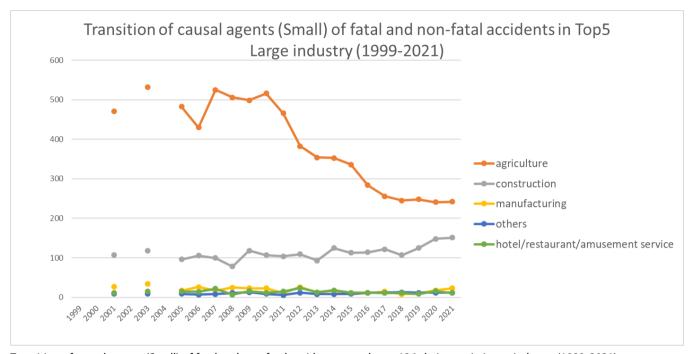
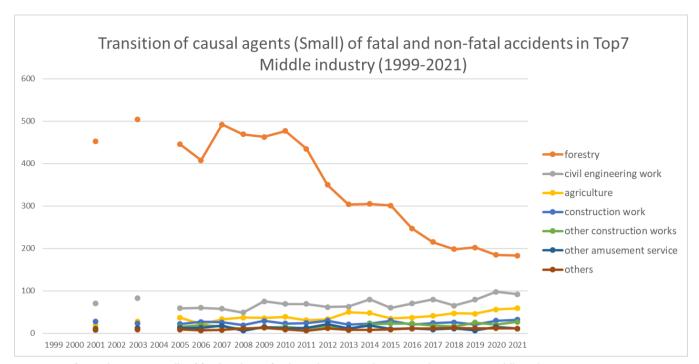
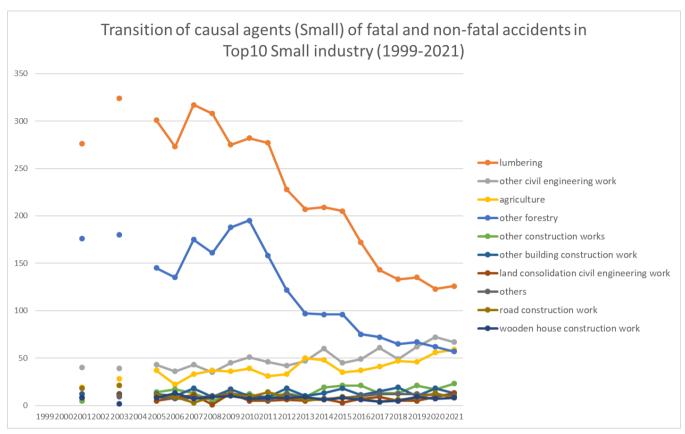
Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 136 chain saw (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 136 chain saw in Large industry (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 136 chain saw in Middle Industry (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 136 chain saw in Small Industry (1999-2021)

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 136 chain saw in Large industry (1999-2021)

| code | Large industry | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | total | Large industry |
|------|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|---|
| 06 | agriculture | | | 471 | | 532 | | 483 | 430 | 525 | 506 | 499 | 516 | 466 | 383 | 354 | 353 | 336 | 284 | 256 | 245 | 248 | 241 | 242 | 7,370 | agriculture |
| 03 | construction | | | 107 | | 118 | | 96 | 106 | 100 | 78 | 118 | 107 | 104 | 109 | 93 | 125 | 113 | 114 | 122 | 107 | 125 | 148 | 151 | 2,141 | construction |
| 01 | manufacturing | | | 27 | | 34 | | 17 | 26 | 17 | 25 | 23 | 23 | 11 | 26 | 12 | 17 | 9 | 11 | 15 | 8 | 10 | 18 | 23 | 352 | manufacturing |
| 17 | others | | | 9 | | 9 | | 9 | 7 | 8 | 11 | 13 | 9 | 6 | 12 | 8 | 8 | 9 | 12 | 12 | 13 | 12 | 12 | 12 | 191 | others |
| 14 | hotel/restaurant/amusement service | | | 11 | | 15 | | 15 | 14 | 22 | 7 | 16 | 12 | 15 | 24 | 13 | 18 | 12 | 12 | 11 | 11 | 9 | 16 | 11 | 264 | hotel/restaurant/amusement service |
| 15 | commercial cleaning and livestock process | | | 5 | | 3 | | 7 | 8 | 4 | 6 | 6 | 12 | 6 | 7 | 8 | 8 | 8 | 2 | 5 | 5 | 7 | 4 | 10 | 121 | commercial cleaning and livestock process |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |

| 80 | commerce | | 4 | 4 | 3 | 4 | 5 | 5 | 4 | 2 | 8 | 4 | 4 | 9 | 6 | 4 | 5 | 5 | 5 | 6 | 6 | 93 | commerce |
|----|----------------------------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------|----------|-----|-----|-----|----------|-----|-----|-----|-----|--------|----------------------------|
| 07 | livestock/fishery | | 1 | 2 | 1 | 1 | 3 | 1 | | 3 | 1 | | | | 1 | 1 | | | 1 | 4 | 4 | 24 | livestock/fishery |
| 13 | health and hygiene service | | 1 | 1 | 1 | 2 | 4 | 3 | 2 | 2 | 2 | 1 | 3 | | 1 | 3 | 2 | 5 | 5 | 1 | 3 | 42 | health and hygiene service |
| 04 | transportation service | | 4 | 1 | 3 | 4 | 3 | 3 | 3 | 3 | 8 | 1 | 4 | 1 | 2 | 3 | 1 | 3 | 1 | 5 | 2 | 55 | transportation service |
| 12 | education/research service | | | 1 | | | 4 | 2 | 2 | | 3 | 2 | 2 | 1 | 3 | 2 | 1 | 2 | 1 | 2 | 2 | 30 | education/research service |
| 16 | public office | | | | | | | | 1 | | | | | | 1 | 1 | | 1 | 2 | | 1 | 7 | public office |
| 05 | cargo handling service | | 3 | 1 | 3 | 2 | 1 | 4 | 2 | 1 | 1 | | | | 2 | | | 2 | 1 | 1 | | 24 | cargo handling service |
| 02 | mining | | 2 | | 1 | | 1 | | | | | 1 | | 1 | | | | | | 1 | | 7 | mining |
| 09 | financial | | 1 | | | | | | | | | 1 | 1 | | | | 1 | | | 2 | | 6 | financial |
| 09 | business/advertisement | | ' | | | | | | | | | <u> </u> | <u> </u> | | | | <u> </u> | | | | | 0 | business/advertisement |
| 10 | movie/play service | | | | | | 1 | | | | | | | | | | | | | | | 1 | movie/play service |
| 11 | telecommunication service | | | | | | | | | | | | | | | | | | | | | | telecommunication service |
| | total | | 646 | 721 | 639 | 604 | 698 | 651 | 689 | 690 | 631 | 571 | 502 | 541 | 503 | 449 | 431 | 407 | 427 | 461 | 467 | 10,728 | total |

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 136 chain saw in Middle industry (1999-2021)

| code | Middle industry | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | total | Middle industry |
|------|-----------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|--------------------------|
| 0602 | forestry | | | 452 | | 504 | | 446 | 408 | 492 | 469 | 463 | 477 | 435 | 350 | 304 | 305 | 301 | 247 | 215 | 198 | 202 | 185 | 183 | 6,636 | forestry |
| 0301 | civil engineering work | | | 71 | | 83 | | 59 | 60 | 58 | 49 | 75 | 69 | 69 | 62 | 63 | 80 | 60 | 70 | 80 | 65 | 79 | 98 | 92 | 1,342 | civil engineering work |
| 0601 | agriculture | | | 19 | | 28 | | 37 | 22 | 33 | 37 | 36 | 39 | 31 | 33 | 50 | 48 | 35 | 37 | 41 | 47 | 46 | 56 | 59 | 734 | agriculture |
| 0302 | construction work | | | 28 | | 23 | | 22 | 27 | 26 | 19 | 29 | 23 | 24 | 30 | 21 | 23 | 30 | 21 | 24 | 26 | 21 | 30 | 32 | 479 | construction work |
| 0303 | other construction works | | | 8 | | 12 | | 15 | 19 | 16 | 10 | 14 | 15 | 11 | 17 | 9 | 22 | 23 | 23 | 18 | 16 | 25 | 20 | 27 | 320 | other construction works |
| 1403 | other amusement service | | | 11 | | 12 | | 13 | 13 | 18 | 6 | 15 | 12 | 13 | 22 | 12 | 18 | 10 | 11 | 9 | 11 | 7 | 15 | 11 | 239 | other amusement service |
| 1702 | others | | | 9 | | 9 | | 9 | 7 | 8 | 11 | 13 | 9 | 6 | 12 | 8 | 8 | 9 | 11 | 12 | 13 | 12 | 12 | 11 | 189 | others |
| 1501 | commercial cleaning and livestock | | | 5 | | 3 | | 7 | 8 | 4 | 6 | 6 | 12 | 6 | 7 | 8 | 8 | 8 | 2 | 5 | 5 | 7 | 4 | 10 | 121 | commercial cleaning |

| process | | | | | | | | | | | | | | | | | | | | | | and livestock proces |
|--|--|----|----|----|----|----|----|----|----|---|----|---|----|---|---|---|---|---|---|---|-----|-------------------------------------|
| 0104 wood products | | 22 | 30 | 12 | 23 | 12 | 17 | 17 | 19 | 7 | 22 | 8 | 14 | 8 | 7 | 7 | 4 | 5 | 9 | 9 | 252 | wood products |
| 0101 food products | | | 1 | | | 2 | 2 | 1 | | | 2 | | | | 2 | | 2 | | 1 | 5 | 18 | food products |
| 0802 retail | | 4 | 3 | | | 2 | 3 | 2 | 2 | 4 | 3 | 1 | 6 | 2 | 1 | 3 | 1 | 2 | 3 | 3 | 45 | retail |
| 1302 social welfare facility | | 1 | 1 | | 1 | 1 | 3 | 2 | 2 | | 1 | 3 | | | 2 | 2 | 3 | 5 | 1 | 3 | 31 | social welfare facilit |
| 0804 other commerce | | | 1 | 1 | 2 | 1 | 1 | 1 | | 2 | | 1 | 2 | | 1 | 1 | 3 | 2 | 3 | 3 | 25 | other commerce |
| 0701 livestock | | 1 | 2 | | 1 | 2 | 1 | | 1 | 1 | | | | 1 | 1 | | | 1 | 2 | 3 | 17 | livestock |
| 0113 machine products | | | | | | | 1 | | | | | | | | | | | 1 | | 3 | 5 | machine products |
| 1201 education/research service | | | 1 | | | 4 | 2 | 2 | | 3 | 2 | 2 | 1 | 3 | 2 | 1 | 2 | 1 | 2 | 2 | 30 | education/research service |
| 0117 other manufacturing | | | | 1 | | | 1 | | | 1 | 1 | | | 1 | 1 | | | 3 | 2 | 2 | 13 | other manufacturin |
| 0403 road cargo transportation service | | 4 | | 3 | 4 | 3 | 2 | 3 | 3 | 4 | 1 | 3 | | 2 | 3 | 1 | 3 | 1 | 3 | 1 | 44 | road cargo transportation serv |
| 0109 sand and stone products | | 1 | | 3 | 2 | 1 | 3 | 1 | 2 | 2 | | 2 | | | 1 | 2 | 1 | | | 1 | 22 | sand and stone products |
| 0116 electric/gas/water service | | 1 | | | | | | 1 | | | 1 | | 1 | | | 1 | 1 | | 2 | 1 | 9 | electric/gas/water service |
| 0702 fishery | | | | 1 | | 1 | | | 2 | | | | | | | | | | 2 | 1 | 7 | fishery |
| public office | | | | | | | | 1 | | | | | | 1 | 1 | | 1 | 2 | | 1 | 7 | public office |
| 0108 chemical products | | | 1 | | | | | 1 | | | | | 2 | | | | | 1 | | 1 | 6 | chemical products |
| 0402 road passenger transport service | | | | | | | | | | 2 | | | | | | | | | 2 | 1 | 5 | road passenger transport service |
| on the steel making | | | | | | | | 1 | | | | | | | | | | | 1 | 1 | 3 | steel making |
| 1701 dispatch service | | | | | | | | | | | | | | | 1 | | | | | 1 | 2 | dispatch service |
| 0502 harbor transportation service | | 3 | 1 | 3 | 2 | 1 | 4 | 2 | 1 | 1 | | | | 2 | | | 2 | 1 | | | 23 | harbor transportat |
| 0801 wholesale | | | | 2 | 2 | 2 | 1 | 1 | | 2 | 1 | 2 | 1 | 4 | 2 | 1 | 1 | 1 | | | 23 | wholesale |

| 1401 | hotel | | | 2 | | 1 | 3 | 1 | 1 | | | 2 | | | 2 | | 1 | | 1 | 1 | 15 | hotel |
|------|--|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|
| 1402 | restaurant | | | 1 | 2 | | 1 | | | | 2 | | 1 | | | 1 | 1 | | 1 | | 10 | restaurant |
| 0112 | metal products | | 1 | | 1 | 1 | | | | 1 | | | 1 | | | | 2 | | | 2 | 9 | metal products |
| 0114 | electrical equipment products | | | | | | 2 | 1 | 1 | 1 | 1 | | | | | | 1 | | | | 7 | electrical equipment products |
| 0202 | quarrying | | 2 | | 1 | | 1 | | | | | 1 | | 1 | | | | | | 1 | 7 | quarrying |
| 1301 | medical treatment service | | | | 1 | 1 | 1 | | | | 2 | | | | | | | 2 | | | 7 | medical treatment |
| 0401 | railroad/water transportation/airline service | | | 1 | | | | 1 | | | 2 | | 1 | 1 | | | | | | | 6 | railroad/water transportation/airline service |
| 0902 | advertisement and mediator | | 1 | | | | | | | | | 1 | 1 | | | | 1 | | | 2 | 6 | advertisement and mediator |
| 1303 | other health and hygiene service | | | | | | 2 | | | | | | | | 1 | 1 | | | | | 4 | other health and hygiene service |
| 0105 | furniture | | 2 | 1 | | | | | | | | | | | | | | | | | 3 | furniture |
| 0111 | nonferrous metal making | | | | | | | | | | | | | | | | 1 | | | 1 | 2 | nonferrous metal making |
| 0103 | fiber products | | | | | | | | | | | | | | | | 1 | | | | 1 | fiber products |
| 0107 | printing/bookbinding | | | 1 | | | | | | | | | | | | | | | | | 1 | printing/bookbinding |
| 0115 | transport equipment products | | | | | | | | | | | | 1 | | | | | | | | 1 | transport equipment products |
| 0501 | land cargo handling service | | | | | | | | | | | | | | | | | | | 1 | 1 | land cargo handling service |
| 1001 | movie/play service | | | | | | 1 | | | | | | | | | | | | | | 1 | movie/play service |
| 0102 | textile products | | | | | | | | | | | | | | | | | | | | | textile products |
| 0106 | pulp/paper processing products | | | | | | | | | | | | | | | | | | | | | pulp/paper processing products |

| 0201 | coal mining | | | | | | | | | | | | | | | | | | | | | | coal mining |
|------|------------------------------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|----------------------|
| 0203 | other mining | | | | | | | | | | | | | | | | | | | | | | other mining |
| 0404 | other transportation service | | | | | | | | | | | | | | | | | | | | | | other transportation |
| 0404 | other transportation service | | | | | | | | | | | | | | | | | | | | | | service |
| 0803 | haircut/beauty salon | | | | | | | | | | | | | | | | | | | | | | haircut/beauty salon |
| 0901 | financial business | | | | | | | | | | | | | | | | | | | | | | financial business |
| 1101 | telecommunication service | | | | | | | | | | | | | | | | | | | | | | telecommunication |
| 1101 | telecommunication service | | | | | | | | | | | | | | | | | | | | | | service |
| | total | | 646 | 721 | 639 | 604 | 698 | 651 | 689 | 690 | 631 | 571 | 502 | 541 | 503 | 449 | 431 | 407 | 427 | 461 | 467 | 10,728 | total |

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 136 chain saw in Small industry (1999-2021)

| code | Small industry | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | total | Small industry |
|--------|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------------------------------|
| 060201 | lumbering | | | 276 | | 324 | | 301 | 273 | 317 | 308 | 275 | 282 | 277 | 228 | 207 | 209 | 205 | 172 | 143 | 133 | 135 | 123 | 126 | 4,314 | lumbering |
| 030199 | other civil engineering work | | | 40 | | 39 | | 43 | 36 | 43 | 35 | 45 | 51 | 46 | 42 | 47 | 60 | 45 | 49 | 61 | 49 | 62 | 72 | 67 | 932 | other civil engineering work |
| 060101 | agriculture | | | 19 | | 28 | | 37 | 22 | 33 | 37 | 36 | 39 | 31 | 33 | 50 | 48 | 35 | 37 | 41 | 47 | 46 | 56 | 59 | 734 | agriculture |
| 060209 | other forestry | | | 176 | | 180 | | 145 | 135 | 175 | 161 | 188 | 195 | 158 | 122 | 97 | 96 | 96 | 75 | 72 | 65 | 67 | 62 | 57 | 2,322 | other forestry |
| 030309 | other construction works | | | 5 | | 12 | | 14 | 17 | 13 | 5 | 11 | 12 | 8 | 13 | 9 | 19 | 21 | 21 | 13 | 13 | 21 | 17 | 23 | 267 | other construction works |
| 030209 | other building construction work | | | 12 | | 12 | | 12 | 10 | 18 | 9 | 17 | 10 | 9 | 18 | 10 | 13 | 18 | 11 | 15 | 19 | 10 | 18 | 13 | 254 | other building construction |
| 030109 | land consolidation civil engineering work | | | 8 | | 11 | | 5 | 8 | 11 | 1 | 13 | 5 | 5 | 6 | 5 | 7 | 3 | 7 | 9 | 5 | 5 | 9 | 13 | 136 | land consolidation civil |
| 170209 | others | | | 8 | | 9 | | 9 | 7 | 8 | 10 | 13 | 9 | 6 | 12 | 8 | 7 | 8 | 10 | 12 | 12 | 12 | 11 | 10 | 181 | others |
| 030106 | road construction work | | | 18 | | 21 | | 11 | 9 | 3 | 9 | 12 | 9 | 14 | 9 | 6 | 6 | 9 | 7 | 4 | 6 | 8 | 13 | 8 | 182 | road construction work |
| 030202 | wooden house construction work | | | 8 | | 2 | | 8 | 13 | 7 | 9 | 10 | 7 | 8 | 8 | 9 | 6 | 8 | 6 | 4 | 5 | 9 | 7 | 8 | 142 | wooden house construction |
| | steel frame/reinforced | | | | | | | | | | | | | | | | | | | | | | | | | steel frame/reinforced |

| 030201 | concrete house construction work | | 7 | 8 | 2 | 3 | 1 | 1 | 2 | 5 | 5 | 4 | 1 | 3 | 4 | 2 | 5 | 1 | 2 | 2 | 8 | 66 | concrete house construction work |
|--------|--|--|----|----|----|----|----|----|----|----|----|----|----|----|---|---|---|---|---|----|---|-----|--|
| 140301 | golf course | | 10 | 11 | 10 | 12 | 17 | 4 | 11 | 12 | 12 | 20 | 10 | 16 | 9 | 7 | 8 | 8 | 7 | 11 | 7 | 202 | golf course |
| 010401 | lumbering | | 17 | 24 | 12 | 18 | 8 | 15 | 13 | 15 | 6 | 15 | 6 | 10 | 7 | 2 | 5 | 3 | 3 | 6 | 6 | 191 | lumbering |
| 150101 | building maintenance service | | 1 | | 1 | 2 | 2 | 1 | 1 | 1 | 3 | 2 | 4 | 1 | 2 | 1 | 3 | 1 | 1 | 2 | 4 | 33 | building maintenance service |
| 010409 | other lumber and wood products | | 5 | 6 | | 4 | 3 | 2 | 4 | 4 | 1 | 7 | 2 | 4 | 1 | 4 | 2 | 1 | 2 | 2 | 3 | 57 | other lumber and wood products |
| 030301 | electricity/telecommunication work | | 3 | | 1 | 1 | 2 | 5 | 3 | 3 | 3 | 3 | | 1 | 2 | 2 | 5 | 3 | 4 | 3 | 3 | 47 | electricity/telecommunication work |
| 130201 | social welfare facility | | 1 | 1 | | 1 | 1 | 3 | 2 | 2 | | 1 | 3 | | | 2 | 2 | 3 | 5 | 1 | 3 | 31 | social welfare facility |
| 080409 | other commerce | | | 1 | 1 | 2 | | 1 | | | 2 | | 1 | 2 | | 1 | 1 | 3 | 2 | 3 | 3 | 23 | other commerce |
| 140302 | park and amusement park | | | | | | | | 3 | | | 2 | 1 | 1 | 1 | 3 | 1 | 2 | | 2 | 3 | 19 | park and amusement park |
| 030203 | building facility construction work | | 1 | 1 | | 1 | | | | 1 | 2 | | 1 | 1 | | 2 | | 1 | | 3 | 3 | 17 | building facility construction work |
| 070101 | livestock | | 1 | 2 | | 1 | 2 | 1 | | 1 | 1 | | | | 1 | 1 | | | 1 | 2 | 3 | 17 | livestock |
| 010109 | other foods | | | | | | 2 | 1 | | | | 2 | | | | 1 | | 2 | | 1 | 3 | 12 | other foods |
| 011301 | machine products | | | | | | | 1 | | | | | | | | | | | | | 3 | 4 | machine products |
| 150109 | other cleaning and livestock process service | | 2 | | 4 | 4 | | 3 | 3 | 9 | 2 | 3 | 4 | 4 | 5 | 1 | 1 | 1 | 4 | 1 | 2 | 53 | other cleaning and livestock process service |
| 030107 | river civil engineering work | | 2 | 2 | | 3 | | 2 | | 3 | 3 | 5 | 1 | 5 | 3 | 1 | 1 | 4 | 1 | 3 | 2 | 41 | river civil engineering work |
| 080209 | other retails | | 1 | 3 | | | 1 | 3 | 2 | 2 | 3 | 2 | 1 | 5 | 2 | 1 | 3 | 1 | 2 | 2 | 2 | 36 | other retails |
| 120109 | other education/research service | | | 1 | | | 2 | 2 | 1 | | 3 | 1 | 2 | | 3 | 2 | 1 | 2 | 1 | 2 | 2 | 25 | other education/research service |
| 150102 | industrial waste management service | | 2 | 2 | | 1 | | 1 | 2 | 1 | | | | 2 | | | | 3 | 1 | 1 | 2 | 18 | industrial waste management service |
| 150103 | other waste disposal service | | | 1 | 2 | 1 | 2 | | | 1 | 1 | 2 | | 1 | 1 | | 1 | | 1 | | 2 | 16 | other waste disposal service |
| 040301 | general truck transportation | | 3 | | 3 | 4 | 2 | 2 | 3 | 1 | 3 | 1 | 2 | | 1 | 3 | 1 | 2 | 1 | 3 | 1 | 36 | general truck transportation service |

| | | | | | <u> </u> | | | | | | | ا | | | | | | | | | <u> </u> | | <u> </u> | |
|--------|--|--|---|---|----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|---|----------|--|
| 140309 | other amusement service | | 1 | 1 | | 3 | 1 | 1 | 2 | 1 | | 1 | | 1 | 1 | | 1 | | 1 | | 2 | 1 | 18 | other amusement service |
| 010909 | other sand and stone products | | | | | 1 | 2 | | 2 | 1 | 2 | 1 | | 2 | | | 1 | | 1 | | | 1 | 14 | other sand and stone products |
| 170201 | security service | | 1 | | | | | | 1 | | | | | | 1 | 1 | 1 | | 1 | | 1 | 1 | 8 | security service |
| 011709 | other manufacturing | | | | | 1 | | | 1 | | | | 1 | | | 1 | 1 | | | | 1 | 1 | 7 | other manufacturing |
| 160101 | public office | | | | | | | | | 1 | | | | | | 1 | 1 | | 1 | 2 | | 1 | 7 | public office |
| 030302 | machinery/apparatus setting work | | | | | | 1 | 1 | | | | | 1 | | 2 | | | | | | | 1 | 6 | machinery/apparatus setting work |
| 011601 | electric utility service | | 1 | | | | | | | 1 | | | | | 1 | | | 1 | | | | 1 | 5 | electric utility service |
| 080204 | fuel retail | | 2 | | | | | 1 | | | | | | | 1 | | | | | | | 1 | 5 | fuel retail |
| 011701 | auto mobile servicing | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 3 | auto mobile servicing |
| 040202 | bus service | | | | | | | | | | | 1 | | | | | | | | | 1 | 1 | 3 | bus service |
| 010102 | fishery products | | | | | | | | | 1 | | | | | | | | | | | | 1 | 2 | fishery products |
| 010103 | agricultural food products | | | 1 | | | | | | | | | | | | | | | | | | 1 | 2 | agricultural food products |
| 011001 | steel/iron/rolling products | | | | | | | | | 1 | | | | | | | | | | | | 1 | 2 | steel/iron/rolling products |
| 030111 | port/seaside construction work | | | | | | | | | | | | | | | | 1 | | | | | 1 | 2 | port/seaside construction work |
| 070201 | fishery | | | | | | | 1 | | | | | | | | | | | | | | 1 | 2 | fishery |
| 170101 | dispatch service | | | | | | | | | | | | | | | | 1 | | | | | 1 | 2 | dispatch service |
| 010804 | petroleum/coal products | | | | | | | | | | | | | | | | | | | | | 1 | 1 | petroleum/coal products |
| 030101 | hydroelectric plant construction work | | | | | | | | | | | | | | | | | | | | | 1 | 1 | hydroelectric plant construction work |
| 030108 | sand collapse prevention civil engineering work | | 3 | 8 | | | 3 | | 2 | 3 | 1 | 1 | | 1 | 2 | | 2 | 2 | | 2 | 1 | | 31 | sand collapse prevention civil engineering work |
| 050202 | port cargo handling service | | 3 | 1 | | 3 | 2 | 1 | 4 | 1 | 1 | 1 | | | | 2 | | | 1 | 1 | | | 21 | port cargo handling service |
| 080109 | other wholesale | | | | | 1 | 2 | 2 | 1 | 1 | | 2 | 1 | 2 | 1 | 3 | 2 | 1 | 1 | | | | 20 | other wholesale |
| 140101 | hotel | | | 2 | | | 1 | 3 | 1 | 1 | | | 2 | | | 2 | | 1 | | 1 | 1 | | 15 | hotel |

| | | \Box | | لـــــا | الصلاا | L | لـــــالـ | | | JI | I | 1 | | | | لـــــاا | | | | IL | | | |
|--------|--------------------------------|------------|---|---------|--------|---|-----------|---|---|----|---------|---|---|----------|---|----------|---|---|---|----|---|------|--------------------------------|
| 020110 | water supply/sewage | | | | | | | | | | | | | | | | | | | | | 11 | water supply/sewage |
| 030110 | construction work | | | | 2 | | | | | 2 | | | | 3 | | | I | 2 | | | | 11 | construction work |
| 011209 | other metal products | | 1 | | | 1 | 1 | | | | 1 | | | 1 | | | | 2 | | | 2 | 9 | other metal products |
| 140201 | general restaurant | | | | 1 | 2 | | | | | | 2 | | 1 | | | 1 | | | 1 | | 8 | general restaurant |
| 090209 | other advertisement and | | 1 | | | | | | | | | | 1 | 1 | | | | 1 | | | , | 6 | other advertisement and |
| | mediator | | | | | | | | | | | | | <u> </u> | | | | | | | | 0 | mediator |
| 130101 | hospital | | | | | 1 | 1 | 1 | | | | 2 | | | | | | | 1 | | | 6 | hospital |
| 070209 | other fishery | | | | | 1 | | | | | 2 | | | | | | | | | | 2 | 5 | other fishery |
| 120101 | auto mobile practical training | | | | | | | 2 | | 1 | | | 1 | | 1 | | | | | | | 5 | auto mobile practical training |
| 010402 | plywood | | | | | | 1 | 1 | | | | | | | | | 1 | | | | 1 | 4 | plywood |
| 010901 | cement products | | | | | 2 | | | 1 | | | | | | | | | 1 | | | | 4 | cement products |
| 020202 | gravel digging | | 1 | | | | | 1 | | | | | 1 | | 1 | | | | | | | 4 | gravel digging |
| 040101 | railroad service | | | | 1 | | | | 1 | | | 1 | | | 1 | | | | | | | 4 | railroad service |
| 040302 | specific truck transportation | | 1 | | | | | | | | 1 | | | 1 | | | | | 1 | | | 4 | specific truck transportation |
| 040302 | service | | | | | | | | | | | | | <u> </u> | | | | | ' | | | 4 | service |
| 040309 | other land cargo | | | | | | | 1 | | | 1 | 1 | | | | 1 | | | | | | 4 | other land cargo |
| | transportation service | | | | | | | | | | <u></u> | | | | | | | | | | | | transportation service |
| 011401 | heavy electrical equipment | | | | | | | 1 | | 1 | | 1 | | | | | | | | | | 3 | heavy electrical equipment |
| 011603 | city water service | | | | | | | | | | | | 1 | | | | | | 1 | | 1 | 3 | city water service |
| 030104 | railway construction work | | | | | | 1 | 1 | | | | | | | | | 1 | | | | | 3 | railway construction work |
| 030105 | bridge construction work | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | 3 | bridge construction work |
| 080101 | all kinds of wholesale | | | | | 1 | | | | | | | | | | 1 | | | | 1 | | 3 | all kinds of wholesale |
| 130301 | bathhouse | | | | | | | 2 | | | | | | | | 1 | | | | | | 3 | bathhouse |
| 010501 | wood furniture | | 1 | | 1 | | | | | | | | | | | | | | | | | 2 | wood furniture |
| 010903 | pottery products | | | | | | | | | | | 1 | | | | | | 1 | | | | 2 | pottery products |
| 010905 | other ceramic products | | 1 | | | | | 1 | | | | | | | | | | | | | | 2 | other ceramic products |
| | electronics equipment and | | | | | | | | | | | | | | | | | | | | | | electronics equipment and |

| 011403 | telecommunications | | | | | 1 | | | | | | | | 1 | | | | 2 | telecommunications |
|--------|--|--|---|---|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------------------------------|
| 01110 | apparatus | | | | | | | | | | | | | | | | | | apparatus |
| | other electrical equipment | | | | | | 1 | | 1 | | | | | | | | | 2 | other electrical equipment |
| 011702 | machine repair | | | | | | | | | 1 | | | | | | 1 | | 2 | machine repair |
| 020209 | other quarrying | | 1 | | | | | | | | | | | | | | 1 | 2 | other quarrying |
| 040102 | water transportation service | | | | | | | | | 1 | 1 | | | | | | | 2 | water transportation service |
| 040201 | taxi service | | | | | | | | | 1 | | | | | | | 1 | 2 | taxi service |
| 050201 | general harbor transportation service | | | | | | | 1 | | | | | | | 1 | | | 2 | general harbor transportation service |
| 080201 | all kinds of retail | | 1 | | | | | | | 1 | | | | | | | | 2 | all kinds of retail |
| 080401 | warehousing | | | | | 1 | | 1 | | | | | | | | | | 2 | warehousing |
| 140209 | other restaurants | | | | | 1 | | | | | | | | 1 | | | | 2 | other restaurants |
| 010101 | meat/dairy products | | | | | | 1 | | | | | | | | | | | 1 | meat/dairy products |
| 010104 | bread/cake products | | | | | | | | | | | | 1 | | | | | 1 | bread/cake products |
| 010301 | over/under wear | | | | | | | | | | | | | 1 | | | | 1 | over/under wear |
| 010509 | other furniture | | 1 | | | | | | | | | | | | | | | 1 | other furniture |
| 010701 | printing service | | | 1 | | | | | | | | | | | | | | 1 | printing service |
| 010801 | non organic or organic chemical products | | | | | | | 1 | | | | | | | | | | 1 | non organic or organic |
| 010805 | plastics products | | | | | | | | | | | 1 | | | | | | 1 | plastics products |
| 010806 | rubber products | | | | | | | | | | | 1 | | | | | | 1 | rubber products |
| 010809 | chemical fertilizer products | | | | | | | | | | | | | | | 1 | | 1 | chemical fertilizer products |
| 010899 | other chemical products | | | 1 | | | | | | | | | | | | | | 1 | other chemical products |
| 011009 | other steel products | | | | | | | | | | | | | | | | 1 | 1 | other steel products |
| 011101 | nonferrous metals/rolling products | | | | | | | | | | | | | 1 | | | | 1 | nonferrous metals/rolling products |
| | other nonferrous metal | | | | | | | | | | | | | | | | | | other nonferrous metal |

| 011109 | products | | | | | | | | | | | | | 1 | 1 | products |
|--------|-------------------------------------|--|--|---|---|--|--|---|---|--|---|---|---|---|---|-------------------------------------|
| 011305 | other precision machine products | | | | | | | | | | | | 1 | | 1 | other precision machine products |
| 011502 | auto mobile products | | | | | | | | 1 | | | | | | 1 | auto mobile products |
| 011609 | other electric/gas/water service | | | | | | | | | | | | | 1 | 1 | other electric/gas/water service |
| 011703 | cleaning | | | | | | | | | | | | 1 | | 1 | cleaning |
| 020201 | quarrying | | | 1 | | | | | | | | | | | 1 | quarrying |
| 050101 | land cargo handling service | | | | | | | | | | | | | 1 | 1 | land cargo handling service |
| 080202 | auto mobile retail | | | | | | | 1 | | | | | | | 1 | auto mobile retail |
| 080205 | newspaper retail | | | | | | | | | | | | | 1 | 1 | newspaper retail |
| 100109 | other movie/play service | | | | 1 | | | | | | | | | | 1 | other movie/play service |
| 130109 | other medical treatment | | | | | | | | | | | 1 | | | 1 | other medical treatment |
| 130309 | other health and hygiene service | | | | | | | | | | 1 | | | | 1 | other health and hygiene service |
| 150105 | livestock process service | | | | | | | | | | | | | | 1 | livestock process service |
| 010105 | alcoholic drinks | | | | | | | | | | | | | | | alcoholic drinks |
| 010106 | soft drinks | | | | | | | | | | | | | | | soft drinks |
| 010201 | silk-reeling | | | | | | | | | | | | | | | silk-reeling |
| 010202 | cotton-spinning | | | | | | | | | | | | | | | cotton-spinning |
| 010203 | weaving | | | | | | | | | | | | | | | weaving |
| 010204 | dyeing | | | | | | | | | | | | | | | dyeing |
| 010209 | other textile products | | | | | | | | | | | | | | | other textile products |
| 010309 | other fiber products | | | | | | | | | | | | | | | other fiber products |
| 010502 | metal furniture | | | | | | | | | | | | | | | metal furniture |
| 010503 | fittings | | | | | | | | | | | | | | | fittings |

| L | | | | | | | | | | l | |
|--------|--|--|------|--|--|--|--|--|--|---|--|
| 010601 | pulp/paper | | | | | | | | | | pulp/paper |
| 010602 | paper processing products | | | | | | | | | | paper processing products |
| 010609 | other pulp/paper processing products | | | | | | | | | | other pulp/paper processing products |
| 010702 | bookbinding | | | | | | | | | | bookbinding |
| 010709 | other printing and bookbinding | | | | | | | | | | other printing and bookbinding |
| 010802 | chemical fiber | | | | | | | | | | chemical fiber |
| 010803 | pharmaceuticals | | | | | | | | | | pharmaceuticals |
| 010807 | leather products | | | | | | | | | | leather products |
| 010808 | painting products | | | | | | | | | | painting products |
| 010902 | glass products | | | | | | | | | | glass products |
| 010904 | fire resisting products | | | | | | | | | | fire resisting products |
| 011002 | casting products | | | | | | | | | | casting products |
| 011102 | nonferrous metals casting products | | | | | | | | | | nonferrous metals casting products |
| 011201 | western tableware/cutting tool products | | | | | | | | | | western tableware/cutting tool products |
| 011202 | screw products | | | | | | | | | | screw products |
| 011203 | metal press products | | | | | | | | | | metal press products |
| 011204 | metal plating products | | | | | | | | | | metal plating products |
| 011302 | measuring instruments | | | | | | | | | | measuring instruments |
| 011303 | optical instruments | | | | | | | | | | optical instruments |
| 011304 | watch products | | | | | | | | | | watch products |
| 011402 | electrical appliance | | | | | | | | | | electrical appliance |
| 011501 | ship building | | | | | | | | | | ship building |
| | | | | | | | | | | | |

| 011503 | railway vehicle products | | | | | | | | | | railway vehicle products |
|--------|---|--|--|--|--|--|--|--|--|--|---|
| 011509 | other transport equipment products | | | | | | | | | | other transport equipment products |
| 011602 | city gas service | | | | | | | | | | city gas service |
| 011704 | tobacco products | | | | | | | | | | tobacco products |
| 020101 | general coal mining | | | | | | | | | | general coal mining |
| 020109 | other coal mining | | | | | | | | | | other coal mining |
| 020301 | metal mining | | | | | | | | | | metal mining |
| 020302 | petroleum mining | | | | | | | | | | petroleum mining |
| 020309 | other mining | | | | | | | | | | other mining |
| 030102 | tunnel construction work | | | | | | | | | | tunnel construction work |
| 030103 | subway construction work | | | | | | | | | | subway construction work |
| 040103 | airline service | | | | | | | | | | airline service |
| 040209 | other passenger transport service | | | | | | | | | | other passenger transport |
| 040303 | cargo/ light automobile transportation service | | | | | | | | | | cargo/ light automobile transportation service |
| 040409 | other transportation service | | | | | | | | | | other transportation service |
| 050209 | other harbor transportation service | | | | | | | | | | other harbor transportation service |
| 080102 | furniture/fittings wholesale | | | | | | | | | | furniture/fittings wholesale |
| 080203 | furniture/fittings retail | | | | | | | | | | furniture/fittings retail |
| 080301 | haircut | | | | | | | | | | haircut |
| 080302 | beauty salon | | | | | | | | | | beauty salon |
| 090101 | banking/trust business | | | | | | | | | | banking/trust business |
| 090102 | stock/commodity trade business | | | | | | | | | | stock/commodity trade business |

| 090103 | insurance business | | | | | | | | | | | | | | | | | | | | | | insurance business |
|--------|---------------------------------------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|---------------------------------------|
| 090109 | other financial business | | | | | | | | | | | | | | | | | | | | | | other financial business |
| 090201 | traveling service | | | | | | | | | | | | | | | | | | | | | | traveling service |
| 100101 | movie production and delivery service | | | | | | | | | | | | | | | | | | | | | | movie production and delivery service |
| 100102 | movie theatre | | | | | | | | | | | | | | | | | | | | | | movie theatre |
| 110101 | telecommunication service | | | | | | | | | | | | | | | | | | | | | | telecommunication service |
| 120102 | software service | | | | | | | | | | | | | | | | | | | | | | software service |
| 130102 | general clinic | | | | | | | | | | | | | | | | | | | | | | general clinic |
| 150104 | cremation service | | | | | | | | | | | | | | | | | | | | | | cremation service |
| 170202 | information processing | | | | | | | | | | | | | | | | | | | | | | information processing |
| 170202 | service | | | | | | | | | | | | | | | | | | | | | | service |
| | total | | 646 | 721 | 639 | 604 | 698 | 651 | 689 | 690 | 631 | 571 | 502 | 541 | 503 | 449 | 431 | 407 | 427 | 461 | 467 | 10,728 | total |

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

https://www.jisha.or.jp/english/statistics/202212 03.html