | 3 | 4 | 1 | 1 | 2 | 2 | 48 | 50-99 |
| 100-299 | 1 | 4 | | 2 | 3 | 4 | 3 | 1 | 2 | 4 | | 2 | 4 | 3 | 2 | 2 | 4 | 4 | 5 | 3 | 2 | 6 | 2 | 63 | 100-299 |
| 300 workers or | 4 | 5 | 3 | 3 | 2 | 4 | 3 | 2 | 6 | 5 | 1 | 2 | 4 | 2 | | 1 | 1 | 3 | 1 | з | 4 | | 2 | 61 | 300 workers or |
| more | | | | | | | | | | | <u> </u> | | · | | | | | | | | <u> </u> | | | | more |
| total | 13 | 19 | 14 | 10 | 13 | 18 | 14 | 12 | 15 | 18 | 4 | 8 | 14 | 12 | 7 | 7 | 7 | 14 | 16 | 14 | 9 | 11 | 13 | 282 | total |

| 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 | 3 | 1 | 2 | 1 | 1 | 3 | | | | 3 | | | | 1 | | | 1 | 2 | 2 | 2 | | 1 | 2 | 25 | January |
| February | 3 | 2 | 1 | | 1 | | | 1 | | 1 | 1 | | | 1 | | 1 | | | 1 | 2 | 2 | 3 | 2 | 22 | February |
| March | 3 | 1 | | 1 | | 2 | 2 | 1 | 2 | 1 | 3 | 1 | 1 | 2 | | 2 | 1 | 2 | 2 | 1 | | 1 | 1 | 30 | March |
| April | 1 | 1 | | 3 | 2 | 1 | | | 2 | 1 | | 1 | 1 | 3 | | | | 1 | 2 | | 2 | 1 | 1 | 23 | April |
| Мау | 1 | 2 | 4 | 1 | | 3 | 1 | 1 | 1 | 1 | | 2 | | 1 | | | 1 | 1 | | 2 | 1 | | 2 | 25 | May |
| June | 2 | | 1 | | 1 | 3 | 3 | | 2 | 2 | | | 4 | | 2 | | 1 | | 1 | 1 | 1 | | 1 | 25 | June |
| July | | 3 | | 1 | 2 | | | 2 | 1 | 1 | | | 1 | | 3 | | | | 2 | 2 | | 2 | 1 | 21 | July |
| August | | 4 | 1 | 1 | 1 | 1 | 3 | 1 | 3 | 1 | | | 1 | 1 | | | | | 1 | 2 | | | | 21 | August |
| September | | 1 | 2 | | 2 | 1 | | 1 | 2 | 1 | | 2 | 1 | | | | | 1 | 1 | 1 | 1 | | | 17 | September |
| October | | | | | 1 | 2 | 3 | 1 | 1 | 2 | | | | 1 | 2 | 1 | 1 | | 2 | | 1 | 2 | 1 | 21 | October |
| November | | | 1 | 2 | | 2 | 1 | 3 | | 1 | | 1 | 3 | 1 | | 3 | 2 | 4 | 1 | 1 | 1 | 1 | 1 | 29 | November |
| December | | 4 | 2 | | 2 | | 1 | 1 | 1 | 3 | | 1 | 2 | 1 | | | | 3 | 1 | | | | 1 | 23 | December |
| total | 13 | 19 | 14 | 10 | 13 | 18 | 14 | 12 | 15 | 18 | 4 | 8 | 14 | 12 | 7 | 7 | 7 | 14 | 16 | 14 | 9 | 11 | 13 | 282 | total |

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Month of fatal and non-fatal accidents in stock/commodity trade business in 1999-2021

Prefecture of fatal and non-fatal accidents in stock/commodity trade business in 1999-2021

| Prefecture | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | total | Prefecture |
|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------------|
| Hokkaido | 5 | | | | | | | | | 1 | | | | | | | | | | | | | | 6 | Hokkaido |
| Aomori | | | 1 | | | | | | | | | | | | | | | | | | 1 | | | 2 | Aomori |

| lwate | | | | 1 | | | | 1 | | | 2 | 1 | | | | | | | | | | 5 | lwate |
|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----------|
| Miyagi | | 1 | | | | | | | | | | | | | | | 1 | 1 | | 1 | | 4 | Miyagi |
| Akita | | | 1 | | | | 1 | | | | | | | | | | 1 | | | | | 3 | Akita |
| Yamagata | | | | | | | | | 1 | | | | | | 1 | | | | | | | 2 | Yamagata |
| Fukushima | | | | | | | | | | 1 | | | | | | | | | | | | 1 | Fukushima |
| Ibaraki | | | | | | | | | | | | | 1 | 1 | 1 | | 1 | 1 | | | | 5 | Ibaraki |
| Tochigi | | | | | | | | | | | | 1 | | | | | 1 | | | | | 2 | Tochigi |
| Gunma | | | | | 1 | | | | | | 2 | | | | | 1 | | | | | | 4 | Gunma |
| Saitama | | 1 | | | | 1 | | | | 1 | 1 | 1 | | 1 | | 1 | | 1 | 1 | 1 | | 10 | Saitama |
| Chiba | | | | | | 1 | 1 | | | | | 1 | | | | 1 | | | | | | 4 | Chiba |
| Tokyo | 1 | 6 | 7 | 4 | 4 | 3 | 8 | 5 | 1 | 3 | 5 | 6 | 1 | 2 | 2 | 5 | 5 | 4 | 5 | 1 | 2 | 80 | Tokyo |
| Kanagawa | 1 | 2 | | | | | 1 | 1 | | | | | | | | 1 | 1 | 1 | | 1 | 2 | 11 | Kanagawa |
| Niigata | | | | | | | | | | | | | | | | | 1 | | | | | 1 | Niigata |
| Toyama | 1 | 1 | | | | | | | | | | | | | | | | | | | 1 | 3 | Toyama |
| Ishikawa | | | | | | | | | | | | | | | | | | | | | 1 | 1 | Ishikawa |
| Fukui | 1 | | | | | | | | | | | | | | | | | | | | | 1 | Fukui |
| Yamanashi | | | | | 2 | 1 | | | | | | | | | | | | | | | | 3 | Yamanashi |
| Nagano | | 1 | | | 1 | | | | | | | | | | | | 1 | | | | | 3 | Nagano |
| Gifu | | 1 | | | | | | 1 | | | 1 | | | | | | 1 | | | | | 4 | Gifu |
| Shizuoka | | | | | | | | | | | | | 1 | 1 | | | | | 1 | | 1 | 4 | Shizuoka |
| Aichi | | | 2 | 1 | | 2 | 1 | 1 | | 1 | | | 1 | 1 | | 2 | | 1 | | 3 | 1 | 17 | Aichi |
| Mie | | | | | | | 2 | | | | 1 | | | | | | | 2 | | | | 5 | Mie |
| Shiga | | | | | | | | | | | | | | | | | | | | | | | Shiga |

| | | | i — i | | | | | | | i — i | | | ii | | | j | <u> </u> | | i | | | i – | |
|-----------|---|---|-------|---|---|---|---|---|---|-------|---|---|----|---|---|---|----------|---|---|---|---|-----|-----------|
| Kyoto | | | | | | | | 2 | 1 | 1 | | | | | | | | | | | | 4 | Kyoto |
| Osaka | 1 | 2 | 1 | 3 | 1 | 1 | 1 | 1 | | | 1 | 1 | 1 | | 2 | 1 | | | | 1 | 2 | 20 | Osaka |
| Hyogo | | 1 | | 1 | | 1 | | 1 | | 1 | | | | | | | | 2 | | | 1 | 8 | Hyogo |
| Nara | | | | | 1 | | | 1 | | | | | | | | | 2 | | 1 | | | 5 | Nara |
| Wakayama | | | | | | | | | | | | | | | | | | | | | 1 | 1 | Wakayama |
| Tottori | | | | | | | | | | | | | | | | | | | | | 1 | 1 | Tottori |
| Shimane | 1 | 1 | | | | | | | | | | | | | | 2 | | | | | | 4 | Shimane |
| Okayama | | | | | | | | | | | | | | | | | | | | 1 | | 1 | Okayama |
| Hiroshima | | | 1 | 1 | | | | | | | | | 1 | | | | | 1 | | 1 | | 5 | Hiroshima |
| Yamaguchi | | | | | | | | | | | | | | | | | | | | | | | Yamaguchi |
| Tokushima | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | 3 | Tokushima |
| Kagawa | 1 | | | | | | | | | | | | | | | | | | | | | 1 | Kagawa |
| Ehime | | | | | | | | | | | | | | | | | | | | | | | Ehime |
| Kochi | | | | | 1 | | | | | | | | | | | | | | | | | 1 | Kochi |
| Fukuoka | | | | 1 | 1 | 1 | | 3 | 1 | | 1 | | 1 | | | | 1 | | | | | 10 | Fukuoka |
| Saga | | | | | | | | | | | | | | 1 | | | | | | | | 1 | Saga |
| Nagasaki | | 1 | | | | 1 | | | | | | | | | | | | | | 1 | | 3 | Nagasaki |
| Kumamoto | | | | | 1 | | | | | | | 1 | | | | | | | | | | 2 | Kumamoto |
| Oita | | | | | | | | | | | | | | | 1 | | | | | | | 1 | Oita |
| Miyazaki | | | | | | | | | | | | | | | | | | | | | | | Miyazaki |
| Kagoshima | | | | 1 | | | | | | | | | | | | | | | | | | 1 | Kagoshima |
| Okinawa | | | | | 1 | | | | | | | | | | | | | | | | | 1 | Okinawa |
| | | | | | | | | | | | | | | | | | | | | | | | |

| Itotal | | 19 | 14 | | 13 | | 14 | 12 | 15 | 18 | 4 | 8 | 14 | 12 | 7 | 7 | 7 | 14 | 16 | 14 | 9 | 11 | 13 | 254 | 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: <u>https://anzeninfo.mhlw.go.jp/user/anzen/tok/anst00.htm</u> (MHLW, Japan)

Return to https://www.jisha.or.jp/english/statistics/2021e_industry.html

Fatal accidents in stock/commodity trade business in Japan in 1999-2021

stock/commodity trade business industry Code No.090102

Type of fatal accidents in stock/commodity trade business 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 | | | | | | | | | | | | | | | | | | | | | | | | | fall from height |
| falling to same level | | | | | | | | | | | | | | | | | | | | | | | | | falling to same |
| | | | | | | | | | | | | | | | | | | | | | | | | | level |
| crash | | | | | | | | | | | | | | | | | | | | | | | | | crash |
| struck by flying or | | | | | | | | | | | | | | | | | | | | | | | | | struck by flying |
| falling object | | | | | | | | | | | | | | | | | | | | | | | | | or falling object |
| collapse | | | | | | | | | | | | | | | | | | | | | | | | | collapse |
| crashed by | | | | | | 1 | | | | | | | | | | | | | | | | | | 1 | crashed by |
| | | | | | | | | | | | | | | | | | | | | | | | | | caught |

| caught in/between | | | | | | | | | | | | | | | in/between |
|--|---|--|---|--|---|--|--|---|--|--|--|--|--|---|--|
| cut | | | | | | | | | | | | | | | cut |
| injury to the sole of the foot | | | | | | | | | | | | | | | injury to the sole of the foot |
| drown | | | | | | | | | | | | | | | drown |
| contact to high/low- temperature | | | | | | | | | | | | | | | contact to high/low- temperature |
| contact to harmful substance | | | | | | | | | | | | | | | contact to harmful substance |
| electric shock | | | | | | | | | | | | | | | electric shock |
| explosion | | | | | | | | | | | | | | | explosion |
| burst | | | | | | | | | | | | | | | burst |
| fire | | | | | | | | | | | | | | | fire |
| traffic accident (public road) | 1 | | | | | | | 1 | | | | | | 2 | 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 |

| L | | | | | | | | | | | | | | | |
|-------|---|--|---|---|---|--|--|---|--|--|--|--|--|---|-------|
| total | 1 | | 1 | 1 | 1 | | | 1 | | | | | | 5 | total |

Causal agents (large) of fatal accidents in stock/commodity trade business 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 | | | | | | | | | | | | | | | | | | | | | | | | | machine |
| crane, conveying machine | 1 | | | | | 1 | | | | | | | 1 | | | | | | | | | | | 3 | crane, conveying machine |
| other equipment | | | | | | | | | | | | | | | | | | | | | | | | | other equipment |
| temporary buildings, establishments | | | | | | | | | | | | | | | | | | | | | | | | | temporary buildings, establishments |
| substance, material | | | | | | | | | | | | | | | | | | | | | | | | | substance, material |
| load | | | | | | | | | | | | | | | | | | | | | | | | | load |
| environment | | | | | | | | | | | | | | | | | | | | | | | | | environment |
| others | | | | 1 | | | 1 | | | | | | | | | | | | | | | | | 2 | others |
| total | 1 | | | 1 | | 1 | 1 | | | | | | 1 | | | | | | | | | | | 5 | total |

Causal agents (middle) of fatal accidents in stock/commodity trade business 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 machine | | | | | | | | | | | | | | | | | | | | | | | | | woodworking machine |
| construction machine | | | | | | | | | | | | | | | | | | | | | | | | | construction machine |
| metal manufacturing machine | | | | | | | | | | | | | | | | | | | | | | | | | metal manufacturing machine |
| general machine | | | | | | | | | | | | | | | | | | | | | | | | | general machine |
| mobile silviculture machine | | | | | | | | | | | | | | | | | | | | | | | | | mobile silviculture machine |
| crane | | | | | | | | | | | | | | | | | | | | | | | | | crane |
| conveying machine | | | | | | 1 | | | | | | | | | | | | | | | | | | 1 | conveying machine |
| vehicle | 1 | | | | | | | | | | | | 1 | | | | | | | | | | | 2 | vehicle |
| pressure vessel | | | | | | | | | | | | | | | | | | | | | | | | | pressure vessel |
| chemical facilities | | | | | | | | | | | | | | | | | | | | | | | | | chemical |

| | | | | | | | | | | | | facilities |
|--|--|--|--|--|--|--|--|--|--|--|--|---|
| welding equipment | | | | | | | | | | | | welding equipment |
| kiln, caldron | | | | | | | | | | | | kiln, caldron |
| electric equipment | | | | | | | | | | | | electric equipment |
| human power machine, tools | | | | | | | | | | | | human power machine, tools |
| tools | | | | | | | | | | | | tools |
| other equipments, facilities | | | | | | | | | | | | other equipments, facilities |
| temporary buildings, establishments | | | | | | | | | | | | temporary buildings, establishments |
| hazards, harmful substances | | | | | | | | | | | | hazards, harmful substances |
| materials | | | | | | | | | | | | materials |
| load | | | | | | | | | | | | load |
| natural environment | | | | | | | | | | | | natural environment |
| other causal agent | | | | | | | | | | | | other causal agent |
| <u> </u> | | | | | | | | | | | | |

| no causal agent | | | 1 | | 1 | | | | | | | | | 2 | no causal agent |
|-----------------|---|--|---|---|---|--|--|---|--|--|--|--|--|---|--------------------|
| unclassifiable | | | | | | | | | | | | | | | unclassifiable |
| total | 1 | | 1 | 1 | 1 | | | 1 | | | | | | 5 | total |

Causal agents (small) of fatal accidents in stock/commodity trade business 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 20 ⁷ | 9 2020 | 2021 | total | Causal (S) agents |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|--------|------|-------|--|
| 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 | | | | | | | | | | | | excavating machine |
| foundation work machine | | | | | | | | | | | | foundation work machine |
| hardening machine | | | | | | | | | | | | hardening machine |
| demolition machine | | | | | | | | | | | | demolition machine |
| vehicle for high lift work | | | | | | | | | | | | vehicle for high lift work |
| other construction machines | | | | | | | | | | | | other construction machines |
| lathe | | | | | | | | | | | | lathe |
| drill press, milling machine | | | | | | | | | | | | drill press, milling machine |
| grinding machine, buffing machine | | | | | | | | | | | | grinding machine, buffing machine |
| power press | | | | | | | | | | | | power press |
| forging pressure hammer | | | | | | | | | | | | forging pressure hammer |
| shearing machine | | | | | | | | | | | | shearing machine |

| r, grinder I I I I I I I I I I I I I I I I I I I | es Igal machine grinder chine (except groll |
|--|---|
| ifugal machine ifugal machine ifugal machine ingroll | igal machine grinder chine (except groll e) |
| r, grinder I I I I I I I I I I I I I I I I I I I | grinder chine (except groll e) |
| nachine (except line) | chine (except groll e) |
| ingroll ine) | groll e) |
| nine) | e) |
| | |
| | n molding |
| | 11 |
| ine | e |
| manufacturing food ma | anufacturing |
| nine machine | e |
| ing machine | g machine |
| strial robot | al robot |
| r general other ge | eneral |
| er machines power m | machines |
| g machine | nachine |
| le logging mobile le | logging |
| ine | e |
| ne yarding | yarding |
| nine machine | e |
| r mobile other me | obile |
| ulture machine | ure machine |
| e la | |

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

| | | | | | | = | = | = | | | —— | | = | | i |
|---------------------|------|------|------|------|------|---|---|-------|------|------|----|------|---|---------------------|---|
| railway vehicle | | | | | | | | | | | | | | railway vehicle | |
| other vehicles | | | | | | | | | | | | | | other vehicles | |
| boiler | | | | | | | | | | | | | | boiler | |
| pressure vessel | | | | | | | | | | | | | | pressure vessel | |
| other pressure | | | | | | | | | | | | | | other pressure | |
| vessels | | | | | | | | | | | | | | vessels | |
| chemical facilities | | | | | | | | | | | | | | chemical facilities | ; |
| gas welding | | | | | | | | | | | | | | gas welding | |
| equipment | | | | | | | | | | | | | | equipment | |
| arc welding | | | | | | | | | | | | | | arc welding | |
| equipment | | | | | | | | | | | | | | equipment | |
| other welding | | | | | | | | | | | | | | other welding | |
| equipment | | | | | | | | | | | | | | equipment | |
| kiln, caldron | | | | | | | | | | | | | | kiln, caldron | |
| industrial dryer | | | | | | | | | | | | | | industrial dryer | |
| other kiln, caldron | | | | | | | | | | | | | | other kiln, caldroi | n |
| transmission | | | | | | | | | | | | | | transmission | |
| electric power | | | | | | | | | | | | | | electric power | |
| facilities | | | | | | | | | | | | | | facilities | |
| other electrical | | | | | | | | | | | | | | other electrical | |
| equipment | | | | | | | | | | | | | | equipment | |
| human power | | | | | | | | | | | | | | human power | |
| cranes | | | | | | | | | | | | | | cranes | |
| | | | | | | | | | | | | | | | |

| human power | | | | | | | | | | | | human power |
|-----------------------|--|--|--|--|--|--|--|--|--|--|--|-----------------------|
| hauling equipment | | | | | | | | | | | | hauling equipment |
| human power | | | | | | | | | | | | human power |
| machine | | | | | | | | | | | | machine |
| hand tool | | | | | | | | | | | | hand tool |
| ladder | | | | | | | | | | | | ladder |
| slinging tool | | | | | | | | | | | | slinging tool |
| other tools | | | | | | | | | | | | other tools |
| other equipment, | | | | | | | | | | | | other equipment, |
| facilities | | | | | | | | | | | | facilities |
| scaffolding | | | | | | | | | | | | scaffolding |
| timbering | | | | | | | | | | | | timbering |
| stairs, landing stage | | | | | | | | | | | | stairs, landing stage |
| opening | | | | | | | | | | | | opening |
| roof, beam, haze, | | | | | | | | | | | | roof, beam, haze, |
| crossbeam, | | | | | | | | | | | | crossbeam, |
| principal rafter | | | | | | | | | | | | principal rafter |
| working platform, | | | | | | | | | | | | working platform, |
| boot board | | | | | | | | | | | | boot board |
| passage | | | | | | | | | | | | passage |
| building, | | | | | | | | | | | | building, |
| establishment | | | | | | | | | | | | establishment |
| other temporary | | | | | | | | | | | | other temporary |
| buildings, | | | | | | | | | | | | buildings, |

| establishments | | | | | | | | | | | | establishments |
|---------------------|--|--|--|--|--|--|--|--|--|--|--|---------------------|
| explosive substance | | | | | | | | | | | | explosive substance |
| inflammable | | | | | | | | | | | | inflammable |
| substance | | | | | | | | | | | | substance |
| inflammable gas | | | | | | | | | | | | inflammable gas |
| harmful substance | | | | | | | | | | | | harmful substance |
| radiation | | | | | | | | | | | | radiation |
| other hazards, | | | | | | | | | | | | other hazards, |
| harmful substances | | | | | | | | | | | | harmful substances |
| metal material | | | | | | | | | | | | metal material |
| lumber, bamboo | | | | | | | | | | | | lumber, bamboo |
| stone, sand, | | | | | | | | | | | | stone, sand, |
| substance | | | | | | | | | | | | substance |
| other materials | | | | | | | | | | | | other materials |
| load | | | | | | | | | | | | load |
| machine/equipment | | | | | | | | | | | | machine/equipment |
| as load | | | | | | | | | | | | as load |
| natural ground, | | | | | | | | | | | | natural ground, |
| rock | | | | | | | | | | | | rock |
| standing tree | | | | | | | | | | | | standing tree |
| water | | | | | | | | | | | | water |
| abnormal | | | | | | | | | | | | abnormal |
| environment | | | | | | | | | | | | environment |
| high/cold | | | | | | | | | | | | high/cold |

| temperature | | | | | | | | | | | | | | | temperature |
|--------------------|---|--|---|---|---|--|--|---|--|--|--|--|--|---|--------------------|
| environment | | | | | | | | | | | | | | | environment |
| other environments | | | | | | | | | | | | | | | other environments |
| other causal agent | | | | | | | | | | | | | | | other causal agent |
| no causal agent | | | 1 | | 1 | | | | | | | | | 2 | no causal agent |
| unclassifiable | | | | | | | | | | | | | | | unclassifiable |
| total | 1 | | 1 | 1 | 1 | | | 1 | | | | | | 5 | total |

Workers age of fatal accidents in stock/commodity trade business 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 | | | | | | | | | | | | | | | | | | | | | | | | | 19 years old or less |
| 20-29 | | | | | | | | | | | | | | | | | | | | | | | | | 20-29 |
| 30-39 | 1 | | | | | | | | | | | | | | | | | | | | | | | 1 | 30-39 |
| 40-49 | | | | 1 | | | 1 | | | | | | | | | | | | | | | | | 2 | 40-49 |
| 50-59 | | | | | | 1 | | | | | | | 1 | | | | | | | | | | | 2 | 50-59 |
| 60 years old or | | | | | | | | | | | | | | | | | | | | | | | | | 60 years old or |
| more | | | | | | | | | | | | | | | | | | | | | | | | | more |
| total | 1 | | | 1 | | 1 | 1 | | | | | | 1 | | | | | | | | | | | 5 | total |

Workers' number of workplace of fatal accidents in stock/commodity trade business 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 | | | | 1 | | | | | | | | | | 1 | 9 workers or less |
|-------------------|---|--|---|---|---|--|--|---|--|--|--|--|--|---|-------------------|
| 10-29 | 1 | | | | | | | | | | | | | 1 | 10-29 |
| 30-49 | | | | | | | | | | | | | | | 30-49 |
| 50-99 | | | | | | | | | | | | | | | 50-99 |
| 100-299 | | | 1 | | 1 | | | 1 | | | | | | 3 | 100-299 |
| 300 workers or | | | | | | | | | | | | | | | 300 workers or |
| more | | | | | | | | | | | | | | | more |
| total | 1 | | 1 | 1 | 1 | | | 1 | | | | | | 5 | total |

Month of fatal accidents in stock/commodity trade business 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 | | | | | | | | | | | | | | | | | | | | | | | | | January |
| February | | | | | | | | | | | | | | | | | | | | | | | | | February |
| March | | | | | | | | | | | | | | | | | | | | | | | | | March |
| April | | | | | | | | | | | | | | | | | | | | | | | | | April |
| Мау | | | | | | 1 | | | | | | | | | | | | | | | | | | 1 | May |
| June | 1 | | | | | | 1 | | | | | | 1 | | | | | | | | | | | 3 | June |
| July | | | | | | | | | | | | | | | | | | | | | | | | | July |
| August | | | | 1 | | | | | | | | | | | | | | | | | | | | 1 | August |
| September | | | | | | | | | | | | | | | | | | | | | | | | | September |
| October | | | | | | | | | | | | | | | | | | | | | | | | | October |
| November | | | | | | | | | | | | | | | | | | | | | | | | | November |
| | \square | | | | | | | | | | | | | | | | i | | | | | | | | |

| December | | | | | | | | | | | | | | | December |
|----------|---|--|---|---|---|--|--|---|--|--|--|--|--|---|----------|
| total | 1 | | 1 | 1 | 1 | | | 1 | | | | | | 5 | total |

Prefecture of fatal accidents in stock/commodity trade business 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 | | | | | | | | | | | | | | | | | | | | | | | | | Hokkaido |
| Aomori | | | | | | | | | | | | | | | | | | | | | | | | | Aomori |
| lwate | | | | | | | | | | | | | | | | | | | | | | | | | lwate |
| Miyagi | | | | | | | | | | | | | | | | | | | | | | | | | Miyagi |
| Akita | | | | | | | | | | | | | | | | | | | | | | | | | Akita |
| Yamagata | | | | | | | | | | | | | | | | | | | | | | | | | Yamagata |
| Fukushima | | | | | | | | | | | | | | | | | | | | | | | | | Fukushima |
| Ibaraki | | | | | | | | | | | | | | | | | | | | | | | | | Ibaraki |
| Tochigi | | | | | | 1 | | | | | | | | | | | | | | | | | | 1 | Tochigi |
| Gunma | | | | | | | | | | | | | | | | | | | | | | | | | Gunma |
| Saitama | | | | | | | | | | | | | | | | | | | | | | | | | Saitama |
| Chiba | | | | | | | | | | | | | | | | | | | | | | | | | Chiba |
| Tokyo | | | | 1 | | | 1 | | | | | | 1 | | | | | | | | | | | 3 | Tokyo |
| Kanagawa | | | | | | | | | | | | | | | | | | | | | | | | | Kanagawa |
| Niigata | | | | | | | | | | | | | | | | | | | | | | | | | Niigata |
| Toyama | | | | | | | | | | | | | | | | | | | | | | | | | Toyama |
| Ishikawa | | | | | | | | | | | | | | | | | | | | | | | | | Ishikawa |

| Fukui | | | | | | | | | | | | | | Fukui |
|-----------|---|--|--|--|--|--|--|--|--|--|--|--|---|-----------|
| Yamanashi | | | | | | | | | | | | | | Yamanashi |
| Nagano | | | | | | | | | | | | | | Nagano |
| Gifu | | | | | | | | | | | | | | Gifu |
| Shizuoka | | | | | | | | | | | | | | Shizuoka |
| Aichi | | | | | | | | | | | | | | Aichi |
| Mie | | | | | | | | | | | | | | Mie |
| Shiga | | | | | | | | | | | | | | Shiga |
| Kyoto | | | | | | | | | | | | | | Kyoto |
| Osaka | | | | | | | | | | | | | | Osaka |
| Нуодо | | | | | | | | | | | | | | Нуодо |
| Nara | | | | | | | | | | | | | | Nara |
| Wakayama | | | | | | | | | | | | | | Wakayama |
| Tottori | | | | | | | | | | | | | | Tottori |
| Shimane | 1 | | | | | | | | | | | | 1 | Shimane |
| Okayama | | | | | | | | | | | | | | Okayama |
| Hiroshima | | | | | | | | | | | | | | Hiroshima |
| Yamaguchi | | | | | | | | | | | | | | Yamaguchi |
| Tokushima | | | | | | | | | | | | | | Tokushima |
| Kagawa | | | | | | | | | | | | | | Kagawa |
| Ehime | | | | | | | | | | | | | | Ehime |
| Kochi | | | | | | | | | | | | | | Kochi |
| Fukuoka | | | | | | | | | | | | | | Fukuoka |

| Saga | | | | | | | | | | | | | | | Saga |
|-----------|---|--|---|---|---|--|--|---|--|--|--|--|--|---|-----------|
| Nagasaki | | | | | | | | | | | | | | | Nagasaki |
| Kumamoto | | | | | | | | | | | | | | | Kumamoto |
| Oita | | | | | | | | | | | | | | | Oita |
| Miyazaki | | | | | | | | | | | | | | | Miyazaki |
| Kagoshima | | | | | | | | | | | | | | | Kagoshima |
| Okinawa | | | | | | | | | | | | | | | Okinawa |
| total | 1 | | 1 | 1 | 1 | | | 1 | | | | | | 5 | total |

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

Return to https://www.jisha.or.jp/english/statistics/2021e_industry.html