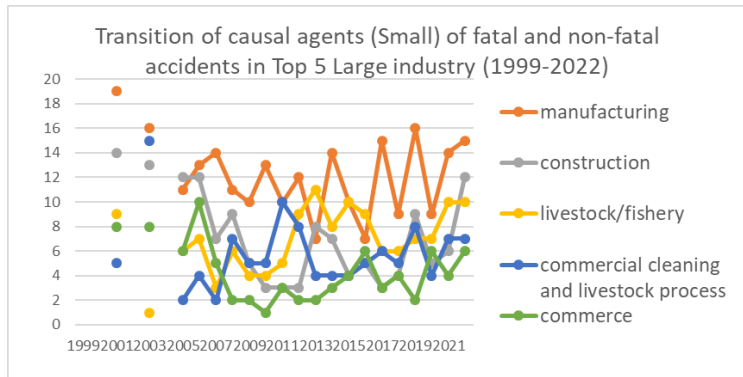
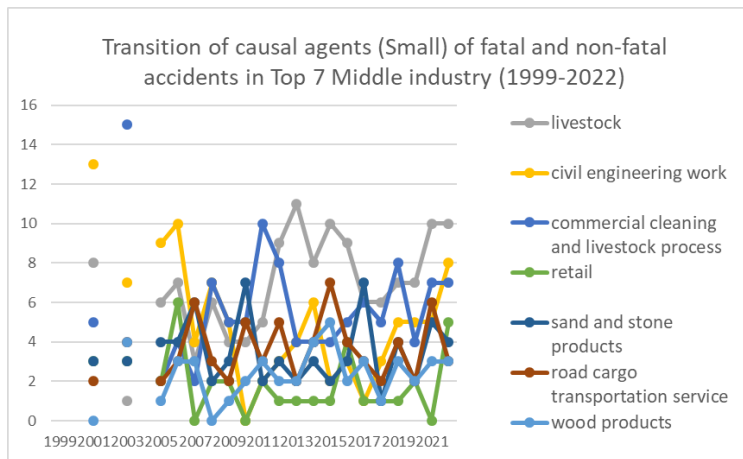


Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 225 loader (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 225 loader in Large industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 225 loader in Middle Industry (1999-2022)

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------|---|--|--|----|--|----|--|---|----|---|---|---|---|----|---|----|---|----|---|---|---|---|---|----|----|-----|---|
| 0701 | livestock | | | 8 | | 1 | | 6 | 7 | 3 | 6 | 4 | 4 | 5 | 9 | 11 | 8 | 10 | 9 | 6 | 6 | 7 | 7 | 10 | 10 | 137 | livestock |
| 0301 | civil engineering work | | | 13 | | 7 | | 9 | 10 | 4 | 7 | 5 | | 2 | 3 | 4 | 6 | 2 | 3 | 1 | 3 | 5 | 5 | 5 | 8 | 102 | civil engineering work |
| 1501 | commercial cleaning and livestock process | | | 5 | | 15 | | 2 | 4 | 2 | 7 | 5 | 5 | 10 | 8 | 4 | 4 | 4 | 5 | 6 | 5 | 8 | 4 | 7 | 7 | 117 | commercial cleaning and livestock process |
| 0802 | retail | | | 3 | | 3 | | 2 | 6 | | 2 | 2 | | 2 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 2 | | 5 | 38 | retail |
| 0109 | sand and stone products | | | 3 | | 3 | | 4 | 4 | 6 | 2 | 3 | 7 | 2 | 3 | 2 | 3 | 2 | 3 | 7 | 1 | 4 | 2 | 5 | 4 | 70 | sand and stone products |
| 0403 | road cargo transportation service | | | 2 | | 4 | | 2 | 3 | 6 | 3 | 2 | 5 | 3 | 5 | 2 | 4 | 7 | 4 | 3 | 2 | 4 | 2 | 6 | 3 | 72 | road cargo transportation service |
| 0104 | wood products | | | | | 4 | | 1 | 3 | 3 | | 1 | 2 | 3 | 2 | 2 | 4 | 5 | 2 | 3 | 1 | 3 | 2 | 3 | 3 | 47 | wood products |
| 0302 | construction work | | | 1 | | 4 | | 3 | 1 | 3 | 1 | | 2 | | | 3 | 1 | 1 | | 1 | | 2 | | 1 | 3 | 27 | construction work |
| 0108 | chemical products | | | 4 | | 1 | | 1 | 1 | 2 | 3 | 3 | | 1 | 1 | 1 | | | 1 | | 1 | 1 | 1 | | 3 | 25 | chemical products |
| 0117 | other manufacturing | | | 1 | | 5 | | 4 | 2 | | 2 | 2 | | 1 | 4 | | 1 | | | 2 | 1 | 4 | 1 | 2 | 2 | 34 | other manufacturing |
| 0501 | land cargo handling service | | | | | 1 | | 1 | | | 1 | 2 | 1 | | | | | | | 1 | 1 | | | | 2 | 10 | land cargo handling service |
| 0202 | quarrying | | | 3 | | 2 | | 4 | 3 | 2 | | 3 | | 2 | 2 | | 1 | 1 | 3 | 3 | 5 | 3 | 1 | 1 | 1 | 40 | quarrying |
| 0801 | wholesale | | | 3 | | 5 | | 4 | 3 | 3 | | | 1 | 1 | 1 | 1 | 1 | 3 | 1 | 2 | 3 | 1 | 3 | 3 | 1 | 40 | wholesale |
| 1403 | other amusement service | | | | | 1 | | 1 | 1 | 1 | | | | 4 | 2 | 1 | 2 | 2 | 2 | 2 | | 2 | 2 | | 1 | 24 | other amusement service |
| 0601 | agriculture | | | | | 2 | | | 2 | | | 1 | | 1 | 1 | | 2 | 4 | | 1 | | 2 | 4 | 1 | 1 | 22 | agriculture |
| 0303 | other construction works | | | | | 2 | | | 1 | | 1 | | 1 | 1 | | 1 | | 1 | 2 | 1 | 1 | 2 | | | 1 | 15 | other construction works |
| 0101 | food products | | | | | | | | 1 | | 2 | | | 1 | 1 | | 1 | 1 | | 2 | 1 | 2 | 1 | | 1 | 14 | food products |
| 0602 | forestry | | | 2 | | | | | 1 | | 1 | 1 | 1 | | | | | | | 1 | | 1 | | | 1 | 9 | forestry |
| 0113 | machine products | | | 2 | | | | | | | | | | | | | 1 | | | | 1 | | | | 1 | 5 | machine products |
| 0114 | electrical equipment products | | | | | | | | | 1 | | | | | | | | | | | | | | | 1 | 2 | electrical equipment products |
| 1702 | others | | | 1 | | 1 | | 2 | 1 | 2 | 6 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 2 | 3 | 1 | 1 | 2 | | 35 | others |
| 0502 | harbor transportation service | | | 1 | | 2 | | 2 | 2 | 1 | 2 | 1 | | 2 | 2 | | 1 | 1 | 2 | 1 | | | 5 | 2 | | 27 | harbor transportation service |
| 0106 | pulp/paper processing products | | | 3 | | 2 | | 1 | | | | 1 | 2 | 1 | | | 1 | 1 | | | | | 1 | | | 13 | pulp/paper processing products |
| 0110 | steel making | | | 2 | | | | | | | 1 | | | | | | | | 1 | 1 | 2 | | 1 | 2 | | 10 | steel making |
| 0804 | other commerce | | | 2 | | | | | 1 | 2 | | | | | | | 1 | | 1 | | | | 1 | 1 | | 9 | other commerce |
| 0111 | nonferrous metal making | | | 1 | | | | | 1 | | | | 1 | | 1 | 1 | 2 | | | 1 | | | | | | 8 | nonferrous metal making |
| 0112 | metal products | | | 1 | | 1 | | | 1 | 1 | 1 | | | | | | | | | | | 2 | | 1 | | 8 | metal products |
| 1201 | education/research service | | | | | | | | 2 | | | | | | | | | | 1 | | | | 1 | 1 | | 5 | education/research service |
| 0115 | transport equipment products | | | 1 | | | | | | | | | | | | 1 | | | | | | | | 1 | | 3 | transport equipment products |
| 0401 | railroad/water transportation/airline service | | | | | | | | | | | | | | | | | | 1 | | 1 | 1 | | | | 3 | railroad/water transportation/airline service |
| 0102 | textile products | | | 1 | | | | | | | | | | | | | 1 | | | | | | | | | 2 | textile products |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------|--|--|--|---|--|---|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------|------------------------------|-----------------------------|--|
| | work | | | | | | | | | | | | | | | | | | | | | | | work | | | |
| 010809 | chemical fertilizer products | | | 2 | | 1 | | 1 | 1 | 1 | 2 | | | 1 | | | | | | | | | 2 | 11 | chemical fertilizer products | | |
| 050101 | land cargo handling service | | | | | 1 | | 1 | | | 1 | 2 | 1 | | | | | | 1 | 1 | | | | 2 | 10 | land cargo handling service | |
| 080109 | other wholesale | | | 3 | | 4 | | 4 | 2 | 3 | | | 1 | 1 | 1 | 1 | 1 | 3 | 1 | 2 | 3 | 1 | 3 | 3 | 1 | 38 | other wholesale |
| 010901 | cement products | | | | | 2 | | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 1 | 1 | 1 | 1 | 2 | 5 | | 2 | 2 | 4 | 1 | 35 | cement products |
| 150103 | other waste disposal service | | | | | 5 | | 2 | 2 | | 2 | 1 | 1 | 3 | 1 | | 1 | 2 | | 1 | | 4 | 1 | 3 | 1 | 30 | other waste disposal service |
| 020201 | quarrying | | | 3 | | 2 | | 3 | 2 | 1 | | 1 | | | 1 | | 1 | | 3 | 1 | 2 | 1 | 1 | | 1 | 23 | quarrying |
| 060101 | agriculture | | | | | 2 | | | 2 | | | 1 | | 1 | 1 | | 2 | 4 | | 1 | | 2 | 4 | 1 | 1 | 22 | agriculture |
| 140301 | golf course | | | | | 1 | | 1 | 1 | | | | | 3 | 2 | 1 | 2 | 2 | | 1 | | 2 | 1 | | 1 | 18 | golf course |
| 030309 | other construction works | | | | | 2 | | | 1 | | 1 | | | 1 | | 1 | | 1 | 2 | 1 | 1 | 2 | | | 1 | 14 | other construction works |
| 011701 | auto mobile servicing | | | | | 3 | | 2 | 2 | | 1 | 1 | | | | | | | | | | 2 | 1 | | 1 | 13 | auto mobile servicing |
| 011709 | other manufacturing | | | | | 1 | | 2 | | | 1 | 1 | | | 3 | | | | | 1 | | 1 | | 2 | 1 | 13 | other manufacturing |
| 150109 | other cleaning and livestock process service | | | 1 | | 2 | | | | | 2 | | 1 | | | 1 | | | | | | 1 | 1 | | 1 | 10 | other cleaning and livestock process service |
| 010804 | petroleum/coal products | | | 2 | | | | | | | | 1 | | | | | | 1 | | 1 | 1 | 1 | | 1 | 8 | petroleum/coal products | |
| 060201 | lumbering | | | 1 | | | | | 1 | | | | 1 | | | | | | | | | 1 | | | 1 | 5 | lumbering |
| 080204 | fuel retail | | | | | 1 | | | 1 | | | | | | | | | 1 | | | | | 1 | | 1 | 5 | fuel retail |
| 010101 | meat/dairy products | | | | | | | | | | | | | 1 | | | | | | 1 | | | 1 | | 1 | 4 | meat/dairy products |
| 011301 | machine products | | | 2 | | | | | | | | | | | | 1 | | | | | | | | | 1 | 4 | machine products |
| 030202 | wooden house construction work | | | 1 | | | | | | 1 | | | 1 | | | | | | | | | | | | 1 | 4 | wooden house construction work |
| 010902 | glass products | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | 1 | 3 | glass products |
| 080202 | auto mobile retail | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | 2 | auto mobile retail |
| 011403 | electronics equipment and telecommunications apparatus | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | electronics equipment and telecommunications apparatus |
| 170209 | others | | | 1 | | 1 | | 2 | 1 | 2 | 4 | 2 | 1 | 2 | 2 | 2 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 2 | | 31 | others |
| 050202 | port cargo handling service | | | | | 1 | | 2 | 2 | 1 | 2 | 1 | | 1 | 1 | | | | | | | | 4 | 2 | | 19 | port cargo handling service |
| 010409 | other lumber and wood products | | | | | 1 | | 1 | 1 | | | | 1 | 1 | 1 | | 1 | 3 | 1 | 2 | | | 1 | 2 | | 16 | other lumber and wood products |
| 020202 | gravel digging | | | | | | | 1 | 1 | 1 | | 2 | | 2 | 1 | | | 1 | | 1 | 3 | 2 | | | | 15 | gravel digging |
| 030110 | water supply/sewage construction work | | | 3 | | 1 | | 2 | | 1 | | 1 | | | | 1 | | | | | | | | | | 9 | water supply/sewage construction work |
| 010109 | other foods | | | | | | | | 1 | | 1 | | | | 1 | | 1 | 1 | | 1 | 1 | 1 | | | | 8 | other foods |
| 010601 | pulp/paper | | | 3 | | 1 | | 1 | | | | 1 | 1 | | | | | | | | | | 1 | | | 8 | pulp/paper |
| 011209 | other metal products | | | 1 | | 1 | | | 1 | 1 | 1 | | | | | | | | | | | 2 | | 1 | | 8 | other metal products |
| 030109 | land consolidation civil engineering work | | | 2 | | | | | | 1 | | | | | | 2 | | | | | | 1 | 2 | | | 8 | land consolidation civil engineering work |
| 040309 | other land cargo transportation service | | | | | | | | | 2 | | | 1 | | | 1 | 2 | | 1 | | | | | 1 | | 8 | other land cargo transportation service |
| 050201 | general harbor transportation service | | | 1 | | 1 | | | | | | | | 1 | 1 | | 1 | | 1 | 1 | | | 1 | | | 8 | general harbor transportation service |
| 010402 | plywood | | | | | 2 | | | | 1 | | | 1 | | | 1 | 1 | | | | 1 | | | | | 7 | plywood |
| 011702 | machine repair | | | 1 | | 1 | | | | | | | | 1 | | | | 1 | 1 | 1 | | | | | | 7 | machine repair |

