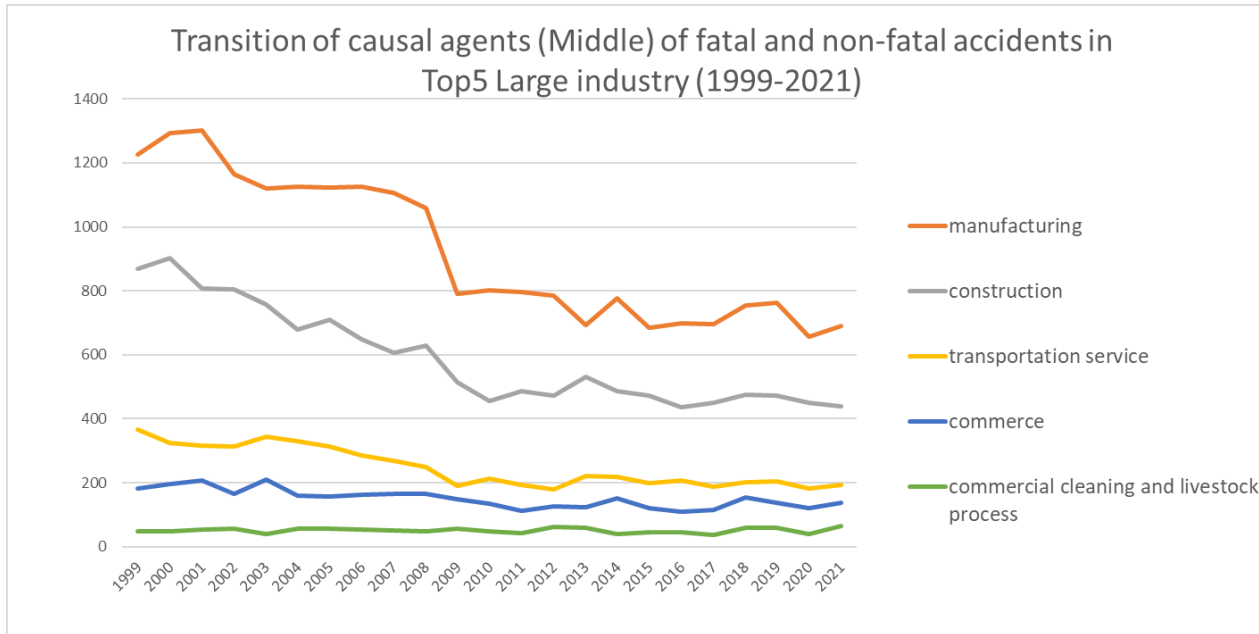
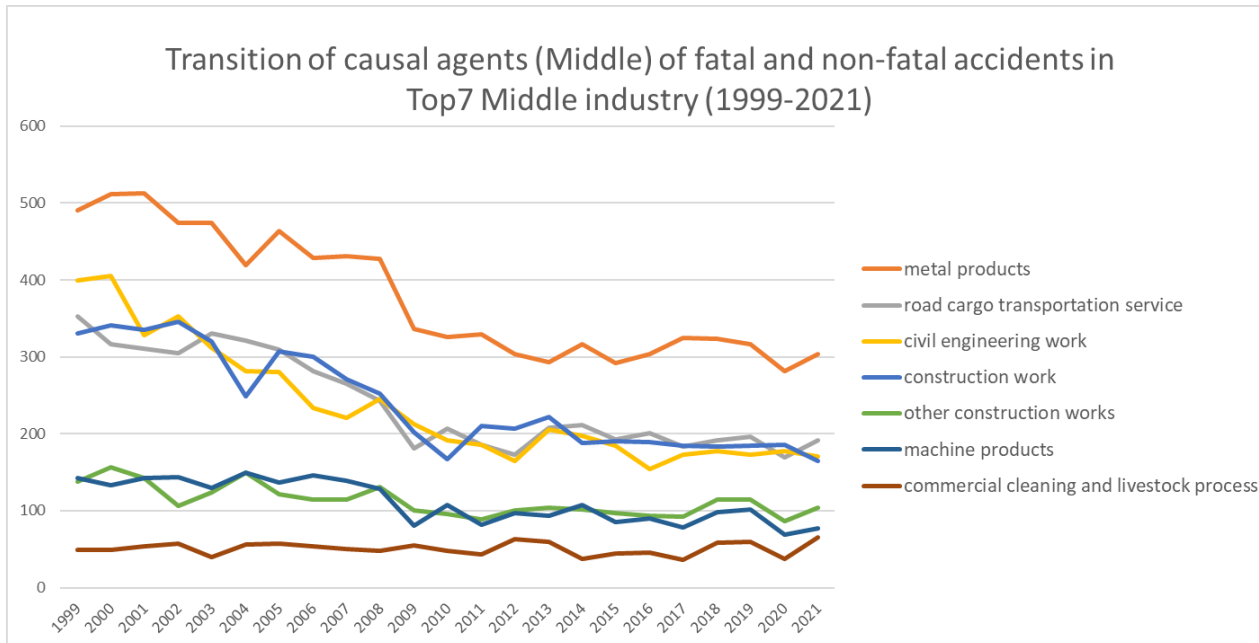


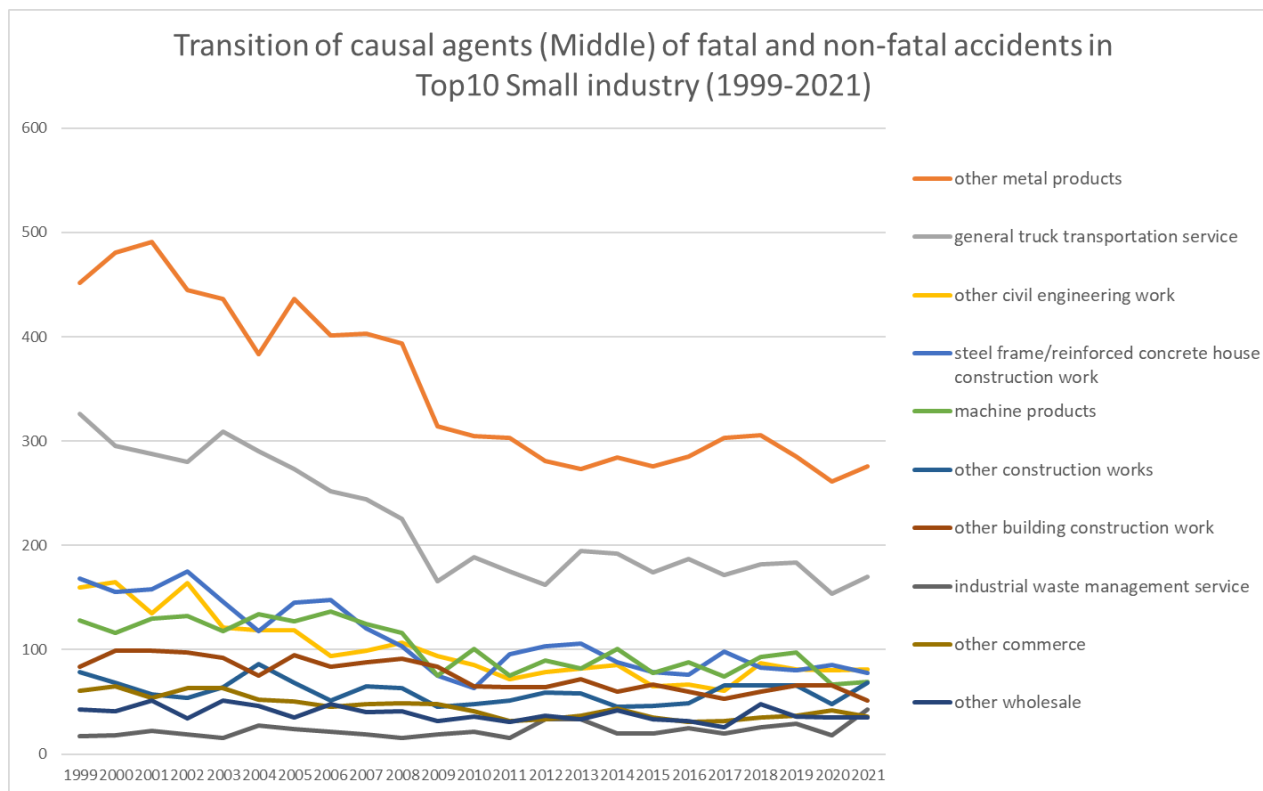
Transition of causal agents (Middle) of fatal and non-fatal accidents as code no. 21 crane (1999-2021)



Transition of causal agents (Middle) of fatal and non-fatal accidents as code no. 21 crane in Large industry (1999-2021)



Transition of causal agents (Middle) of fatal and non-fatal accidents as code no. 21 crane in Middle Industry (1999-2021)



Transition of causal agents (Middle) of fatal and non-fatal accidents as code no. 21 crane in Small Industry (1999-2021)

Transition of causal agents (Middle) of fatal and non-fatal accidents as code no. 21 crane 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 |
|------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------|---|
| 01 | manufacturing | 1,226 | 1,293 | 1,301 | 1,166 | 1,120 | 1,125 | 1,124 | 1,126 | 1,107 | 1,059 | 790 | 801 | 795 | 784 | 694 | 776 | 685 | 697 | 695 | 754 | 763 | 656 | 690 | 21,227 | manufacturing |
| 03 | construction | 868 | 903 | 806 | 805 | 756 | 680 | 709 | 648 | 607 | 628 | 515 | 455 | 485 | 473 | 531 | 487 | 472 | 436 | 450 | 475 | 471 | 450 | 440 | 13,550 | construction |
| 04 | transportation service | 365 | 324 | 316 | 313 | 343 | 330 | 313 | 286 | 268 | 250 | 189 | 212 | 193 | 179 | 221 | 218 | 199 | 207 | 188 | 201 | 204 | 182 | 194 | 5,695 | transportation service |
| 08 | commerce | 183 | 196 | 206 | 166 | 211 | 158 | 156 | 163 | 165 | 164 | 148 | 134 | 112 | 126 | 124 | 150 | 119 | 109 | 114 | 153 | 136 | 121 | 137 | 3,451 | commerce |
| 15 | commercial cleaning and livestock process | 49 | 49 | 54 | 57 | 40 | 56 | 57 | 54 | 50 | 48 | 55 | 48 | 43 | 63 | 60 | 38 | 44 | 46 | 36 | 58 | 60 | 38 | 65 | 1,168 | commercial cleaning and livestock process |
| 05 | cargo handling service | 79 | 95 | 77 | 77 | 63 | 69 | 51 | 48 | 53 | 59 | 34 | 35 | 40 | 41 | 31 | 40 | 36 | 31 | 38 | 19 | 38 | 28 | 37 | 1,119 | cargo handling service |
| 17 | others | 59 | 59 | 53 | 56 | 67 | 59 | 74 | 51 | 39 | 49 | 46 | 40 | 45 | 35 | 50 | 29 | 41 | 44 | 37 | 37 | 39 | 40 | 33 | 1,082 | others |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|------------------------------------|
| 07 | livestock/fishery | 61 | 55 | 53 | 52 | 48 | 50 | 57 | 46 | 27 | 37 | 36 | 38 | 39 | 27 | 34 | 40 | 37 | 29 | 28 | 24 | 30 | 31 | 29 | 908 | livestock/fishery |
| 06 | agriculture | 100 | 92 | 78 | 64 | 68 | 60 | 84 | 65 | 49 | 66 | 49 | 63 | 41 | 52 | 45 | 45 | 35 | 38 | 22 | 31 | 23 | 27 | 23 | 1,220 | agriculture |
| 13 | health and hygiene service | 8 | 4 | 9 | 15 | 8 | 17 | 9 | 14 | 12 | 14 | 16 | 9 | 17 | 11 | 12 | 10 | 15 | 9 | 13 | 10 | 14 | 16 | 14 | 276 | health and hygiene service |
| 02 | mining | 7 | 9 | 12 | 12 | 3 | 2 | 3 | 6 | 9 | 5 | 2 | 5 | 7 | 3 | 2 | 8 | 5 | 5 | 5 | 1 | 6 | 8 | 5 | 130 | mining |
| 12 | education/research service | 2 | 1 | 1 | 2 | 1 | 2 | 4 | | 1 | | 4 | 1 | 2 | 3 | 3 | 1 | 1 | 3 | 2 | | | | 5 | 39 | education/research service |
| 14 | hotel/restaurant/amusement service | 24 | 23 | 23 | 29 | 25 | 14 | 11 | 25 | 23 | 13 | 9 | 8 | 12 | 14 | 13 | 11 | 12 | 12 | 13 | 13 | 13 | 14 | 3 | 357 | hotel/restaurant/amusement service |
| 11 | telecommunication service | 1 | 2 | | 1 | 1 | | 5 | 9 | 5 | 8 | 2 | 6 | 3 | 8 | 3 | 1 | 4 | 3 | 3 | 5 | 3 | 1 | 2 | 76 | telecommunication service |
| 09 | financial business/advertisement | 1 | | 6 | 5 | 5 | 3 | 6 | 1 | 3 | 3 | 2 | 6 | 4 | 2 | 4 | | 3 | 2 | 2 | 1 | 1 | 2 | 1 | 63 | financial business/advertisement |
| 16 | public office | | 1 | | | 1 | | | | 1 | | 1 | | | | | 1 | | | | | | | 1 | 6 | public office |
| 10 | movie/play service | | 2 | 1 | | | | 1 | 3 | | 2 | | | 1 | 1 | 1 | | | 1 | 1 | | 1 | | | 15 | movie/play service |
| | total | 3,033 | 3,108 | 2,996 | 2,820 | 2,760 | 2,625 | 2,664 | 2,545 | 2,419 | 2,405 | 1,898 | 1,861 | 1,839 | 1,822 | 1,828 | 1,855 | 1,708 | 1,672 | 1,647 | 1,782 | 1,802 | 1,614 | 1,679 | 50,382 | total |

Transition of causal agents (Middle) of fatal and non-fatal accidents as code no. 21 crane 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 | |
|------|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|---|---------------------|
| 0112 | metal products | 491 | 511 | 513 | 474 | 474 | 419 | 464 | 429 | 431 | 427 | 336 | 326 | 329 | 304 | 293 | 316 | 292 | 304 | 325 | 323 | 317 | 282 | 304 | 8,684 | metal products | |
| 0403 | road cargo transportation service | 353 | 317 | 311 | 305 | 331 | 321 | 309 | 281 | 265 | 243 | 181 | 207 | 186 | 173 | 208 | 211 | 193 | 201 | 183 | 192 | 196 | 169 | 191 | 5,527 | road cargo transportation service | |
| 0301 | civil engineering work | 399 | 405 | 328 | 353 | 312 | 282 | 280 | 234 | 221 | 245 | 212 | 192 | 186 | 165 | 205 | 197 | 185 | 154 | 173 | 177 | 173 | 178 | 171 | 5,427 | civil engineering work | |
| 0302 | construction work | 331 | 341 | 335 | 346 | 320 | 249 | 307 | 300 | 271 | 252 | 202 | 167 | 210 | 207 | 222 | 188 | 190 | 189 | 185 | 183 | 184 | 186 | 165 | 5,530 | construction work | |
| 0303 | other construction works | 138 | 157 | 143 | 106 | 124 | 149 | 122 | 114 | 115 | 131 | 101 | 96 | 89 | 101 | 104 | 102 | 97 | 93 | 92 | 115 | 114 | 86 | 104 | 2,593 | other construction works | |
| 0113 | machine products | 143 | 133 | 142 | 144 | 130 | 150 | 137 | 146 | 139 | 128 | 81 | 108 | 82 | 97 | 93 | 107 | 85 | 90 | 78 | 98 | 102 | 69 | 77 | 2,559 | machine products | |
| 1501 | commercial cleaning and livestock process | 49 | 49 | 54 | 57 | 40 | 56 | 57 | 54 | 50 | 48 | 55 | 48 | 43 | 63 | 60 | 38 | 44 | 46 | 36 | 58 | 60 | 38 | 65 | 1,168 | commercial cleaning and livestock process | |
| 0802 | retail | 65 | 68 | 76 | 50 | 74 | 51 | 63 | 55 | 68 | 65 | 60 | 53 | 45 | 51 | 44 | 59 | 44 | 41 | 47 | 59 | 56 | 37 | 60 | 1,291 | retail | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | transport equipment |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------|--------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|--------------------------------|
| 0115 | transport equipment products | 89 | 100 | 108 | 111 | 95 | 100 | 94 | 124 | 130 | 118 | 90 | 92 | 81 | 81 | 59 | 68 | 60 | 52 | 66 | 57 | 67 | 62 | 59 | 1,963 | products |
| 0110 | steel making | 98 | 122 | 102 | 89 | 101 | 99 | 108 | 96 | 95 | 79 | 64 | 60 | 85 | 74 | 56 | 66 | 57 | 55 | 50 | 77 | 61 | 48 | 58 | 1,800 | steel making |
| 0117 | other manufacturing | 96 | 99 | 106 | 72 | 72 | 80 | 81 | 78 | 82 | 71 | 49 | 53 | 47 | 59 | 47 | 59 | 48 | 54 | 43 | 51 | 53 | 55 | 48 | 1,503 | other manufacturing |
| 0109 | sand and stone products | 124 | 135 | 124 | 100 | 82 | 96 | 71 | 79 | 80 | 83 | 47 | 58 | 53 | 58 | 54 | 44 | 42 | 42 | 39 | 38 | 63 | 51 | 46 | 1,609 | sand and stone products |
| 0804 | other commerce | 69 | 74 | 66 | 75 | 75 | 53 | 56 | 56 | 55 | 57 | 53 | 44 | 36 | 36 | 46 | 48 | 38 | 34 | 36 | 41 | 42 | 47 | 41 | 1,178 | other commerce |
| 0801 | wholesale | 49 | 54 | 64 | 41 | 62 | 54 | 37 | 52 | 42 | 42 | 35 | 37 | 31 | 39 | 34 | 43 | 36 | 34 | 31 | 53 | 38 | 37 | 36 | 981 | wholesale |
| 1702 | others | 59 | 59 | 51 | 55 | 66 | 57 | 70 | 50 | 37 | 49 | 44 | 38 | 45 | 34 | 48 | 29 | 41 | 43 | 36 | 37 | 39 | 39 | 32 | 1,058 | others |
| 0101 | food products | 50 | 52 | 53 | 47 | 46 | 49 | 46 | 48 | 46 | 35 | 41 | 36 | 38 | 29 | 25 | 55 | 29 | 21 | 25 | 34 | 26 | 22 | 30 | 883 | food products |
| 0702 | fishery | 56 | 51 | 50 | 46 | 47 | 49 | 56 | 45 | 24 | 33 | 33 | 35 | 36 | 27 | 32 | 36 | 35 | 27 | 26 | 22 | 28 | 28 | 29 | 851 | fishery |
| 0108 | chemical products | 39 | 40 | 31 | 28 | 29 | 28 | 34 | 27 | 26 | 29 | 17 | 17 | 27 | 20 | 18 | 17 | 23 | 22 | 14 | 22 | 24 | 25 | 22 | 579 | chemical products |
| 0502 | harbor transportation service | 48 | 65 | 50 | 43 | 43 | 52 | 32 | 32 | 37 | 34 | 18 | 25 | 30 | 22 | 21 | 28 | 21 | 23 | 26 | 10 | 20 | 19 | 19 | 718 | harbor transportation service |
| 0602 | forestry | 88 | 85 | 76 | 55 | 62 | 58 | 75 | 58 | 43 | 56 | 45 | 59 | 35 | 42 | 35 | 39 | 28 | 27 | 19 | 19 | 12 | 15 | 18 | 1,049 | forestry |
| 0501 | land cargo handling service | 31 | 30 | 27 | 34 | 20 | 17 | 19 | 16 | 16 | 25 | 16 | 10 | 10 | 19 | 10 | 12 | 15 | 8 | 12 | 9 | 18 | 9 | 18 | 401 | land cargo handling service |
| 0114 | electrical equipment products | 18 | 15 | 33 | 21 | 20 | 21 | 17 | 29 | 19 | 28 | 10 | 11 | 15 | 15 | 12 | 11 | 11 | 15 | 14 | 16 | 14 | 8 | 17 | 390 | electrical equipment products |
| 1302 | social welfare facility | 3 | 1 | 4 | 7 | 7 | 11 | 3 | 5 | 7 | 4 | 8 | 5 | 11 | 8 | 7 | 7 | 7 | 3 | 9 | 6 | 11 | 12 | 11 | 157 | social welfare facility |
| 0111 | nonferrous metal making | 16 | 22 | 20 | 22 | 14 | 18 | 20 | 18 | 17 | 16 | 15 | 16 | 16 | 18 | 13 | 12 | 14 | 17 | 16 | 16 | 14 | 7 | 10 | 367 | nonferrous metal making |
| 0104 | wood products | 33 | 30 | 22 | 23 | 14 | 31 | 18 | 25 | 14 | 17 | 17 | 10 | 7 | 8 | 10 | 11 | 12 | 6 | 11 | 6 | 8 | 9 | 5 | 347 | wood products |
| 0601 | agriculture | 12 | 7 | 2 | 9 | 6 | 2 | 9 | 7 | 6 | 10 | 4 | 4 | 6 | 10 | 10 | 6 | 7 | 11 | 3 | 12 | 11 | 12 | 5 | 171 | agriculture |
| 1201 | education/research service | 2 | 1 | 1 | 2 | 1 | 2 | 4 | | 1 | | 4 | 1 | 2 | 3 | 3 | 1 | 1 | 3 | 2 | | | | 5 | 39 | education/research service |
| 0202 | quarrying | 6 | 6 | 9 | 11 | 3 | 2 | 2 | 6 | 8 | 5 | 2 | 3 | 6 | 3 | 2 | 8 | 4 | 5 | 5 | 1 | 6 | 8 | 4 | 115 | quarrying |
| 0106 | pulp/paper processing products | 7 | 12 | 20 | 17 | 16 | 10 | 10 | 12 | 8 | 7 | 8 | 5 | 4 | 9 | 6 | 3 | 4 | 4 | 5 | 6 | 6 | 5 | 3 | 187 | pulp/paper processing products |
| 0102 | textile products | 8 | 6 | 6 | 10 | 9 | 8 | 7 | 1 | 4 | 9 | 4 | 1 | 5 | 4 | 2 | 4 | 1 | 10 | 4 | 5 | 3 | 3 | 3 | 117 | textile products |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|---|
| 011702 | machine repair | 19 | 28 | 37 | 19 | 26 | 27 | 28 | 32 | 23 | 20 | 8 | 11 | 16 | 18 | 19 | 20 | 16 | 15 | 16 | 18 | 17 | 14 | 21 | 468 | machine repair |
| 030106 | road construction work | 71 | 63 | 52 | 49 | 40 | 33 | 43 | 34 | 29 | 41 | 30 | 34 | 27 | 17 | 29 | 24 | 31 | 17 | 31 | 32 | 29 | 24 | 20 | 800 | road construction work |
| 030302 | machinery/apparatus setting work | 31 | 55 | 55 | 39 | 35 | 34 | 38 | 42 | 30 | 41 | 29 | 26 | 22 | 25 | 22 | 30 | 31 | 25 | 19 | 26 | 29 | 17 | 20 | 721 | machinery/apparatus setting work |
| 011001 | steel/iron/rolling products | 29 | 26 | 33 | 26 | 35 | 22 | 23 | 22 | 24 | 10 | 15 | 16 | 24 | 18 | 13 | 16 | 12 | 15 | 10 | 29 | 11 | 9 | 20 | 458 | steel/iron/rolling products |
| 030203 | building facility construction work | 10 | 14 | 18 | 15 | 21 | 7 | 21 | 20 | 11 | 15 | 12 | 14 | 16 | 10 | 12 | 8 | 17 | 16 | 10 | 13 | 7 | 15 | 19 | 321 | building facility construction work |
| 011501 | ship building | 53 | 48 | 68 | 52 | 56 | 44 | 51 | 60 | 76 | 68 | 53 | 49 | 43 | 46 | 30 | 35 | 26 | 26 | 34 | 27 | 36 | 38 | 18 | 1,037 | ship building |
| 050101 | land cargo handling service | 31 | 30 | 27 | 34 | 20 | 17 | 19 | 16 | 16 | 25 | 16 | 10 | 10 | 19 | 10 | 12 | 15 | 8 | 12 | 9 | 18 | 9 | 18 | 401 | land cargo handling service |
| 030202 | wooden house construction work | 69 | 73 | 60 | 59 | 61 | 49 | 46 | 48 | 52 | 43 | 31 | 25 | 34 | 30 | 32 | 32 | 27 | 37 | 24 | 27 | 31 | 20 | 17 | 927 | wooden house construction work |
| 030107 | river civil engineering work | 17 | 32 | 23 | 12 | 24 | 19 | 14 | 12 | 8 | 18 | 9 | 12 | 13 | 15 | 11 | 19 | 14 | 11 | 15 | 10 | 9 | 14 | 17 | 348 | river civil engineering work |
| 030301 | electricity/telecommunication work | 28 | 34 | 31 | 13 | 25 | 29 | 16 | 21 | 20 | 27 | 27 | 22 | 16 | 17 | 24 | 27 | 20 | 19 | 7 | 23 | 19 | 21 | 16 | 502 | electricity/telecommunication work |
| 011701 | auto mobile servicing | 43 | 42 | 37 | 31 | 20 | 22 | 22 | 21 | 24 | 19 | 19 | 27 | 17 | 16 | 17 | 15 | 15 | 17 | 13 | 16 | 13 | 19 | 16 | 501 | auto mobile servicing |
| 010109 | other foods | 23 | 24 | 29 | 21 | 21 | 24 | 21 | 26 | 24 | 21 | 21 | 12 | 22 | 15 | 11 | 30 | 14 | 10 | 15 | 14 | 12 | 12 | 16 | 438 | other foods |
| 150101 | building maintenance service | 17 | 17 | 21 | 22 | 12 | 20 | 19 | 15 | 21 | 17 | 22 | 17 | 16 | 17 | 13 | 11 | 14 | 7 | 8 | 20 | 17 | 9 | 15 | 367 | building maintenance service |
| 010805 | plastics products | 15 | 25 | 15 | 17 | 19 | 16 | 21 | 18 | 15 | 15 | 10 | 8 | 16 | 12 | 13 | 9 | 14 | 16 | 8 | 14 | 15 | 14 | 15 | 340 | plastics products |
| 080202 | auto mobile retail | 7 | 7 | 9 | 4 | 5 | 6 | 9 | 7 | 8 | 5 | 10 | 7 | 8 | 2 | 6 | 8 | 9 | 5 | 10 | 16 | 12 | 8 | 15 | 183 | auto mobile retail |
| 060201 | lumbering | 75 | 75 | 69 | 50 | 52 | 47 | 57 | 49 | 35 | 49 | 32 | 51 | 26 | 36 | 31 | 30 | 23 | 20 | 16 | 16 | 10 | 13 | 14 | 876 | lumbering |
| 010909 | other sand and stone products | 28 | 33 | 34 | 37 | 21 | 30 | 23 | 22 | 19 | 22 | 17 | 21 | 21 | 15 | 14 | 10 | 16 | 10 | 10 | 10 | 11 | 15 | 13 | 452 | other sand and stone products |
| 050202 | port cargo handling service | 34 | 52 | 41 | 32 | 34 | 41 | 25 | 29 | 32 | 26 | 14 | 20 | 20 | 13 | 15 | 22 | 17 | 21 | 17 | 6 | 16 | 15 | 12 | 554 | port cargo handling service |
| 030110 | water supply/sewage construction work | 46 | 45 | 33 | 28 | 36 | 34 | 34 | 26 | 22 | 17 | 23 | 21 | 22 | 15 | 15 | 15 | 26 | 12 | 19 | 13 | 15 | 13 | 12 | 542 | water supply/sewage construction work |
| 030109 | land consolidation civil engineering work | 23 | 21 | 15 | 20 | 21 | 18 | 18 | 14 | 17 | 18 | 12 | 5 | 11 | 8 | 14 | 13 | 8 | 13 | 16 | 12 | 10 | 11 | 12 | 330 | land consolidation civil engineering work |
| 011509 | other transport equipment products | 8 | 15 | 13 | 16 | 11 | 14 | 8 | 14 | 16 | 12 | 9 | 12 | 13 | 8 | 7 | 7 | 7 | 11 | 7 | 8 | 12 | 6 | 12 | 246 | other transport equipment products |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------|--|----|----|---|----|---|---|----|----|---|---|---|---|---|----|---|---|---|---|---|---|---|---|---|-----|--|---------------------------------------|
| 010801 | chemical products | 4 | | 4 | 1 | 1 | 1 | 2 | 2 | 1 | 4 | 1 | 3 | 1 | | | 2 | 3 | 2 | 1 | 1 | 5 | 3 | 2 | 44 | chemical products | |
| 010609 | other pulp/paper processing products | | 1 | 3 | 4 | 1 | 1 | 3 | 4 | 1 | 2 | 1 | | | 1 | | 1 | | | 1 | | 1 | | 2 | 27 | other pulp/paper processing products | |
| 050209 | other harbor transportation service | 1 | 3 | 1 | 2 | | 2 | 2 | | 1 | 1 | | 1 | 3 | 2 | | | | 2 | 1 | 1 | | | 2 | 25 | other harbor transportation service | |
| 080203 | furniture/fitings retail | 3 | 1 | 2 | 1 | 1 | 3 | | 2 | | | 2 | | 1 | 1 | 1 | 1 | | | | 2 | 1 | 1 | 2 | 25 | furniture/fitings retail | |
| 010301 | over/under wear | 4 | 2 | 1 | | 1 | 3 | | 2 | 2 | | | | | 2 | | | 1 | 1 | | | 1 | | 2 | 22 | over/under wear | |
| 010409 | other lumber and wood products | 13 | 8 | 9 | 6 | 5 | 7 | 10 | 7 | 2 | 7 | 9 | 1 | 1 | 2 | 6 | 8 | 6 | 4 | 2 | 2 | 3 | 6 | 1 | 125 | other lumber and wood products | |
| 011109 | other nonferrous metal products | 6 | 4 | 2 | 8 | 5 | 4 | 9 | 7 | 5 | 4 | 2 | 5 | 7 | 10 | 4 | 2 | 1 | 6 | 4 | 6 | 3 | 1 | 1 | 106 | other nonferrous metal products | |
| 140201 | general restaurant | 6 | 5 | 2 | 10 | 4 | 3 | 4 | 10 | 5 | 5 | 2 | 2 | 2 | 5 | 5 | 3 | 2 | | 5 | 4 | 7 | 5 | 1 | 97 | general restaurant | |
| 080101 | all kinds of wholesale | 6 | 11 | 8 | 6 | 9 | 7 | 2 | 3 | 2 | 1 | 1 | 1 | | 1 | 1 | 1 | 3 | 2 | 5 | 3 | 1 | 2 | 1 | 77 | all kinds of wholesale | |
| 010601 | pulp/paper | 4 | 7 | 8 | 6 | 3 | 4 | 4 | 5 | 2 | 3 | 3 | 4 | 2 | 3 | 4 | | 2 | 2 | 2 | 3 | | 2 | 1 | 74 | pulp/paper | |
| 010402 | plywood | 3 | 5 | 5 | 7 | | 3 | 2 | 4 | 4 | 1 | 2 | | 1 | 2 | 1 | | 2 | | 2 | 2 | 1 | | 1 | 48 | plywood | |
| 011402 | electrical appliance | 4 | 2 | 6 | 2 | | 3 | 3 | 4 | 3 | 2 | 3 | 2 | 1 | 1 | 1 | 1 | 2 | 3 | | 2 | 1 | 1 | 1 | 48 | electrical appliance | |
| 011503 | railway vehicle products | 2 | 2 | 1 | 2 | 2 | 4 | 1 | 4 | | 3 | 3 | 2 | 1 | 2 | 4 | 1 | | | 4 | 1 | 3 | | 1 | 43 | railway vehicle products | |
| 020202 | gravel digging | 3 | | 2 | 4 | 1 | 1 | | 2 | 4 | 2 | 2 | | 4 | | | 3 | 2 | 3 | 1 | | 1 | 4 | 1 | 40 | gravel digging | |
| 040201 | taxi service | 3 | 1 | | 2 | 2 | 3 | | 1 | 1 | 1 | 3 | 2 | | 2 | 2 | 1 | 3 | 1 | | 3 | 1 | 2 | 1 | 35 | taxi service | |
| 040102 | water transportation service | 2 | | 2 | 1 | | 1 | 1 | 2 | | 2 | 1 | 1 | | 2 | 4 | 1 | 1 | 2 | 1 | 1 | 3 | 4 | 1 | 33 | water transportation service | |
| 040409 | other transportation service | 3 | 3 | | 3 | 7 | 2 | 2 | 1 | 1 | 1 | 1 | | 2 | 1 | 3 | | | | | 1 | | 1 | 1 | 33 | other transportation service | |
| 030101 | hydroelectric plant construction work | 2 | 3 | 1 | | | | | 1 | 1 | 1 | 1 | | 5 | | | 3 | 3 | | | | 1 | 3 | 3 | 1 | 30 | hydroelectric plant construction work |
| 011201 | western tableware/cutting tool products | | 1 | 2 | 2 | 2 | 1 | 2 | | 4 | 4 | 2 | | 1 | 1 | 1 | 2 | | | 1 | | 1 | 1 | 1 | 29 | western tableware/cutting tool products | |
| 040303 | cargo/ light automobile transportation service | | | | 1 | 1 | 1 | 4 | 3 | 2 | 1 | 1 | 3 | 2 | 2 | 1 | | 2 | | 1 | 1 | 1 | 1 | 1 | 29 | cargo/ light automobile transportation service | |
| 010905 | other ceramic products | 1 | 4 | 1 | 4 | 6 | | 1 | 1 | | 1 | 1 | 1 | | | 2 | | | | | | | | 1 | 24 | other ceramic products | |
| 090103 | insurance business | 1 | | 4 | | 1 | | 3 | | 1 | 1 | 1 | 4 | 2 | | 1 | | | | 2 | 1 | | | 1 | 24 | insurance business | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------|----------------------------------|---|---|---|---|----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---------------------------|----------------------------------|
| 170101 | dispatch service | | | 2 | 1 | 1 | 2 | 4 | 1 | 2 | | 2 | 2 | | 1 | 2 | | | 1 | 1 | | 1 | 1 | 24 | dispatch service | |
| 150105 | livestock process service | 1 | 2 | 1 | 1 | 1 | | 1 | 2 | | 1 | | 1 | | 1 | 1 | | 4 | 1 | 3 | 1 | | 1 | 23 | livestock process service | |
| 010904 | fire resisting products | 2 | | 3 | 1 | | | 2 | 1 | 1 | | 1 | 3 | | 2 | 1 | | | 1 | 1 | 1 | | 1 | 21 | fire resisting products | |
| 010509 | other furniture | | | 1 | | 2 | 2 | | 2 | | 1 | | 1 | 1 | | 2 | | | 1 | | 2 | | 1 | 1 | 17 | other furniture |
| 010502 | metal furniture | | 1 | | | 1 | 2 | 4 | | | 2 | | | | 1 | | | | 1 | | | | 1 | 1 | 14 | metal furniture |
| 011603 | city water service | | | 1 | | | | | 3 | 1 | | | 1 | | | | | | | | 1 | 1 | 1 | 9 | city water service | |
| 020209 | other quarrying | 1 | 1 | 1 | 1 | | | | 1 | 1 | | | | | | 1 | | | | | | | | 1 | 8 | other quarrying |
| 020309 | other mining | 1 | 1 | | 1 | | | | | 1 | | | 1 | 1 | | | | 1 | | | | | | 1 | 8 | other mining |
| 130109 | other medical treatment service | | | | 2 | | | | | 2 | | | | | 1 | | | 1 | | | | | | 1 | 7 | other medical treatment service |
| 160101 | public office | | 1 | | | 1 | | | | 1 | | 1 | | | | | 1 | | | | | | | 1 | 6 | public office |
| 120101 | auto mobile practical training | | | | | | | | | | | 2 | | | | | | | | 1 | | | | 1 | 4 | auto mobile practical training |
| 140309 | other amusement service | 6 | 4 | 9 | 4 | 10 | 2 | 1 | 7 | 5 | 4 | 2 | 2 | 2 | 1 | 1 | 1 | 7 | 4 | 3 | 4 | 2 | 6 | | 87 | other amusement service |
| 010602 | paper processing products | 3 | 4 | 9 | 7 | 12 | 5 | 3 | 3 | 5 | 2 | 4 | 1 | 2 | 5 | 2 | 2 | 2 | 2 | 2 | 3 | 5 | 3 | | 86 | paper processing products |
| 070101 | livestock | 5 | 4 | 3 | 6 | 1 | 1 | 1 | 1 | 3 | 4 | 3 | 3 | 3 | | 2 | 4 | 2 | 2 | 2 | 2 | 2 | 3 | | 57 | livestock |
| 010902 | glass products | 2 | 4 | 4 | 1 | 3 | 1 | 2 | 2 | 2 | 3 | 1 | 3 | 4 | | 4 | | 1 | 1 | | 1 | 5 | 1 | | 45 | glass products |
| 040101 | railroad service | 1 | 3 | 2 | 2 | 2 | 2 | | | 1 | 2 | 3 | | 3 | | 1 | 2 | | 2 | 3 | 3 | 3 | 6 | | 41 | railroad service |
| 010204 | dyeing | 3 | 2 | 3 | 3 | 3 | | 4 | 1 | | 1 | 3 | | 2 | 1 | 2 | 1 | 1 | 4 | 2 | 1 | 1 | | | 38 | dyeing |
| 010501 | wood furniture | 1 | 4 | 4 | 2 | 5 | 1 | 1 | 3 | 1 | 5 | | 2 | 1 | 1 | | | 1 | 1 | 1 | | 1 | | | 35 | wood furniture |
| 010309 | other fiber products | 2 | 3 | 6 | 3 | 3 | | 4 | 3 | 2 | | 2 | | 2 | | | | 2 | 1 | | | | | | 33 | other fiber products |
| 140301 | golf course | 1 | 6 | | 2 | 2 | 5 | 1 | | 2 | 1 | 2 | 2 | 2 | 1 | 1 | 3 | | 1 | | 1 | | | | 33 | golf course |
| 010903 | pottery products | 4 | 3 | 1 | 4 | 3 | 1 | 1 | | 1 | | 1 | | | 1 | 3 | | | 1 | 4 | 2 | 1 | | | 31 | pottery products |
| 010106 | soft drinks | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | | | 3 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 2 | 2 | | 29 | soft drinks |
| 090209 | other advertisement and mediator | | | 2 | 4 | 4 | 3 | 3 | | | 2 | | | 1 | 1 | 1 | | 3 | | 1 | | 1 | | | 26 | other advertisement and mediator |
| 011302 | measuring instruments | 2 | 3 | 2 | | 1 | 4 | 1 | 1 | 2 | 3 | | | 2 | | 1 | | | | | 2 | 1 | | | 25 | measuring instruments |
| 140209 | other restaurants | | 2 | 2 | 3 | | 1 | | | 1 | | | | 2 | 4 | 1 | | | 1 | 1 | 1 | | | | 19 | other restaurants |
| 010203 | weaving | 3 | 1 | 2 | | 1 | 2 | 1 | | 1 | 1 | | | 1 | | | 1 | | 1 | 2 | | | 1 | | 18 | weaving |

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| 030103 | subway construction work | 4 | 1 | 3 | 1 | | | 2 | 1 | 2 | 1 | | | | | | | | | 1 | 1 | 1 | | 18 | subway construction work |
| 080102 | furniture/fittings wholesale | | 2 | 5 | 1 | 2 | 1 | | 1 | | | 2 | | | 1 | | | | | 2 | 1 | | | 18 | furniture/fittings wholesale |
| 040202 | bus service | 1 | | 1 | | 1 | 1 | 1 | 1 | | | | 2 | 1 | | 2 | 2 | 2 | | 1 | 1 | | | 17 | bus service |
| 010807 | leather products | 3 | 2 | 3 | | 1 | 2 | 1 | | 1 | 1 | | | | | | | | 1 | | 1 | | | 16 | leather products |
| 010803 | pharmaceuticals | 2 | 1 | 1 | 1 | | | 1 | 1 | | | | 1 | | 4 | | | | 1 | | 1 | 1 | | 15 | pharmaceuticals |
| 010804 | petroleum/coal products | | 2 | | 2 | | | 2 | | 3 | 1 | | | | | | 1 | | 1 | | 1 | | 1 | 14 | petroleum/coal products |
| 100109 | other movie/play service | | 2 | 1 | | | | 1 | 3 | | 2 | | | | 1 | 1 | | | 1 | 1 | | 1 | | 14 | other movie/play service |
| 010105 | alcoholic drinks | 1 | 1 | | | 2 | | | | | 1 | | | | | | 2 | 3 | | 1 | | | | 11 | alcoholic drinks |
| 090101 | banking/trust business | | | | 1 | | | | | 2 | | 1 | 2 | 1 | 1 | 1 | | | | 1 | | 1 | | 11 | banking/trust business |
| 080205 | newspaper retail | | 2 | 2 | | | | | 2 | | 1 | | | | 1 | | | | | | | 2 | | 10 | newspaper retail |
| 010702 | bookbinding | 3 | | | | 1 | 1 | 1 | | 1 | | | | | | | 1 | 1 | | | | | | 9 | bookbinding |
| 010809 | chemical fertilizer products | 1 | 1 | | 1 | | 1 | | | | | | 1 | | 1 | | 2 | | | | | | 1 | 9 | chemical fertilizer products |
| 010503 | fittings | | 1 | 1 | | | | | | 2 | | 1 | | | | | | 1 | | | | | 1 | 7 | fittings |
| 010808 | painting products | | | | | | 2 | 1 | | | 1 | | | 1 | | | | 1 | | | | 1 | | 7 | painting products |
| 140302 | park and amusement park | 1 | | 1 | 1 | | | | | 2 | | | | | | 1 | | | 1 | | | | | 7 | park and amusement park |
| 170202 | information processing service | | | | | | 1 | | | | | 1 | 1 | | | 1 | | | | 1 | | | 2 | 7 | information processing service |
| 011303 | optical instruments | | 1 | 1 | | | 2 | | | | 1 | | | | | | | | | | | 1 | | 6 | optical instruments |
| 020101 | general coal mining | | 2 | 3 | | | | 1 | | | | | | | | | | | | | | | | 6 | general coal mining |
| 130309 | other health and hygiene service | | | | | | 2 | 1 | | | | 2 | | | 1 | | | | | | | | | 6 | other health and hygiene service |
| 010709 | other printing and bookbinding | | 1 | 1 | | 1 | 2 | | | | | | | | | | | | | | | | | 5 | other printing and bookbinding |
| 010802 | chemical fiber | 2 | 1 | | | | | | | | | | | | | 1 | | | | | | | 1 | 5 | chemical fiber |
| 011601 | electric utility service | | | | | | | | | 1 | | | | 1 | 1 | | | | | | | | 2 | 5 | electric utility service |
| 040103 | airline service | 2 | | | | | | | | | | | | 1 | 1 | | | | | 1 | | | | 5 | airline service |
| 010201 | silk-reeling | 1 | 1 | | 1 | | | | | | | | | | | | | | 1 | | | | | 4 | silk-reeling |
| 010202 | cotton-spinning | | | | | 2 | | | | | 1 | | | | | | | | | 1 | | | | 4 | cotton-spinning |

