Relation between small causal agents and type of Fatal accidents in code no. 11303 optical instruments as small industry in 1999-2020

| | on between small car | | | | | | | | 08 | | | 11 | | | | 15 | 16 | 17 | 18 | 19 | 90 | 99 | 00 |
|------|--|------|--------------------------------|-------|---|----------|---------------|----------------------|-----|--|-------|--|---------------------------------------|--------|-----------|----|------|---------------------|---------------------------------|--|----|----|------|
| code | small causal agents | from | falling to same level | crash | struck by flying or falling object | collapse | crashed by | caught in/between | cut | injury to the sole of the foot | drown | contact to high/low- temperature | contact to harmful substance | BIIOCK | explosion | | fire | traffic accident | traffic accident (others) | reaction to motion/improper motion | | | tota |
| 111 | engine | | | | | | | | | | | | | | | | | | | | | | 0 |
| 121 | power transmission mechanism | | | | | | | | | | | | | | | | | | | | | | 0 |
| 131 | circular sawing machine | | | | | | | | | | | | | | | | | | | | | | 0 |
| 132 | band sawing machine | | | | | | | | | | | | | | | | | | | | | | 0 |
| 133 | wood planer machine | | | | | | | | | | | | | | | | | | | | | | 0 |
| 134 | hollow chisel mortiser, wood borer | | | | | | | | | | | | | | | | | | | | | | 0 |
| 135 | chamfering machine, router, woodworking milling machine | | | | | | | | | | | | | | | | | | | | | | 0 |
| 136 | chain saw | | | | | | | | | | | | | | | | | | | | | | 0 |
| 139 | other woodworking machines | | | | | | | | | | | | | | | | | | | | | | 0 |
| 141 | leveling, transporting or loading machine | | | | | | | | | | | | | | | | | | | | | | 0 |
| 142 | excavating machine | | | | | | | | | | | | | | | | | | | | | | 0 |
| 143 | foundation work machine | | | | | | | | | | | | | | | | | | | | | | 0 |
| 144 | hardening machine | | | | | | | | | | | | | | | | | | | | | | 0 |
| 145 | demolition machine | | | | | | | | | | | | | | | | | | | | | | 0 |
| 146 | vehicle for high lift work | | | | | | | | | | | | | | | | | | | | | | 0 |
| 149 | other construction machines | | | | | | | | | | | | | | | | | | | | | | 0 |
| 151 | lathe | | | | 1 | | | | | | | | | | | | | | | | | | 1 |
| | drill press, milling machine | | | | | | | | | | | | | | | | | | | | | | 0 |
| 153 | grinding machine, buffing machine | | | | | | | | | | | | | | | | | | | | | | 0 |
| | power press | | | | | | | | | | | | | | | | | | | | | | 0 |
| 155 | forging pressure | | | | | | | | | | | | | | | | | | | | | | 0 |

| | hammer | | | | | | | | | | | | | | |
|-----|--|---|---|--|---|---|---|---------------|--|--|--|--|--|----------|---|
| | shearing machine | | | | | | | | | | | | | | 0 |
| 159 | other metal manufacturing machines | | | | 1 | | | | | | | | | | 1 |
| 161 | centrifugal machine | | | | | | | | | | | | | | 0 |
| 162 | mixer, grinder | | | | | | | | | | | | | | 0 |
| 163 | roll machine (except printingroll machine) | | | | | | | | | | | | | | 0 |
| 164 | injection molding machine | | | | | | | | | | | | | | 0 |
| | food manufacturing machine | | | | | | | | | | | | | | 0 |
| 166 | printing machine | | | | | | | | | | | | | | 0 |
| 167 | industrial robot | | | | | | | | | | | | | | 0 |
| 169 | other general power machines | | | | | | | | | | | | | | 0 |
| 171 | felling machine | | | | | | | | | | | | | | 0 |
| 172 | mobile logging machine | | | | | | | | | | | | | | 0 |
| 173 | skyline yarding machine | | | | | | | | | | | | | | 0 |
| 179 | other mobile silviculture machine | | | | | | | | | | | | | | 0 |
| 211 | crane | | | | | | | | | | | | | | 0 |
| 212 | mobile crane | | | | | | | | | | | | | | 0 |
| 213 | derrick crane | | | | | | | | | | | | | | 0 |
| 214 | elevator, lift | | | | | 1 | | | | | | | | | 1 |
| 215 | cargo lifting appliance | | | | | | | | | | | | | | 0 |
| 216 | gondola | | | | | | | | | | | | | | 0 |
| 217 | lumberyard equipment, logging cableway | | | | | | | | | | | | | | 0 |
| 218 | simple skyline yarding equipment | | | | | | | | | | | | | | 0 |
| 219 | other powered crane | | | | | | | | | | | | | | 0 |
| | | | | | | | | | | | | | | | 0 |
| 222 | forklift | | | | | | | | | | | | | | 0 |
| | |] | | | | | | | | | | | | | 0 |
| 224 | conveyor | | Щ | | | | Щ | \sqsubseteq | | | | | | <u> </u> | 0 |
| 225 | loader | | | | | | | | | | | | | | 0 |

| 226 | straddle carrier | | | | | | | | | | | | 0 |
|-----|--|---|--|--|--|--|--|--|--|---|--|--|---|
| 227 | rough terrain hauler | | | | | | | | | | | | 0 |
| 229 | other powered conveying machines | | | | | | | | | | | | 0 |
| 231 | cars, bus, motorcycle | | | | | | | | | | | | 0 |
| | railway vehicle | | | | | | | | | | | | 0 |
| | other vehicles | | | | | | | | | | | | 0 |
| 311 | boiler | | | | | | | | | | | | 0 |
| 12 | pressure vessel | | | | | | | | | | | | 0 |
| 19 | other pressure vessels | | | | | | | | | | | | 0 |
| 21 | chemical facilities | | | | | | | | | | | | 0 |
| 31 | gas welding equipment | | | | | | | | | | | | 0 |
| 22 | arc welding equipment | | | | | | | | | | | | 0 |
| 20 | other welding equipment | | | | | | | | | | | | 0 |
| | kiln, caldron | | | | | | | | | | | | 0 |
| 42 | industrial dryer | | | | | | | | | | | | 0 |
| 49 | other kiln, caldron | | | | | | | | | | | | 0 |
| 51 | transmission | | | | | | | | | | | | 0 |
| 52 | electric power facilities | | | | | | | | | | | | 0 |
| 59 | other electrical equipment | | | | | | | | | | | | 0 |
| 61 | human power cranes | | | | | | | | | | | | 0 |
| 62 | human power hauling equipment | | | | | | | | | | | | 0 |
| 63 | human power machine | | | | | | | | | | | | 0 |
| | hand tool | | | | | | | | | | | | 0 |
| | ladder | | | | | | | | | | | | 0 |
| | slinging tool | | | | | | | | | | | | 0 |
| | other tools | | | | | | | | | [| | | 0 |
| 91 | other equipments, facilities | | | | | | | | | | | | 0 |
| 11 | scaffolding | | | | | | | | | | | | 0 |
| | timbering | | | | | | | | | | | | 0 |
| | stairs, landing stage | 1 | | | | | | | | | | | 1 |
| | opening | | | | | | | | | | | | 0 |
| | roof, beam, haze, | | | | | | | | | | | | |

| | crossbeam, principal rafter | | | | | | | | | | | | | | | | | | | | | | 0 |
|-----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|---|---|---|---|---|---|
| | working platform, boot board | | | | | | | | | | | | | | | | | | | | | | 0 |
| 417 | passage | | | | | | | | | | | | | | | | | | | | | | 0 |
| 418 | building, establishment | | | | | | | | | | | | | | | | | | | | | | 0 |
| | other temporary buildings, establishments | | | | | | | | | | | | | | | | | | | | | | 0 |
| 511 | explosive substance | | | | | | | | | | | | | | | | | | | | | | 0 |
| 512 | inflammable substance | | | | | | | | | | | | | | | | | | | | | | 0 |
| 513 | inflammable gas | | | | | | | | | | | | | | | | | | | | | | 0 |
| 514 | harmful substance | | | | | | | | | | | | 1 | | | | | | | | | | 1 |
| 515 | radiation | | | | | | | | | | | | | | | | | | | | | | 0 |
| 519 | other hazards, harmful substances | | | | | | | | | | | | | | | | | | | | | | 0 |
| 521 | metal material | | | | | | | | | | | | | | | | | | | | | | 0 |
| 522 | lumber, bamboo | | | | | | | | | | | | | | | | | | | | | | 0 |
| 523 | stone, sand, substance | | | | | | | | | | | | | | | | | | | | | | 0 |
| 529 | other materials | | | | | | | | | | | | | | | | | | | | | | 0 |
| 611 | load | | | | | | | | | | | | | | | | | | | | | | 0 |
| 612 | machine/equipment as load | | | | | | | | | | | | | | | | | | | | | | 0 |
| 711 | natural ground, rock | | | | | | | | | | | | | | | | | | | | | | 0 |
| 712 | standing tree | | | | | | | | | | | | | | | | | | | | | | 0 |
| 713 | water | | | | | | | | | | | | | | | | | | | | | | 0 |
| 714 | abnormal environment | | | | | | | | | | | | | | | | | | | | | | 0 |
| 715 | high/cold temperature environment | | | | | | | | | | | | | | | | | | | | | | 0 |
| 719 | other environments | | ĺ | | | | | | i | | | | | | | | П | | | | | | 0 |
| | other causal agent | | ĺ | | | | | | i | | | | | | | | П | | | | | | 0 |
| | no causal agent | | ĺ | | | | | | i | | | | | | | | П | | | | 1 | | 1 |
| 999 | unclassifiable | | ĺ | | | | | | | | | | | | | | \Box | | | | | | 0 |
| 000 | total | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 6 |

Data of 2011 year do not include Industrial accidents caused by Great East Japan Earthquake in 2011.

Data sources: https://anzeninfo.mhlw.go.jp/anzen_pg/SIB_FND.aspx (MHLW, Japan)

Return to https://www.jisha.or.jp/english/statistics/2020efretcs.html