printing service industry Code No.010701

Type of accidents in printing service 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 | 40 | 38 | 68 | 67 | 46 | 47 | 46 | 38 | 45 | 47 | 53 | 32 | 43 | 37 | 37 | 31 | 37 | 39 | 35 | 27 | 33 | 35 | 37 | 958 | fall from height |
| falling to same level | 77 | 75 | 78 | 56 | 72 | 75 | 52 | 81 | 62 | 68 | 74 | 55 | 51 | 74 | 59 | 62 | 54 | 57 | 57 | 77 | 56 | 64 | 58 | 1,494 | falling to same level |
| crash | 26 | 31 | 26 | 19 | 24 | 26 | 28 | 22 | 23 | 14 | 24 | 16 | 18 | 13 | 11 | 22 | 13 | 16 | 12 | 16 | 17 | 19 | 22 | 458 | crash |
| struck by flying or falling object | 23 | 29 | 20 | 25 | 16 | 27 | 27 | 22 | 20 | 19 | 19 | 16 | 11 | 13 | 13 | 20 | 16 | 13 | 8 | 16 | 14 | 7 | 14 | 408 | struck by flying or falling object |
| collapse | 7 | 14 | 7 | 7 | 5 | 8 | 7 | 9 | 7 | 11 | 8 | 7 | 6 | 5 | 8 | 4 | 6 | 10 | 2 | 5 | 11 | 7 | 9 | 170 | collapse |
| crashed by | 25 | 18 | 19 | 11 | 18 | 9 | 10 | 15 | 13 | 12 | 12 | 13 | 10 | 12 | 6 | 13 | 8 | 9 | 9 | 2 | 10 | 7 | 5 | 266 | crashed by |
| caught in/between | 464 | 470 | 398 | 411 | 345 | 357 | 321 | 313 | 289 | 290 | 269 | 236 | 237 | 205 | 204 | 209 | 169 | 173 | 161 | 163 | 146 | 152 | 139 | 6,121 | caught in/between |
| cut | 51 | 59 | 61 | 50 | 38 | 43 | 37 | 34 | 34 | 30 | 40 | 41 | 25 | 21 | 24 | 18 | 22 | 22 | 20 | 19 | 26 | 26 | 29 | 770 | cut |
| injury to the sole of the foot | | | 2 | 1 | 1 | | | | | | | | | | | 1 | | 2 | | | | 1 | | 8 | injury to the sole of the foot |
| drown | | | | | | | 1 | | | | | | 3 | | | | | | | | | | | 4 | drown |
| contact to high/low- temperature | 5 | 7 | 3 | 5 | 2 | 5 | 1 | 2 | 3 | 2 | 2 | 9 | 3 | | 1 | 1 | | 2 | 2 | 4 | 4 | 3 | | 66 | contact to high/low- temperature |

| contact to harmful | 1 | | 5 | 4 | 1 | 3 | 2 | 1 | 1 | 1 | 2 | 3 | 3 | 1 | 1 | 1 | 2 | | 2 | 1 | 1 | 5 | 2 | | contact to harmful |
|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------|-----|-----|-----|-----|-----|--------|-----------------------|
| | | | | | | | | | | | | | | | | | | | | | | | | | substance |
| electric shock | | 1 | 2 | | | 1 | 1 | 1 | | | 1 | 1 | | | 1 | | | | | | | | | 9 | electric shock |
| explosion | | | | | 1 | | | | | | | | 1 | | | | | | | | | | | 2 | explosion |
| burst | | | | 1 | | | | | 2 | | | | | | | 1 | | | | | | | | 4 | burst |
| fire | | 1 | 2 | | 1 | | 1 | | | | | | | | 2 | 1 | 1 | | | | | | | 9 | fire |
| traffic accident | 26 | 24 | 13 | 17 | 15 | 13 | 12 | 11 | 10 | 6 | 12 | 9 | 12 | 4 | 15 | 3 | 5 | 4 | 2 | 5 | 3 | 5 | 6 | 232 | traffic accident |
| (public road) | 20 | 24 | כו | ' | כו | 13 | 12 | 11 | | | 12 | | 12 | 7 | | | | T | | | 5 | | | | (public road) |
| traffic accident | 1 | | | 1 | | | | | | 1 | 1 | | | | | | | | | | 1 | | | 5 | traffic accident |
| (others) | | | | | | | | | | | | | | | | | | | | | | | | - | (others) |
| reaction to | | | | | | | | | | | | | | | | | | | | | | | | | reaction to |
| motion/improper | 70 | 52 | 60 | 57 | 52 | 49 | 44 | 48 | 68 | 48 | 46 | 46 | 41 | 45 | 35 | 38 | 31 | 20 | 45 | 45 | 37 | 34 | 39 | 1,050 | motion/improper |
| motion | | | | | | | | | | | | | | | | | | | | | | | | | motion |
| others | 3 | 1 | | 1 | 2 | 2 | 2 | 2 | | | 2 | 1 | 2 | 2 | 1 | 1 | 4 | 1 | 5 | 1 | 3 | 9 | 10 | 55 | others |
| unclassifiable | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | | | | 1 | | | | | | | 1 | | | 14 | unclassifiable |
| total | 820 | 821 | 765 | 735 | 640 | 666 | 593 | 600 | 579 | 550 | 565 | 485 | 466 | 433 | 418 | 426 | 368 | 368 | 360 | 381 | 363 | 374 | 370 | 12,146 | total |

Causal agents (large) of fatal and non-fatal accidents in printing service 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) |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------------|
| edusar (2) agents | | | | | | | | | | | | | | | | | | | | | | | | | agents |
| machine | 504 | 492 | 434 | 447 | 358 | 395 | 337 | 327 | 319 | 308 | 308 | 269 | 249 | 219 | 219 | 213 | 175 | 180 | 171 | 168 | 152 | 168 | 157 | 6,569 | machine |
| crane, conveying | | | | | | | | | | | | | | | | | | | | | | | | | crane, |

| machine | 66 | 67 | 45 | 53 | 59 | 49 | 60 | 47 | 45 | 47 | 48 | 26 | 36 | 35 | 34 | 34 | 43 | 24 | 33 | 28 | 25 | 19 | 27 | 950 | conveying |
|----------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|----------------|
| machine | | | | | | | | | | | | | | | | | | | | | | | | | machine |
| other aguinment | 66 | 67 | 90 | 59 | 57 | 64 | 58 | 59 | 50 | 49 | 51 | 64 | 51 | 42 | 44 | 49 | 38 | 51 | 30 | 42 | 48 | 46 | 51 | 1,226 | other |
| other equipment | 00 | 67 | 90 | 39 | 37 | 04 | 36 | 39 | 30 | 49 | 31 | 04 | 31 | 42 | 44 | 49 | 36 | 31 | 30 | 42 | 40 | 40 | 31 | 1,220 | equipment |
| ************************************** | | | | | | | | | | | | | | | | | | | | | | | | | temporary |
| temporary buildings, establishments | 81 | 78 | 92 | 82 | 78 | 75 | 65 | 76 | 75 | 74 | 80 | 52 | 56 | 78 | 60 | 70 | 59 | 65 | 69 | 70 | 64 | 64 | 70 | 1,633 | buildings, |
| establishments | | | | | | | | | | | | | | | | | | | | | | | | | establishments |
| substance material | 28 | 42 | 34 | 24 | 23 | 31 | 23 | 29 | 22 | 20 | 20 | 25 | 23 | 18 | 21 | 17 | 18 | 16 | 15 | 11 | 16 | 19 | 17 | 512 | substance, |
| substance, material | 20 | 42 | 34 | 24 | 23 | 31 | 23 | 29 | 22 | 20 | 20 | 25 | 23 | 10 | 21 | 17 | 10 | 10 | 13 | 11 | 10 | 19 | 17 | 312 | material |
| load | 47 | 34 | 40 | 38 | 34 | 24 | 22 | 31 | 46 | 26 | 32 | 23 | 23 | 18 | 18 | 20 | 18 | 21 | 20 | 30 | 29 | 23 | 23 | 640 | load |
| environment | 2 | 6 | 7 | 6 | 3 | 1 | 2 | 5 | 1 | 2 | 5 | 6 | 7 | | 3 | 3 | 2 | 4 | 1 | 9 | 5 | 8 | 3 | 91 | environment |
| others | 26 | 35 | 23 | 26 | 28 | 27 | 26 | 26 | 21 | 24 | 21 | 20 | 21 | 23 | 19 | 20 | 15 | 7 | 21 | 23 | 24 | 27 | 22 | 525 | others |
| total | 820 | 821 | 765 | 735 | 640 | 666 | 593 | 600 | 579 | 550 | 565 | 485 | 466 | 433 | 418 | 426 | 368 | 368 | 360 | 381 | 363 | 374 | 370 | 12,146 | total |

Causal agents (middle) of fatal and non-fatal accidents in printing service 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 | 13 | 7 | 4 | 10 | 4 | 5 | 4 | 3 | 1 | 6 | 7 | 3 | 2 | 3 | 4 | 2 | 1 | 2 | 2 | 3 | 2 | 3 | 3 | 94 | power transmission mechanism |
| woodworking machine | 2 | | 4 | 2 | 3 | 1 | 1 | | | | 4 | | | 1 | | | | 1 | | | 3 | | 1 | 23 | woodworking machine |
| | | | | | | | | | | | | | | | | | | | | | | | | | |

| construction machine | | | | | | | | | | | | | | | | | | | | | | | | | construction |
|--------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----------------------------------|
| | | | | | | | | | | | | | | | | | | | | | | | | | machine |
| metal manufacturing machine | 32 | 21 | 19 | 10 | 18 | 13 | 10 | 15 | 20 | 11 | 11 | 15 | 11 | 6 | 5 | 10 | 11 | 7 | 6 | 8 | 4 | 10 | 10 | 283 | metal manufacturing machine |
| general machine | 457 | 464 | 407 | 425 | 333 | 376 | 322 | 309 | 298 | 291 | 286 | 251 | 236 | 209 | 210 | 201 | 163 | 170 | 163 | 157 | 142 | 155 | 143 | 6,168 | general machine |
| mobile silviculture machine | | | | | | | | | | | | | | | | | | | | | 1 | | | 1 | mobile silviculture machine |
| crane | 2 | 4 | 6 | 3 | 3 | 5 | 7 | 1 | 6 | 4 | 7 | 4 | 1 | 4 | 3 | 2 | 3 | | 2 | 2 | 2 | 4 | 3 | 78 | crane |
| conveying machine | 38 | 38 | 26 | 32 | 39 | 27 | 42 | 35 | 30 | 32 | 26 | 12 | 22 | 27 | 17 | 27 | 31 | 19 | 26 | 22 | 17 | 9 | 19 | 613 | conveying machine |
| vehicle | 26 | 25 | 13 | 18 | 17 | 17 | 11 | 11 | 9 | 11 | 15 | 10 | 13 | 4 | 14 | 5 | 9 | 5 | 5 | 4 | 6 | 6 | 5 | 259 | vehicle |
| pressure vessel | 1 | | | | | | 1 | | | | | | | | | | | | | | | | | 2 | pressure vessel |
| chemical facilities | | | | | | | | | | | | | | | | | | | | | | | | | chemical facilities |
| welding equipment | | | | | | 1 | 1 | | | | | | | | | | | | | 1 | | | | 3 | welding equipment |
| kiln, caldron | 1 | 1 | 1 | 1 | | 1 | | | | | | | | | | | | | | 1 | | | 2 | 8 | kiln, caldron |
| electric equipment | 1 | | 1 | | | | | 1 | | | 1 | 1 | | | | | | | | 1 | | | 1 | 7 | electric equipment |
| human power machine, tools | 27 | 27 | 40 | 22 | 21 | 25 | 23 | 20 | 20 | 16 | 14 | 32 | 16 | 18 | 12 | 21 | 8 | 19 | 6 | 19 | 21 | 14 | 15 | 456 | human power machine, tools |

| tools | 22 | 23 | 35 | 30 | 26 | 26 | 23 | 26 | 24 | 27 | 28 | 24 | 30 | 15 | 21 | 23 | 26 | 26 | 18 | 16 | 19 | 23 | 27 | 558 | tools |
|----------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|-------------------------------------------|
| other equipments, | 14 | 16 | 13 | 6 | 10 | 11 | 10 | 12 | 6 | 6 | 8 | 7 | 5 | 9 | 11 | 5 | 4 | 6 | 6 | 4 | 8 | 9 | 6 | 192 | other equipments, facilities |
| temporary buildings, establishments | 81 | 78 | 92 | 82 | 78 | 75 | 65 | 76 | 75 | 74 | 80 | 52 | 56 | 78 | 60 | 70 | 59 | 65 | 69 | 70 | 64 | 64 | 70 | 1,633 | temporary buildings, establishments |
| hazards, harmful substances | 3 | 3 | 8 | 5 | 3 | 3 | 3 | 3 | 2 | 1 | 2 | 5 | 3 | 1 | 4 | 2 | 3 | | 3 | 1 | 1 | 6 | 1 | 66 | hazards, harmful substances |
| materials | 25 | 39 | 26 | 19 | 20 | 28 | 20 | 26 | 20 | 19 | 18 | 20 | 20 | 17 | 17 | 15 | 15 | 16 | 12 | 10 | 15 | 13 | 16 | 446 | materials |
| load | 47 | 34 | 40 | 38 | 34 | 24 | 22 | 31 | 46 | 26 | 32 | 23 | 23 | 18 | 18 | 20 | 18 | 21 | 20 | 30 | 29 | 23 | 23 | 640 | load |
| natural environment | 2 | 6 | 7 | 6 | 3 | 1 | 2 | 5 | 1 | 2 | 5 | 6 | 7 | | 3 | 3 | 2 | 4 | 1 | 9 | 5 | 8 | 3 | 91 | natural environment |
| other causal agent | 4 | 10 | 6 | 4 | 4 | 5 | 6 | 7 | 3 | 3 | 4 | | 4 | 3 | 4 | 3 | 2 | 2 | 4 | 5 | 4 | 7 | 13 | 107 | other causal |
| no causal agent | 21 | 23 | 17 | 20 | 24 | 21 | 19 | 19 | 16 | 20 | 16 | 19 | 17 | 18 | 15 | 17 | 13 | 5 | 16 | 18 | 18 | 20 | 9 | 401 | no causal agent |
| unclassifiable | 1 | 2 | | 2 | | 1 | 1 | | 2 | 1 | 1 | 1 | | 2 | | | | | 1 | | 2 | | | 17 | unclassifiable |
| total | 820 | 821 | 765 | 735 | 640 | 666 | 593 | 600 | 579 | 550 | 565 | 485 | 466 | 433 | 418 | 426 | 368 | 368 | 360 | 381 | 363 | 374 | 370 | 12,146 | total |

Causal agents (small) of fatal and non-fatal accidents in printing service 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 mechanism | | 4 | 4 | 4 | 3 | 1 | 6 | 7 | 3 | 2 | 3 | 4 | 2 | 1 | 2 | 2 | 3 | 2 | 3 | 3 | 59 | power transmission mechanism |
| circular sawing machine | | 4 | 2 | 1 | | | | 3 | | | 1 | | | | 1 | | | 2 | | 1 | 15 | circular sawing machine |
| band sawing machine | | | | | | | | | | | | | | | | | | | | | | band sawing machine |
| wood planer machine | | | | | | | | | | | | | | | | | | 1 | | | 1 | 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 | | | 1 | | | | | | | | | | | | | | | | | | 1 | chain saw |
| other woodworking machines | | | | | | | | 1 | | | | | | | | | | | | | 1 | other woodworking machines |
| leveling, transporting or loading machine | | | | | | | | | | | | | | | | | | | | | | leveling, transporting or loading machine |
| excavating machine | | | | | | | | | | | | | | | | | | | | | | excavating machine |
| foundation work machine | | | | | | | | | | | | | | | | | | | | | | foundation work |

| [' | | | | | | | | | | | | | | | - | | | | | | | <u> </u> |
|-----------------------|------|----|------|------|----|----|----|----|----|----|---|---|---|---|---|----|----|---|----|----|-----|-----------------------|
| hardening machine | | | | | | | | | | | | | | | | | | | | | | hardening machine |
| demolition machine | | | | | | | | | | | | | | | | | | | | | | demolition machine |
| vehicle for high lift | | | | | | | | | | | | | | | | | | | | | | vehicle for high lift |
| work | | | | | | | | | | | | | | | | | | | | | | work |
| other construction | | | | | | | | | | | | | | | | | | | | | | other construction |
| machines | | | | | | | | | | | | | | | | | | | | | | machines |
| lathe | | | | | | 1 | | | | | | | | 1 | | | 1 | | | | 3 | lathe |
| drill press, milling | | 1 | | | | | 1 | | | | | | | | | | | | | | 2 | drill press, milling |
| machine | | ı | | | | | | | | | | | | | | | | | | | | machine |
| grinding machine, | | 2 | 2 | | | 1 | | | | | | | | 2 | | | 1 | | | | 8 | grinding machine, |
| buffing machine | | | | | | | | | | | | | | | | | | | | | | buffing machine |
| power press | | | 2 | | 4 | 3 | 2 | 1 | 2 | 2 | | 1 | 2 | | | | 1 | | | 2 | 22 | power press |
| forging pressure | | | | | | | | | | | | | | | | | | | | | | forging pressure |
| hammer | | | | | | | | | | | | | | | | | | | | | | hammer |
| shearing machine | 9 | 9 | 9 | 9 | 7 | 12 | 7 | 8 | 10 | 8 | 4 | 4 | 8 | 8 | 7 | 5 | 2 | 4 | 10 | 7 | 138 | shearing machine |
| other metal | | | | | | | | | | | | | | | | | | | | | | other metal |
| manufacturing | | 7 | 5 | 1 | 4 | 3 | 1 | 2 | 3 | 1 | 2 | | | | | 1 | 3 | | | 1 | 34 | manufacturing |
| machines | | | | | | | | | | | | | | | | | | | | | | machines |
| centrifugal machine | | | | | | 1 | | | | | | | | | | | | | | 1 | 2 | centrifugal machine |
| mixer, grinder | | 1 | | | | | | 1 | | | | | | | | | | | | 1 | 3 | mixer, grinder |
| roll machine (except | | | | | | | | | | | | | | | | | | | | | | roll machine (except |
| printingroll | | 11 | 7 | 10 | 10 | 11 | 10 | 12 | 11 | 11 | 8 | 8 | 4 | 5 | 7 | 11 | 10 | 5 | 5 | 10 | 166 | printingroll |
| machine) | | | | | | | | | | | | | | | | | | | | | | machine) |
| injection molding | | | | | | | | | | | | | | | | | | | | | | injection molding |

| machine | | 1 | | | | | | | | | | | | | | | | 1 | 1 | | 3 | machine |
|------------------------------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|-----|-----|-------|------------------------------|
| food manufacturing machine | | | | 1 | 2 | | | 1 | | | 1 | 1 | | | | | | 1 | | | 7 | food manufacturing machine |
| printing machine | | 336 | 260 | 264 | 233 | 227 | 236 | 219 | 185 | 176 | 161 | 149 | 154 | 114 | 126 | 114 | 98 | 97 | 112 | 104 | 3,365 | printing machine |
| industrial robot | | | | | | 1 | | | | 2 | 1 | | | | | | 1 | | | | 5 | industrial robot |
| other general power machines | | 58 | 66 | 47 | 64 | 58 | 45 | 53 | 55 | 47 | 38 | 52 | 43 | 44 | 37 | 38 | 48 | 38 | 37 | 27 | 895 | other general power machines |
| felling machine | | | | | | | | | | | | | | | | | | 1 | | | 1 | felling machine |
| mobile logging machine | | | | | | | | | | | | | | | | | | | | | | mobile logging machine |
| skyline yarding machine | | | | | | | | | | | | | | | | | | | | | | skyline yarding machine |
| other mobile | | | | | | | | | | | | | | | | | | | | | | other mobile |
| silviculture machine | | | | | | | | | | | | | | | | | | | | | | silviculture machine |
| crane | | 2 | | 1 | | | | 1 | | | 1 | 1 | | 1 | | | 1 | | | 1 | 9 | crane |
| mobile crane | | | | | | | | | | | | | | | | 1 | | | | | 1 | mobile crane |
| derrick crane | | | | | | | | | | | | | | | | | | | | | | derrick crane |
| elevator, lift | | 4 | 2 | 6 | 1 | 5 | 4 | 5 | 2 | | 3 | 1 | 1 | 1 | | 1 | 1 | 2 | 2 | 1 | 42 | elevator, lift |
| cargo lifting appliance | | | | | | | | | | | | | | | | | | | | | | cargo lifting appliance |
| gondola | | | | | | | | | | | | | | | | | | | | | | gondola |
| lumberyard | | | | | | | | | | | | | | | | | | | | | | lumberyard |
| equipment, logging | | | | | | | | | | | | | | | | | | | | | | equipment, logging |
| cableway | | | | | | | | | | | | | | | | | | | | | | cableway |

| | | <u> </u> | | | <u> </u> | | | <u> </u> | | <u> </u> | <u> </u> | <u> </u> | | <u> </u> | | |
|-------------------------------------|------|----------|---|----|----------------------------------------------|----|----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----|----------|----------|----------|---|----------|-----|-------------------------------------|
| simple skyline yarding equipment | | | | | | | | | | | | | | | | | | | | | | | | simple skyline yarding equipment |
| other powered crane | | | 1 | 1 | | | | 1 | | 1 | 2 | 1 | | 1 | 1 | 1 | | | | | 2 | 1 | 12 | other powered |
| truck | 5 | | 5 | 5 | | 4 | 4 | 6 | 3 | 3 | 1 | 6 | 6 | 4 | 3 | 6 | 2 | 3 | 4 | 4 | | 3 | 72 | truck |
| forklift | 15 | | 2 | 23 | | 25 | 20 | 19 | 22 | 16 | 6 | 8 | 14 | 10 | 18 | 15 | 12 | 15 | 10 | 11 | 5 | 9 | 273 | forklift |
| railway equipment | | | | | | | 1 | | | | | 1 | | | 1 | | | | | | | | 3 | railway equipment |
| conveyor | 5 | | 8 | 3 | | 6 | 7 | 4 | 4 | 4 | 1 | 5 | 3 | 3 | 3 | 7 | 3 | 4 | 5 | 1 | 4 | 5 | 82 | conveyor |
| loader | | | | | | | | | | | | | | | | | | | | | | | | loader |
| straddle carrier | | | | | | | | | | | | | | | | | | | | | | | | straddle carrier |
| rough terrain hauler | | | | | | | | | | | | | | | | | | | | | | | | rough terrain hauler |
| other powered conveying machines | 1 | | 3 | 3 | | 7 | 3 | 1 | 3 | 3 | 4 | 2 | 4 | | 2 | 3 | 2 | 4 | 3 | 1 | | 2 | 48 | other powered conveying machines |
| cars, bus, motorcycle | 13 | | 1 | 15 | | 11 | 11 | 9 | 11 | 15 | 10 | 12 | 4 | 13 | 4 | 8 | 4 | 5 | 4 | 6 | 6 | 5 | 166 | cars, bus, motorcycle |
| railway vehicle | | | | | | | | | | | | | | | | | | | | | | | | railway vehicle |
| other vehicles | | | 2 | 2 | | | | | | | | 1 | | 1 | 1 | 1 | 1 | | | | | | 7 | other vehicles |
| boiler | | | | | | | | | | | | | | | | | | | | | | | | boiler |
| pressure vessel | | | | | | | | | | | | | | | | | | | | | | | | pressure vessel |
| other pressure vessels | | | | | | 1 | | | | | | | | | | | | | | | | | 1 | other pressure vessels |
| chemical facilities | | | | | | | | | | | | | | | | | | | | | | | | chemical facilities |
| gas welding | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | gas welding |

| equipment | | | | | | | | | | | | | | | | | | | | | | equipment |
|---------------------|--|----|----|-----|----|----------|----|----|----|----|-----|----|----|----|----|----|----|----|----|----|-----|---------------------|
| arc welding | | | | 1 | | | | | | | | | | | | | | | | | 1 | arc welding |
| equipment | | | | | | | | | | | | | | | | | | | | | | equipment |
| other welding | | | | | | | | | | | | | | | | | | | | | | other welding |
| equipment | | | | | | | | | | | | | | | | | | | | | | equipment |
| kiln, caldron | | 1 | | | | | | | | | | | | | | | | | | 1 | 2 | kiln, caldron |
| industrial dryer | | | | | | | | | | | | | | | | | | | | 1 | 1 | industrial dryer |
| other kiln, caldron | | | | | | | | | | | | | | | | | 1 | | | | 1 | other kiln, caldron |
| transmission | | | | | 1 | | | 1 | | | | | | | | | | | | 1 | 3 | transmission |
| electric power | | | | | | | | | | | | | | | | | | | | | 1 | electric power |
| facilities | | | | | | | | | | | | | | | | | | | | | I | facilities |
| other electrical | | | | | | | | | | | | | | | | | | | | | | other electrical |
| equipment | | 1 | | | | | | | 1 | | | | | | | | | | | | 2 | equipment |
| human power | | | | | | | | | | | | | | | | | | | | | | human power |
| cranes | | | | | | | | | | | | | | | | | 1 | 1 | | 2 | 5 | cranes |
| human power | | 18 | 7 | 11 | 11 | 12 | 10 | 9 | 22 | 10 | 11 | 6 | 9 | 3 | 13 | 3 | 14 | 14 | 8 | 9 | 200 | human power |
| hauling equipment | | 10 | | ' ' | | 12 | 10 | 9 | 22 | 10 | ' ' | 0 | 9 | 3 | 13 | 3 | 14 | 14 | 0 | 9 | 200 | hauling equipment |
| human power | | | | | | | | | | | | | | | | | | | | | 21 | human power |
| machine | | 4 | 2 | | | | ľ | 2 | 2 | 2 | 1 | 1 | 4 | | | ľ | | | ľ | | 21 | machine |
| hand tool | | 18 | 12 | 12 | 9 | 7 | 5 | 3 | 8 | 4 | 6 | 5 | 8 | 5 | 6 | 2 | 4 | 6 | 5 | 4 | 129 | hand tool |
| ladder | | 15 | 15 | 11 | 14 | 15 | 11 | 15 | 9 | 16 | 8 | 12 | 10 | 9 | 12 | 7 | 3 | 4 | 10 | 9 | 205 | ladder |
| slinging tool | | 1 | | | | | | | | | | | | | | | | | | | 1 | slinging tool |
| other tools | | 19 | 11 | 12 | 12 | 9 | 16 | 13 | 15 | 14 | 7 | 9 | 13 | 17 | 14 | 11 | 13 | 15 | 13 | 18 | 251 | other tools |
| other equipment, | | | | | | | | | | | | | | | | | | | | | | other equipment, |

| facilities | | 13 | 10 | 10 | 12 | 6 | 6 | 8 | 7 | 5 | 9 | 11 | 5 | 4 | 6 | 6 | 4 | 8 | 9 | 6 | 145 | facilities |
|-----------------------------------------------------|--|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----------------------------------------------------|
| scaffolding | | | | | | 1 | | 1 | | | 1 | | 1 | 1 | | | | | | | 5 | scaffolding |
| timbering | | | | | | | | | | | | | | | | | | | | | | timbering |
| stairs, landing stage | | 28 | 27 | 21 | 25 | 29 | 26 | 28 | 14 | 21 | 23 | 12 | 13 | 25 | 17 | 22 | 16 | 23 | 27 | 27 | 424 | stairs, landing stage |
| opening | | | | 2 | 1 | | 1 | 3 | | | 1 | 1 | | 1 | 1 | 1 | 1 | | | 2 | 15 | opening |
| roof, beam, haze, crossbeam, principal rafter | | 2 | | | | 1 | | | | | 1 | | 1 | 1 | 1 | 1 | | | 1 | 1 | 10 | roof, beam, haze, crossbeam, principal rafter |
| working platform, boot board | | 15 | 11 | 7 | 11 | 9 | 10 | 6 | 5 | 10 | 10 | 10 | 7 | 9 | 8 | 9 | 11 | 5 | 5 | 5 | 163 | working platform, boot board |
| passage | | 28 | 27 | 26 | 26 | 23 | 23 | 29 | 27 | 16 | 27 | 25 | 30 | 17 | 30 | 26 | 26 | 25 | 21 | 26 | 478 | passage |
| building, establishment | | 12 | 9 | 6 | 6 | 6 | 10 | 7 | 4 | 4 | 8 | 8 | 9 | 2 | 3 | 5 | 7 | 5 | 4 | 7 | 122 | building, establishment |
| other temporary buildings, establishments | | 7 | 4 | 3 | 7 | 6 | 4 | 6 | 2 | 5 | 7 | 4 | 9 | 3 | 5 | 5 | 9 | 6 | 6 | 2 | 100 | other temporary buildings, establishments |
| explosive substance | | | | | | | | | | | | | | | | | | | | | | explosive substance |
| inflammable substance | | 2 | 1 | 1 | 3 | 1 | | | 2 | | | 1 | | 1 | | 1 | | | | | 13 | inflammable substance |
| inflammable gas | | | | | | 1 | | | | | | | | | | | | | | | 1 | inflammable gas |
| harmful substance | | 2 | | 1 | | | 1 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | | 2 | 1 | 1 | | 1 | 20 | harmful substance |
| radiation | | | | | | | | | | | | | | | | | | | | | | radiation |
| other hazards, | | 4 | 2 | 1 | | | | 1 | 1 | 1 | | 1 | | 1 | | | | | 6 | | 18 | other hazards, harmful substances |

| | | $\parallel \parallel \parallel$ | | <u> </u> | | \sqsubseteq | <u> </u> | | | <u> </u> | <u> </u> | <u> </u> | | <u> </u> | <u> </u> | | | | <u> </u> | | | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
|--------------------|--|---------------------------------|-----|----------|-----|---------------|----------|-----|-----|----------|----------|----------|-----|----------|----------|-----|-----|-----|----------|-----|-----|----------|----------|----------|--------------------|
| metal material | | 9 | 9 | | 8 | | 7 | 8 | 6 | 7 | 6 | 7 | 12 | 7 | 5 | 4 | 4 | 7 | 4 | 5 | 3 | 6 | 5 | 120 | metal material |
| lumber, bamboo | | 3 | 3 | | 1 | | | 3 | 1 | 2 | | 2 | | 2 | 2 | 1 | | | | | | | | 17 | lumber, bamboo |
| stone, sand, | | | | | | | | 2 | 1 | | | | | | | | | | | | | | | 3 | stone, sand, |
| substance | | | | | | | | | | | | | | | | | | | | | | | | | substance |
| other materials | | 1 | 14 | | 11 | | 13 | 13 | 12 | 10 | 12 | 11 | 8 | 8 | 10 | 10 | 11 | 9 | 8 | 5 | 12 | 7 | 11 | 195 | other materials |
| load | | 3 | 37 | | 31 | | 19 | 29 | 45 | 23 | 29 | 20 | 22 | 16 | 16 | 20 | 15 | 19 | 18 | 27 | 29 | 22 | 22 | 459 | load |
| machine/equipment | | | , | | 3 | | 3 | 2 | 1 | 3 | 3 | 3 | 1 | 2 | 2 | | 3 | 2 | 2 | 3 | | 1 | 1 | 38 | machine/equipment |
| as load | | | | | 3 | | 3 | | 1 | | 3 | 3 | ľ | | | | ٥ | | | 3 | | | | | as load |
| natural ground, | | | 1 | | | | 1 | | 1 | 1 | 1 | | | | | | | | | | 1 | | | 6 | natural ground, |
| rock | | | | | | | • | | | | | | | | | | | | | | | | | | rock |
| standing tree | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | 2 | standing tree |
| water | | | | | | | | 1 | | | | | 4 | | | | | | | | | | | 5 | water |
| abnormal | | | | | | | | | | | | | | | | | | | | 1 | | | | II. | abnormal |
| environment | | | | | | | | | | | | 1 | | | | | | | | l I | | | | 2 | environment |
| high/cold | | | | | | | | | | | | | | | | | | | | | | | | | high/cold |
| temperature | | | 2 | | | | | | | | 1 | 2 | | | | 1 | | 1 | | 3 | 3 | 2 | | 15 | temperature |
| environment | | | | | | | | | | | | | | | | | | | | | | | | | environment |
| other environments | | | 4 | | 3 | | 1 | 4 | | 1 | 3 | 3 | 2 | | 3 | 2 | 2 | 3 | 1 | 5 | 1 | 5 | 3 | 46 | other environments |
| other causal agent | | ϵ | 5 | | 4 | | 6 | 7 | 3 | 3 | 4 | | 4 | 3 | 4 | 3 | 2 | 2 | 4 | 5 | 4 | 7 | 13 | 84 | other causal agent |
| no causal agent | | 1 | 17 | | 24 | | 19 | 19 | 16 | 20 | 16 | 19 | 17 | 18 | 15 | 17 | 13 | 5 | 16 | 18 | 18 | 20 | 9 | 316 | no causal agent |
| unclassifiable | | | | | | | 1 | | 2 | 1 | 1 | 1 | | 2 | | | | | 1 | | 2 | | | 11 | unclassifiable |
| total | | 7 | 765 | | 640 | | 593 | 600 | 579 | 550 | 565 | 485 | 466 | 433 | 418 | 426 | 368 | 368 | 360 | 381 | 363 | 374 | 370 | 9,104 | 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 | 40 | 29 | 24 | 24 | 28 | 23 | 22 | 17 | 23 | 23 | 11 | 19 | 21 | 17 | 15 | 20 | 10 | 9 | 11 | 10 | 8 | 13 | 10 | 427 | 19 years old or less |
| 20-29 | 242 | 268 | 248 | 224 | 189 | 180 | 176 | 175 | 143 | 129 | 121 | 91 | 112 | 80 | 84 | 74 | 77 | 61 | 74 | 65 | 65 | 55 | 63 | 2,996 | 20-29 |
| 30-39 | 156 | 157 | 174 | 161 | 130 | 169 | 135 | 135 | 130 | 157 | 168 | 149 | 110 | 115 | 93 | 108 | 74 | 72 | 76 | 73 | 63 | 68 | 58 | 2,731 | 30-39 |
| 40-49 | 141 | 129 | 127 | 115 | 93 | 111 | 84 | 103 | 112 | 95 | 90 | 94 | 105 | 90 | 97 | 96 | 78 | 111 | 96 | 101 | 99 | 104 | 97 | 2,368 | 40-49 |
| 50-59 | 184 | 187 | 151 | 151 | 146 | 123 | 124 | 111 | 119 | 97 | 105 | 74 | 70 | 85 | 80 | 79 | 82 | 76 | 69 | 86 | 73 | 80 | 83 | 2,435 | 50-59 |
| 60 years old or more | 57 | 51 | 41 | 60 | 54 | 60 | 52 | 59 | 52 | 49 | 70 | 58 | 48 | 46 | 49 | 49 | 47 | 39 | 34 | 46 | 55 | 54 | 59 | 1,189 | 60 years old or more |
| total | 820 | 821 | 765 | 735 | 640 | 666 | 593 | 600 | 579 | 550 | 565 | 485 | 466 | 433 | 418 | 426 | 368 | 368 | 360 | 381 | 363 | 374 | 370 | 12,146 | total |

Workers' number of workplace of fatal and non-fatal accidents in printing service 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 | 155 | 129 | 135 | 142 | 107 | 108 | 89 | 91 | 96 | 79 | 77 | 69 | 56 | 48 | 61 | 52 | 52 | 47 | 35 | 36 | 27 | 34 | 34 | 1,759 | 9 workers or less |
| 10-29 | 215 | 220 | 200 | 199 | 170 | 158 | 144 | 131 | 134 | 131 | 138 | 115 | 110 | 88 | 91 | 91 | 68 | 74 | 65 | 75 | 80 | 73 | 66 | 2,836 | 10-29 |
| 30-49 | 121 | 134 | 108 | 102 | 89 | 98 | 89 | 111 | 86 | 97 | 99 | 93 | 85 | 82 | 70 | 72 | 53 | 58 | 63 | 58 | 69 | 74 | 59 | 1,970 | 30-49 |
| 50-99 | 111 | 152 | 123 | 116 | 106 | 134 | 108 | 116 | 111 | 100 | 88 | 90 | 88 | 92 | 79 | 84 | 72 | 77 | 73 | 86 | 72 | 84 | 85 | 2,247 | 50-99 |
| 100-299 | 145 | 108 | 129 | 116 | 113 | 115 | 120 | 100 | 103 | 95 | 118 | 75 | 82 | 82 | 79 | 89 | 82 | 79 | 91 | 84 | 74 | 65 | 85 | 2,229 | 100-299 |
| 300 workers or | 73 | 78 | 70 | 60 | 55 | 53 | 43 | 51 | 49 | 48 | 45 | 43 | 45 | 41 | 38 | 38 | 41 | 33 | 33 | 42 | 41 | 44 | 41 | 1,105 | 300 workers or |
| more | | | | | | | | | | | | | | | | | | | | | | | | 1,103 | more |
| total | 820 | 821 | 765 | 735 | 640 | 666 | 593 | 600 | 579 | 550 | 565 | 485 | 466 | 433 | 418 | 426 | 368 | 368 | 360 | 381 | 363 | 374 | 370 | 12,146 | total |

Month of fatal and non-fatal accidents in printing service 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 | 68 | 52 | 50 | 55 | 48 | 48 | 49 | 45 | 42 | 40 | 46 | 37 | 41 | 32 | 30 | 29 | 35 | 33 | 28 | 35 | 27 | 32 | 37 | 939 | January |
| February | 68 | 83 | 57 | 61 | 62 | 50 | 48 | 47 | 45 | 34 | 42 | 49 | 31 | 35 | 39 | 27 | 34 | 39 | 30 | 35 | 30 | 24 | 32 | 1,002 | February |
| March | 85 | 75 | 54 | 63 | 55 | 62 | 46 | 46 | 60 | 46 | 48 | 50 | 57 | 46 | 32 | 50 | 35 | 19 | 36 | 42 | 36 | 35 | 36 | 1,114 | March |
| April | 68 | 62 | 74 | 61 | 61 | 53 | 52 | 48 | 58 | 62 | 45 | 44 | 40 | 36 | 25 | 39 | 36 | 26 | 30 | 28 | 31 | 26 | 34 | 1,039 | April |
| May | 63 | 63 | 65 | 74 | 53 | 55 | 42 | 59 | 51 | 43 | 40 | 39 | 40 | 32 | 30 | 36 | 28 | 31 | 18 | 31 | 33 | 30 | 23 | 979 | May |
| June | 70 | 67 | 70 | 63 | 67 | 62 | 57 | 56 | 39 | 56 | 51 | 39 | 36 | 38 | 41 | 36 | 33 | 29 | 38 | 25 | 33 | 38 | 28 | 1,072 | June |
| July | 55 | 73 | 68 | 73 | 68 | 59 | 47 | 54 | 62 | 53 | 59 | 37 | 41 | 36 | 45 | 35 | 24 | 36 | 39 | 27 | 30 | 24 | 26 | 1,071 | July |
| August | 64 | 86 | 69 | 61 | 44 | 52 | 56 | 53 | 38 | 44 | 44 | 40 | 35 | 38 | 28 | 23 | 25 | 31 | 24 | 39 | 29 | 40 | 40 | 1,003 | August |
| September | 70 | 59 | 64 | 55 | 56 | 60 | 48 | 50 | 49 | 41 | 41 | 47 | 42 | 34 | 29 | 38 | 38 | 23 | 32 | 29 | 26 | 21 | 34 | 986 | September |
| October | 83 | 78 | 61 | 76 | 43 | 63 | 60 | 51 | 46 | 48 | 58 | 37 | 30 | 34 | 60 | 39 | 27 | 33 | 30 | 26 | 35 | 33 | 27 | 1,078 | October |
| November | 68 | 66 | 72 | 49 | 35 | 53 | 43 | 45 | 53 | 40 | 45 | 43 | 39 | 34 | 35 | 38 | 30 | 32 | 28 | 34 | 32 | 29 | 24 | 967 | November |
| December | 58 | 57 | 61 | 44 | 48 | 49 | 45 | 46 | 36 | 43 | 46 | 23 | 34 | 38 | 24 | 36 | 23 | 36 | 27 | 30 | 21 | 42 | 29 | 896 | December |
| total | 820 | 821 | 765 | 735 | 640 | 666 | 593 | 600 | 579 | 550 | 565 | 485 | 466 | 433 | 418 | 426 | 368 | 368 | 360 | 381 | 363 | 374 | 370 | 12,146 | total |

Prefecture of fatal and non-fatal accidents in printing service 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 | 24 | 29 | 22 | | 11 | | 15 | 8 | 12 | 19 | 10 | 10 | 11 | 10 | 12 | 7 | 13 | 6 | 9 | 10 | 12 | 7 | 6 | 263 | Hokkaido |
| Aomori | 3 | 2 | 6 | | 3 | | 3 | 3 | 3 | 3 | 4 | 2 | 4 | 2 | 5 | | 1 | | | | 2 | 2 | 3 | 51 | Aomori |
| | | | | | | | | | | | | | | | | | | | | | | | | | |

| lwate | 7 | 8 | 7 | 2 | 3 | 4 | 3 | 3 | 5 | 4 | 6 | 1 | 5 | 1 | 2 | | 1 | 3 | 6 | 3 | 3 | 77 | lwate |
|-----------|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|-----------|
| Miyagi | 10 | 6 | 9 | 13 | 6 | 8 | 12 | 8 | 9 | 11 | 5 | 4 | 9 | 9 | 3 | 4 | 15 | 6 | 3 | 7 | 8 | 165 | Miyagi |
| Akita | 3 | 1 | 2 | 2 | 4 | 4 | 2 | 3 | 2 | 2 | 3 | | | 3 | 1 | 3 | 1 | 1 | 3 | | 1 | 41 | Akita |
| Yamagata | 5 | 8 | 8 | 4 | 4 | 5 | 1 | 5 | 4 | 6 | 1 | 3 | 5 | 3 | 3 | 2 | 1 | 4 | 3 | 4 | 2 | 81 | Yamagata |
| Fukushima | 7 | 7 | 11 | 10 | 15 | 6 | 10 | 11 | 11 | 7 | 6 | 2 | 7 | 6 | 5 | 2 | 7 | 1 | 3 | 8 | 6 | 148 | Fukushima |
| Ibaraki | 16 | 21 | 14 | 17 | 18 | 13 | 11 | 10 | 15 | 9 | 9 | 15 | 9 | 11 | 6 | 14 | 5 | 12 | 9 | 14 | 10 | 258 | lbaraki |
| Tochigi | 13 | 8 | 5 | 8 | 4 | 4 | 8 | 5 | 5 | 5 | 4 | 8 | 3 | 4 | 5 | 3 | 3 | 5 | 3 | 4 | 2 | 109 | Tochigi |
| Gunma | 9 | 9 | 13 | 8 | 8 | 3 | 10 | 7 | 5 | 6 | 9 | 5 | 4 | 6 | 3 | 8 | 3 | 5 | 2 | 8 | 6 | 137 | Gunma |
| Saitama | 82 | 73 | 72 | 69 | 66 | 54 | 73 | 58 | 69 | 57 | 42 | 56 | 40 | 41 | 44 | 42 | 40 | 47 | 33 | 37 | 42 | 1,137 | Saitama |
| Chiba | 30 | 24 | 20 | 25 | 23 | 18 | 16 | 14 | 18 | 9 | 17 | 18 | 17 | 18 | 7 | 14 | 12 | 16 | 14 | 11 | 10 | 351 | Chiba |
| Tokyo | 138 | 118 | 105 | 96 | 70 | 79 | 72 | 59 | 54 | 53 | 58 | 39 | 48 | 46 | 28 | 39 | 35 | 29 | 39 | 39 | 31 | 1,275 | Tokyo |
| Kanagawa | 28 | 32 | 22 | 23 | 16 | 22 | 12 | 18 | 17 | 15 | 14 | 14 | 14 | 12 | 10 | 9 | 8 | 7 | 14 | 4 | 21 | 332 | Kanagawa |
| Niigata | 16 | 14 | 20 | 9 | 13 | 12 | 8 | 11 | 8 | 11 | 10 | 6 | 11 | 8 | 8 | 6 | 8 | 12 | 7 | 5 | 10 | 213 | Niigata |
| Toyama | 12 | 9 | 5 | 16 | 6 | 3 | 3 | 4 | 4 | 4 | 5 | 3 | 3 | 5 | 2 | 4 | 1 | 7 | 2 | 8 | 5 | 111 | Toyama |
| Ishikawa | 3 | 11 | 7 | 4 | 6 | 6 | 7 | 5 | 12 | 5 | 5 | 7 | 5 | 8 | 6 | 5 | 6 | 8 | 5 | 5 | 5 | 131 | Ishikawa |
| Fukui | 3 | 3 | 3 | 4 | 2 | 5 | 3 | 4 | 4 | 3 | 2 | 2 | 2 | 4 | 1 | 4 | 1 | 4 | 2 | 2 | 2 | 60 | Fukui |
| Yamanashi | 1 | 2 | | 2 | 2 | 2 | 3 | 2 | 3 | 2 | 1 | 3 | 3 | 1 | 1 | 1 | 1 | 2 | 3 | 1 | 4 | 40 | Yamanashi |
| Nagano | 14 | 13 | 8 | 6 | 5 | 4 | 3 | 10 | 3 | 5 | 8 | 7 | 7 | 4 | 6 | 6 | 8 | 4 | 6 | | 3 | 130 | Nagano |
| Gifu | 14 | 12 | 16 | 2 | 12 | 5 | 11 | 12 | 17 | 6 | 7 | 11 | 6 | 7 | 6 | 7 | 6 | 10 | 7 | 5 | 5 | 184 | Gifu |
| Shizuoka | 28 | 29 | 26 | 16 | 15 | 26 | 24 | 19 | 14 | 17 | 22 | 18 | 14 | 17 | 18 | 11 | 10 | 13 | 14 | 9 | 12 | 372 | Shizuoka |
| Aichi | 46 | 59 | 45 | 42 | 40 | 40 | 30 | 28 | 31 | 26 | 30 | 30 | 30 | 33 | 16 | 19 | 17 | 20 | 29 | 23 | 21 | 655 | Aichi |
| Mie | 6 | 10 | 11 | 8 | 8 | 2 | 5 | 9 | 9 | 7 | 3 | 6 | 7 | 4 | 6 | 3 | 8 | 2 | 10 | 6 | 3 | 133 | Mie |
| Shiga | 13 | 7 | 7 | 3 | 6 | 8 | 5 | 7 | 17 | 10 | 7 | 9 | 6 | 6 | 12 | 10 | 8 | 17 | 2 | 10 | 5 | 175 | Shiga |

| Kyoto | 19 | 22 | 26 | 11 | 21 | 25 | 27 | 19 | 18 | 10 | 20 | 16 | 13 | 25 | 18 | 14 | 17 | 9 | 12 | 10 | 18 | 370 | Kyoto |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|-----------|
| Osaka | 109 | 106 | 108 | 91 | 75 | 81 | 73 | 76 | 67 | 72 | 53 | 52 | 41 | 45 | 31 | 35 | 50 | 45 | 42 | 45 | 44 | 1,341 | Osaka |
| Hyogo | 22 | 24 | 33 | 25 | 17 | 31 | 23 | 25 | 14 | 18 | 12 | 6 | 11 | 9 | 13 | 14 | 20 | 10 | 13 | 12 | 16 | 368 | Hyogo |
| Nara | 6 | 7 | 9 | 5 | 5 | 13 | 7 | 10 | 8 | 8 | 6 | 11 | 4 | 11 | 12 | 4 | 2 | 4 | 5 | 9 | 9 | 155 | Nara |
| Wakayama | 2 | 3 | 2 | 5 | 5 | 1 | 5 | 8 | 3 | 3 | 5 | 3 | 2 | 1 | 2 | 5 | | 2 | 1 | 2 | 2 | 62 | Wakayama |
| Tottori | 4 | 3 | | 2 | 2 | 2 | 3 | | 2 | 3 | 1 | 1 | | | 1 | 1 | | | 2 | | | 27 | Tottori |
| Shimane | 1 | 3 | 3 | | | | 2 | 1 | 2 | 2 | 1 | | 2 | | 1 | | | 1 | 2 | | | 21 | Shimane |
| Okayama | 6 | 8 | 6 | 7 | 11 | 7 | 5 | 15 | 8 | 3 | 3 | 2 | 5 | 11 | 7 | 7 | 5 | 7 | 3 | 4 | 4 | 134 | Okayama |
| Hiroshima | 14 | 20 | 18 | 10 | 4 | 13 | 10 | 3 | 12 | 6 | 3 | 5 | 6 | 4 | 7 | 9 | 6 | 9 | 6 | 5 | 6 | 176 | Hiroshima |
| Yamaguchi | 4 | 7 | 6 | 6 | 3 | 4 | 5 | 2 | | 6 | 3 | 2 | 2 | 1 | 7 | 7 | 3 | 2 | 1 | 1 | 4 | 76 | Yamaguch |
| Tokushima | 2 | 8 | | 4 | 7 | 1 | 2 | 4 | 6 | 3 | 3 | 2 | 2 | 2 | 1 | 2 | 3 | | 3 | 4 | 2 | 61 | Tokushima |
| Kagawa | 16 | 20 | 10 | 6 | 10 | 22 | 8 | 12 | 13 | 9 | 6 | 9 | 7 | 12 | 11 | 8 | 7 | 8 | 5 | 8 | 8 | 215 | Kagawa |
| Ehime | 11 | 7 | 7 | 9 | 6 | 5 | 9 | 2 | 5 | 3 | 9 | 4 | 4 | 4 | 2 | 3 | 3 | 4 | 3 | 6 | 4 | 110 | Ehime |
| Kochi | 6 | 2 | 4 | 3 | 3 | 2 | 4 | 2 | 2 | 2 | 2 | 1 | 4 | 3 | 1 | | 1 | 1 | 3 | 1 | | 47 | Kochi |
| Fukuoka | 34 | 36 | 34 | 22 | 32 | 30 | 29 | 23 | 34 | 25 | 29 | 21 | 20 | 17 | 24 | 21 | 14 | 19 | 19 | 25 | 11 | 519 | Fukuoka |
| Saga | 3 | 3 | 1 | 2 | 4 | | 1 | 1 | | 1 | 2 | 1 | 3 | 3 | 3 | 1 | 1 | 2 | 1 | 5 | 2 | 40 | Saga |
| Nagasaki | 5 | 3 | 6 | 5 | 3 | 9 | 1 | | 3 | 1 | 1 | 4 | 2 | 6 | | 3 | 5 | | 3 | 1 | 3 | 64 | Nagasaki |
| Kumamoto | 9 | 10 | 12 | 6 | 4 | 3 | 3 | 2 | 8 | 4 | 10 | 6 | 5 | 2 | 6 | 2 | 2 | 4 | 4 | 3 | 9 | 114 | Kumamoto |
| Oita | 4 | 4 | 5 | 3 | 4 | 5 | 3 | 3 | 3 | 4 | 2 | 2 | 2 | 3 | 1 | 2 | 4 | 3 | | 2 | | 59 | Oita |
| Miyazaki | 3 | 3 | 2 | 6 | 1 | | 3 | 1 | 4 | 4 | 4 | 3 | 4 | 1 | 2 | 5 | 2 | 1 | | 6 | 1 | 56 | Miyazaki |
| Kagoshima | 4 | 5 | 4 | | 2 | 1 | 2 | 5 | 3 | 1 | | 2 | 3 | 1 | 2 | 2 | | 4 | 2 | 2 | 1 | 46 | Kagoshima |
| Okinawa | 5 | 2 | 5 | 9 | 4 | 1 | 7 | 2 | | 5 | 2 | 1 | 4 | 1 | 3 | 1 | 1 | 1 | | 1 | | 55 | Okinawa |
| total | 820 | 821 | 765 | 640 | 593 | 600 | 579 | 550 | 565 | 485 | 466 | 433 | 418 | 426 | 368 | 368 | 360 | 381 | 363 | 374 | 370 | 10,745 | total |

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

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

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

Fatal accidents in printing service in Japan in 1999-2021

printing service industry Code No.010701

Type of fatal accidents in printing service 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 | | | 1 | 1 | 1 | | | | 2 | 1 | 1 | | | | | | 1 | | | 1 | | | | 9 | fall from height |
| falling to same level | | | | | | | | | 1 | | | | | | 1 | | | 1 | | | | | | 3 | falling to same level |
| crash | | | 1 | | | | | | | | | | | | | | | | | | | | | 1 | crash |
| struck by flying or falling object | | | | | | | | 1 | | | | | | | | | | | | 1 | | | | 2 | struck by flying or falling object |
| collapse | | | | | | | | | | | | | | | | | | | | | | | | | collapse |
| crashed by | | 1 | | | | | | | | | | | | | | | 1 | | | | | | | 2 | crashed by |
| caught in/between | 2 | | 1 | 1 | | 2 | | 1 | 1 | | 2 | 1 | 3 | | 2 | 1 | | | | 1 | | | | 18 | caught in/between |

| | | | | | | | | | | | | | | | | | |
|------|---|---|---|---|---|------|------|---|---|------|---|------|---|------|------|----|--------------------|
| | | | | | | | | | | | | | | | | | cut |
| | | | | | | | | | | | | | | | | | injury to the sole |
| | | | | | | | | | | | | | | | | | of the foot |
| | | | | | 1 | | | | 3 | | | | | | | 4 | drown |
| | | | | | | | | | | | | | | | | | contact to |
| | | | | | | | | | | | | | | | | | high/low- |
| | | | | | | | | | | | | | | | | | temperature |
| | | | | | | | | | | | | | | | | | contact to |
| | | 1 | | | | | 1 | | | | | | | | | 2 | harmful |
| | | | | | | | | | | | | | | | | | substance |
| | | | | | | | | | | | | | | | | | electric shock |
| | | | | | | | | | | | | | | | | | explosion |
| | | | | | | | | | | | | | | | | | burst |
| | | | | | | | | | | | | | | | | | fire |
| | | | | | | | | | | | | | | | | | traffic accident |
| 2 | 2 | 2 | I | | | | | I | | | | | | | | | (public road) |
| | | | | | | | | | | | | | | | | | traffic accident |
| | | | | | | | | | | | | | | | | | (others) |
| | | | | | | | | | | | | | | | | | reaction to |
| | | | | | | | | | | | | | | | | | motion/improper |
| | | | | | | | | | | | | | | | | | motion |
| | | | | 1 | 1 | | | 1 | 1 | | 1 | 1 | 1 | 1 | | 8 | others |
| | | | | | | | | | | | | | | | | | unclassifiable |
| | | | | | | 4 | | | | | 2 | | | | | 58 | total |
| | | | | | | | | | | | | | | | | | |

Causal agents (large) of fatal accidents in printing service 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 | 2 | 1 | | 1 | | 2 | | 1 | 1 | | 1 | 1 | 2 | | 2 | 1 | | | | 1 | | | | 16 | machine |
| crane, conveying machine | | 2 | 3 | 3 | 2 | | | | | | 1 | 1 | 1 | | | | 1 | 2 | | 1 | | | | | crane, conveying machine |
| other equipment | | | | | | | | | | | | | | | | | | | | | | | | | other equipment |
| temporary buildings, establishments | | | 1 | | | | 1 | | 3 | 1 | 1 | | | | 1 | | 1 | | | 1 | | | | | temporary buildings, establishments |
| substance, material | | | 1 | 1 | | | | | | | 1 | | | | | | | | | | | | | 3 | substance, material |
| load | | | | | | | | 1 | | | | | | | | | | | | | | | | 1 | load |
| environment | | | | | | | | | | | | | 4 | | | | | | | | | | | 4 | environment |
| others | | | | | | 1 | 1 | | | | | 1 | | | | 1 | | 1 | 1 | | 1 | | | 7 | others |
| total | 2 | 3 | 5 | 5 | 2 | 3 | 2 | 2 | 4 | 1 | 4 | 3 | 7 | | 3 | 2 | 2 | 3 | 1 | 3 | 1 | | | 58 | total |

Causal agents (middle) of fatal accidents in printing service in 1999-2021

| | | | | | | | | | | | | | | | | | | | | | | | | | Causal (M) | |
|-------------------|------|--------|--------|--------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------------|--|
| Causal (M) agents | 1999 | 2000 2 | 2001 2 | 2002 2 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | total | | |

| | | | | | | | | | | | | | | | | | | | 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 | 2 | 1 | | 1 | | 2 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | | | 1 | | 16 | general machine |
| mobile silviculture machine | | | | | | | | | | | | | | | | | | | mobile silviculture machine |
| crane | | | | | | | | | | | | | | | | | | | crane |
| conveying machine | | 1 | 1 | 1 | 1 | | | | 1 | | 1 | | | 1 | 1 | 1 | | 9 | conveying machine |
| vehicle | | 1 | 2 | 2 | 1 | | | | | 1 | | | | | 1 | | | 8 | vehicle |
| pressure vessel | | | | | | | | | | | | | | | | | | | pressure vessel |
| chemical facilities | | | | | | | | | | | | | | | | | | | chemical facilities |
| | | | | | | | | | | | | | | | | | | | |

| welding equipment | | | | | | | | | | | | | | | | | | | | | | welding |
|----------------------------------------|--|---|---|----------|---|---|----------|---|---|---|---|---|----------|---|----------|---|----------|----------|----------|----------|----|-------------------------------------------|
| | | | | <u> </u> | | | <u> </u> | | | | | | <u> </u> | | <u> </u> | | <u> </u> | <u> </u> | <u> </u> | <u> </u> | | equipment |
| kiln, caldron | | | | | | | | | | | | | | | | | | | | | | kiln, caldron |
| electric equipment | | | | | | | | | | | | | | | | | | | | | | electric equipment |
| human power machine, | | | | | | | | | | | | | | | | | | | | | | human power |
| tools | | | | | | | | | | | | | | | | | | | | | | machine, tools |
| tools | | | | | | | | | | | | | | | | | | | | | | tools |
| other equipments, | | | | | | | | | | | | | | | | | | | | | | other equipments, facilities |
| temporary buildings, establishments | | 1 | | | 1 | | 3 | 1 | 1 | | | 1 | | 1 | | | 1 | | | | 10 | temporary buildings, establishments |
| hazards, harmful substances | | | 1 | | | | | | 1 | | | | | | | | | | | | 2 | hazards, harmful substances |
| materials | | 1 | | | | | | | | | | | | | | | | | | | 1 | materials |
| load | | | | | | 1 | | | | | | | | | | | | | | | 1 | load |
| natural environment | | | | | | | | | | | 4 | | | | | | | | | | 4 | natural environment |
| other causal agent | | | | 1 | 1 | | | | | | | | | | | | | | | | 2 | other causal agent |
| no causal agent | | | | | | | | | | 1 | | | 1 | | 1 | 1 | | 1 | | | 5 | no causal agent |

| unclassifiable | | | | | | | | | | | | | | | | | | | | | | | unclassifiable |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|----|----------------|
| total | 2 | 3 | 5 | 5 | 2 | 3 | 2 | 2 | 4 | 1 | 4 | 3 | 7 | 3 | 2 | 2 | 3 | 1 | 3 | 1 | | 58 | total |

Causal agents (small) of fatal accidents in printing service 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 |
| hardening machine | | | | | | | | | | | | hardening machine |
| demolition machine | | | | | | | | | | | | demolition machine |
| vehicle for high lift | | | | | | | | | | | | vehicle for high lift |
| work | | | | | | | | | | | | work |
| other construction | | | | | | | | | | | | other construction |
| machines | | | | | | | | | | | | machines |
| lathe | | | | | | | | | | | | lathe |
| drill press, milling | | | | | | | | | | | | drill press, milling |
| machine | | | | | | | | | | | | machine |
| grinding machine, | | | | | | | | | | | | grinding machine, |
| buffing machine | | | | | | | | | | | | buffing machine |
| power press | | | | | | | | | | | | power press |
| forging pressure | | | | | | | | | | | | forging pressure |
| hammer | | | | | | | | | | | | hammer |
| shearing machine | | | | | | | | | | | | shearing machine |
| other metal | | | | | | | | | | | | other metal |
| manufacturing | | | | | | | | | | | | manufacturing |

| machines | | | | | | | | | | | | | | | | | machines |
|--------------------------------------------------|---|---|---|--|---|---|---|---|---|---|---|---|--|---|--|----|--------------------------------------------------|
| centrifugal machine | | | | | | | | | | | | | | | | | centrifugal machine |
| mixer, grinder | | | | | | | | | | | | | | | | | mixer, grinder |
| roll machine (except printingroll machine) | | | | | | | | | | | | | | | | | roll machine (except printingroll machine) |
| injection molding machine | | | | | | | | | | | | | | | | | injection molding |
| food manufacturing | | | | | | | | | | | | | | | | | food manufacturing |
| printing machine | 2 | | 1 | | | | 1 | 1 | 1 | 2 | 2 | 1 | | 1 | | 12 | printing machine |
| industrial robot | | 1 | | | | | | | | | | | | | | 1 | industrial robot |
| other general power machines | | | | | 2 | 1 | | | | | | | | | | 3 | other general power machines |
| felling machine | | | | | | | | | | | | | | | | | felling machine |
| mobile logging machine | | | | | | | | | | | | | | | | | mobile logging |
| 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 | | | | | | | | | | | | | | | | | 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 | | | | | | 2 | truck |
| forklift | | 1 | 1 | 1 | | | | 1 | | | | 1 | 1 | 1 | | 7 | 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 | 1 | | | | | 1 | | | | 1 | | | 7 | cars, bus, |
| motorcycle | | | | | | | | | | | | | | | | | motorcycle |
| railway vehicle | | | | | | | | | | | | | | | | | railway vehicle |
| other vehicles | | 1 | | | | | | | | | | | | | | 1 | other vehicles |

| | \square | | | | \Box | \Box | \square | | <u> </u> | | | \Box | | | |
|---------------------|---------------|--|--|--|--------|------------|-----------|------|----------|--|--|--------|------|--|---------------------|
| 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, caldron |
| 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, |
| scaffolding | | | | | | | | | | | | | | | scaffolding |
| timbering | | | | | | | | | | | | | | | timbering |
| stairs, landing stage | | | | | 3 | 1 | | | 1 | | | | | 5 | stairs, landing stage |
| opening | | | | | | | | | | | | | | | 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 | | | | | | | | | | | | | | | passage |
| building, establishment | | 1 | | 1 | | | | | | 1 | | | | 3 | building, establishment |
| other temporary | | | | | | | | | | | | | | | other temporary |
| buildings, | | | | | | | | | | | | | | | buildings, |
| establishments | | | | | | | | | | | | | | | establishments |
| explosive substance | | | | | | | | | | | | | | | explosive substance |

| inflammable | | | | | | | | | | | | | | | inflammable |
|--------------------|--|---|---|--|---|--|---|---|--|--|--|--|--|---|--------------------|
| substance | | | | | | | | | | | | | | | substance |
| inflammable gas | | | | | | | | | | | | | | | inflammable gas |
| harmful substance | | | 1 | | | | 1 | | | | | | | 2 | 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 | | 1 | | | | | | | | | | | | 1 | other materials |
| load | | | | | 1 | | | | | | | | | 1 | load |
| machine/equipment | | | | | | | | | | | | | | | machine/equipment |
| as load | | | | | | | | | | | | | | | as load |
| natural ground, | | | | | | | | | | | | | | | natural ground, |
| rock | | | | | | | | | | | | | | | rock |
| standing tree | | | | | | | | | | | | | | | standing tree |
| water | | | | | | | | 4 | | | | | | 4 | water |
| abnormal | | | | | | | | | | | | | | | abnormal |
| environment | | | | | | | | | | | | | | | environment |
| high/cold | | | | | | | | | | | | | | | high/cold |
| temperature | | | | | | | | | | | | | | | temperature |
| environment | | | | | | | | | | | | | | | environment |

| other environments | | | | | | | | | | | | | | | | | | | | | | | other environments |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|----|--------------------|
| other causal agent | | | | | | 1 | 1 | | | | | | | | | | | | | | | 2 | other causal agent |
| no causal agent | | | | | | | | | | | | 1 | | | 1 | | 1 | 1 | | 1 | | 5 | no causal agent |
| unclassifiable | | | | | | | | | | | | | | | | | | | | | | | unclassifiable |
| total | 2 | 3 | 5 | 5 | 2 | 3 | 2 | 2 | 4 | 1 | 4 | 3 | 7 | 3 | 2 | 2 | 3 | 1 | 3 | 1 | | 58 | total |

Workers age of fatal accidents in printing service 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 | | | 1 | | | | | | | | | | | | | | | | | | | | | 1 | 19 years old or less |
| 20-29 | 1 | 1 | 1 | 1 | | 1 | | | 1 | | 1 | 1 | | | | | | | | 1 | | | | 9 | 20-29 |
| 30-39 | | 2 | 2 | 1 | | 1 | 1 | | | | 2 | 1 | 4 | | 1 | 1 | | 1 | 1 | | | | | 18 | 30-39 |
| 40-49 | | | 1 | | | | | 1 | | | | 1 | 1 | | 1 | | | | | | | | | 5 | 40-49 |
| 50-59 | 1 | | | 2 | 2 | 1 | 1 | | 1 | | 1 | | 1 | | | | 2 | 2 | | 1 | 1 | | | 16 | 50-59 |
| 60 years old or | | | | 1 | | | | 1 | 2 | 1 | | | 1 | | 1 | 1 | | | | 1 | | | | 9 | 60 years old or |
| more | | | | • | | | | • | | • | | | • | | | | | | | • | | | | - | more |
| total | 2 | 3 | 5 | 5 | 2 | 3 | 2 | 2 | 4 | 1 | 4 | 3 | 7 | | 3 | 2 | 2 | 3 | 1 | 3 | 1 | | | 58 | total |

Workers' number of workplace of fatal accidents in printing service 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 | | | | | | | | | | 2 | | | | | 1 | | 1 | | | | 5 | 9 workers or less |
| 10-29 | 2 | | 1 | 1 | | | 1 | 2 | | 1 | | 1 | 1 | | 1 | 1 | 1 | 1 | | | | | | 14 | 10-29 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |

| 30-49 | | 1 | 1 | 2 | | 1 | | | 3 | | | 1 | 4 | 1 | | | | | | | | 14 | 30-49 |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|----|----------------|
| 50-99 | | 1 | 2 | | 1 | 1 | 1 | | | | | | | 1 | 1 | | | 1 | 1 | | | 10 | 50-99 |
| 100-299 | | 1 | | 1 | | | | | 1 | | 3 | 1 | | | | 1 | 1 | | | 1 | | 10 | 100-299 |
| 300 workers or | | | | 1 | 1 | 1 | | | | | 1 | | | | | | | | 1 | | | 5 | 300 workers or |
| more | | | | | | | | | | | | | | | | | | | | | | | more |
| total | 2 | 3 | 5 | 5 | 2 | 3 | 2 | 2 | 4 | 1 | 4 | 3 | 7 | 3 | 2 | 2 | 3 | 1 | 3 | 1 | | 58 | total |

Month of fatal accidents in printing service 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 | | | 3 | 1 | | | 1 | | | | | 1 | | | | | | | | | | | | 6 | January |
| February | | | | | | | 1 | 1 | | | | 1 | | | | 1 | | 1 | | | | | | 5 | February |
| March | 1 | 1 | 1 | | 1 | 1 | | | 2 | | | 1 | 7 | | | | | | | | 1 | | | 16 | March |
| April | | | | 1 | | 1 | | | 1 | | | | | | | | | 1 | | | | | | 4 | April |
| May | | 1 | | 1 | | | | | 1 | | | | | | | | 1 | 1 | | | | | | 5 | May |
| June | | 1 | | | | | | | | | 1 | | | | | 1 | | | | | | | | 3 | June |
| July | | | 1 | | 1 | | | | | 1 | | | | | | | | | | 1 | | | | 4 | July |
| August | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | August |
| September | | | | | | | | 1 | | | | | | | | | 1 | | 1 | | | | | 3 | September |
| October | | | | | | 1 | | | | | 2 | | | | 1 | | | | | 1 | | | | 5 | October |
| November | | | | 1 | | | | | | | | | | | | | | | | 1 | | | | 2 | November |
| December | 1 | | | 1 | | | | | | | 1 | | | | 1 | | | | | | | | | 4 | December |
| total | 2 | 3 | 5 | 5 | 2 | 3 | 2 | 2 | 4 | 1 | 4 | 3 | 7 | | 3 | 2 | 2 | 3 | 1 | 3 | 1 | | | 58 | total |

| 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 | | 1 | | | | | | | | | | | | | | | | | | | 1 | | | 2 | Hokkaido |
| Aomori | | | | | | | | | | | | | | | | | | | | | | | | | Aomori |
| lwate | | | | | | | | | | | | | 1 | | | | | | | | | | | 1 | lwate |
| Miyagi | | | | | | | | | | | | | 3 | | | | | | | | | | | 3 | Miyagi |
| Akita | | | | | | | 1 | | | | | | | | | | | | | | | | | 1 | Akita |
| Yamagata | | | | | | | | | | | | | | | | | | | | | | | | | Yamagata |
| Fukushima | | | 1 | | | | | | | | | | | | | | | | | 1 | | | | 2 | Fukushima |
| Ibaraki | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | 2 | Ibaraki |
| Tochigi | | | | | | | | | | | | | | | | | | | | | | | | | Tochigi |
| Gunma | | | | | | | | | | | | | | | | | | | | | | | | | Gunma |
| Saitama | | 1 | 1 | | | | 1 | 1 | | | | | | | 2 | | | | | | | | | 6 | Saitama |
| Chiba | | | | 1 | | | | | | | | | | | | | | | | | | | | 1 | Chiba |
| Tokyo | | | | 1 | | | | | 3 | | | | | | | | | | | | | | | 4 | Tokyo |
| Kanagawa | | | | | | | | | | 1 | | | | | | | | | | | | | | 1 | Kanagawa |
| Niigata | | | | | | 1 | | | | | | | | | | | | | | | | | | 1 | Niigata |
| Toyama | | | | | | 1 | | | | | | | | | | | | | | | | | | 1 | Toyama |
| Ishikawa | | | | | | | | | | | | | | | | | | | | | | | | | Ishikawa |
| Fukui | | | | | 1 | | | | | | | | | | | 1 | | | | | | | | 2 | Fukui |
| Yamanashi | | | | | | | | | | | | 1 | | | | | | | | | | | | 1 | Yamanashi |

| Nagano | | | | | | | | | | | 1 | | | | | | | | 1 | Nagano |
|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|---|-----------|
| Gifu | | | | | | | | | | | | | | | | | | | | Gifu |
| Shizuoka | | | 1 | | | | | | 1 | | 1 | | | | | | | | 3 | Shizuoka |
| Aichi | | | | 1 | | | 1 | | | | | 1 | | | | | 1 | | 4 | Aichi |
| Mie | | | | | | | | | 1 | | | | | | | | | | 1 | Mie |
| Shiga | | | | | | | | | 1 | | | | | 1 | | | | | 2 | Shiga |
| Kyoto | | | | | 1 | | | | | 1 | | | | | | | | | 2 | Kyoto |
| Osaka | 1 | 1 | 1 | | | 1 | | 1 | | 1 | | | 1 | | | | | | 7 | Osaka |
| Hyogo | | | 1 | 1 | | | | | | | 1 | | | | | | | | 3 | Hyogo |
| Nara | | | | | | | | | 1 | | | | | | | | | | 1 | Nara |
| Wakayama | | | | | | | | | | | | | | | | | 1 | | 1 | Wakayama |
| Tottori | | | | | | | | | | | | | | | | | | | | Tottori |
| Shimane | | | | | | | | | | | | | | | | | | | | Shimane |
| Okayama | | | | | | | | | | | | | | 1 | | | | | 1 | Okayama |
| Hiroshima | | | | | | | | | | | | | | | | | | | | Hiroshima |
| Yamaguchi | | | | | | | | | | | | | | | 1 | | | | 1 | Yamaguchi |
| Tokushima | | | | | | | | | | | | | | | 1 | | | | 1 | Tokushima |
| Kagawa | | | | | | | | | | | | | | | | 1 | | | 1 | Kagawa |
| Ehime | | | | | | | | | | | | | | | | | | | | Ehime |
| Kochi | | | | | | | | | | | | | | | | | | | | Kochi |
| Fukuoka | | | | | | | | | | | | | | | 1 | | | | 1 | Fukuoka |
| Saga | | | | | | | | | | | | | | | | | | | | Saga |
| Nagasaki | | | | | | | | | | | | | | | | | | | | Nagasaki |

| Kumamoto | | | | | | | | | | | | | | | | | | | | | | | Kumamoto |
|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|----|-----------|
| Oita | | | | | | | | | | | | | | | | | | | | | | | Oita |
| Miyazaki | | | | | | | | | | | | | | | | | | | | | | | Miyazaki |
| Kagoshima | | | | | | | | | | | | | | | | | | | | | | | Kagoshima |
| Okinawa | | | | | | | | | | | | | | | | | | | | | | | Okinawa |
| total | 2 | 3 | 5 | 5 | 2 | 3 | 2 | 2 | 4 | 1 | 4 | 3 | 7 | 3 | 2 | 2 | 3 | 1 | 3 | 1 | | 58 | 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