

Relation between causal agents and code no. 03 crash as type of Fatal accidents in 1999-2021

| L | M  | S   | causal agent                                            | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | total |
|---|----|-----|---------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
|   |    | 111 | engine                                                  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|   | 11 |     | engine                                                  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|   |    | 121 | power transmission mechanism                            |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|   | 12 |     | power transmission mechanism                            |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|   |    | 131 | circular sawing machine                                 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|   |    | 132 | band sawing machine                                     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|   |    | 133 | wood planer machine                                     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|   |    | 134 | hollow chisel mortiser, wood borer                      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|   |    | 135 | chamfering machine, router, woodworking milling machine |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|   |    | 136 | chain saw                                               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|   |    | 139 | other woodworking machines                              |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|   | 13 |     | woodworking machine                                     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|   |    | 141 | leveling, transporting or loading machine               |      | 1    |      |      |      |      | 2    | 2    |      |      |      |      | 1    | 1    | 1    |      |      |      |      |      |      |      |      | 8     |
|   |    | 142 | excavating machine                                      | 2    |      |      |      | 3    | 1    | 2    |      |      | 1    |      |      |      | 1    |      |      |      |      |      |      |      |      |      | 10    |
|   |    | 143 | foundation work machine                                 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1    |      |      | 1     |
|   |    | 144 | hardening machine                                       |      |      |      | 1    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1    |      | 2     |
|   |    | 145 | demolition machine                                      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1    |      |      | 1     |
|   |    | 146 | vehicle for high lift work                              | 1    |      |      |      | 1    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1    |      |      | 3     |

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|   |    |     |                                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|---|----|-----|----------------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
|   |    |     | machine                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|   |    | 179 | other mobile<br>silviculture<br>machine      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|   | 17 |     | mobile silviculture<br>machine               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
| 1 |    |     | machine                                      | 3 | 1 |   | 2 | 4 | 2 | 2 | 2 | 2 | 2 | 1 |   |   | 1 | 4 | 1 |   |   | 1 |   |   | 5 | 1 | 34 |
|   |    | 211 | crane                                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   | 1 |    |
|   |    | 212 | mobile crane                                 |   |   | 1 |   |   |   |   |   |   | 1 |   | 1 |   |   | 1 |   |   |   |   |   |   |   | 4 |    |
|   |    | 213 | derrick crane                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|   |    | 214 | elevator, lift                               |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |    |
|   |    | 215 | cargo lifting<br>appliance                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|   |    | 216 | gondola                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|   |    | 217 | lumberyard<br>equipment, logging<br>cableway |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|   |    | 218 | simple skyline<br>yarding equipment          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|   |    | 219 | other powered<br>crane                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|   | 21 |     | crane                                        |   | 1 | 1 |   |   |   |   |   |   | 1 |   | 1 |   |   | 1 | 1 |   |   |   |   |   |   | 6 |    |
|   |    | 221 | truck                                        | 1 | 1 |   |   | 1 | 1 | 2 |   | 3 | 3 |   | 2 | 1 |   | 1 | 1 |   | 1 |   | 1 |   | 1 | 1 | 21 |
|   |    | 222 | forklift                                     | 1 | 2 | 1 |   | 4 |   | 1 | 4 |   | 2 |   |   | 1 |   | 1 | 1 | 1 | 1 | 1 |   |   | 1 |   | 22 |
|   |    | 223 | railway equipment                            |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |    |
|   |    | 224 | conveyor                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 | 1 |    |
|   |    | 225 | loader                                       |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |    |
|   |    | 226 | straddle carrier                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|   |    | 227 | rough terrain<br>hauler                      | 1 |   |   | 1 |   | 1 |   |   |   |   | 1 | 1 |   |   | 1 | 1 |   |   |   |   | 1 |   |   | 8  |
|   |    | 229 | other powered<br>conveying<br>machines       |   |   |   |   |   | 1 |   |   |   |   |   |   | 2 | 1 |   |   |   |   |   |   | 1 |   |   | 5  |
|   | 22 |     | conveying machine                            | 3 | 3 | 1 | 1 | 5 | 5 | 3 | 4 | 3 | 5 | 1 | 3 | 4 | 1 | 3 | 3 | 1 | 2 | 1 | 1 | 2 | 2 | 2 | 59 |
|   |    | 231 | cars, bus,<br>motorcycle                     | 4 |   |   |   | 5 |   | 1 | 2 |   | 1 | 3 |   |   |   | 1 |   | 2 |   |   | 1 |   | 1 |   | 21 |
|   |    |     |                                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |

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|---|-------|----|---|---|---|----|---|----|----|---|----|---|---|---|---|---|---|---|---|---|---|---|----|---|-----|
| 0 | total | 14 | 7 | 8 | 4 | 15 | 8 | 10 | 10 | 6 | 11 | 9 | 5 | 7 | 3 | 8 | 5 | 7 | 3 | 3 | 3 | 2 | 11 | 3 | 162 |
|---|-------|----|---|---|---|----|---|----|----|---|----|---|---|---|---|---|---|---|---|---|---|---|----|---|-----|

Data of 2011 year include Industrial 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/2021eftcs.html>