

## code no.31 pressure vessel as Causal(M) agents

## Fatal &amp; non-fatal accidents caused by pressure vessel as Causal(M) agents in 1999-2020

Industry	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
010101 meat/dairy products	3	2	3	2	2	2	2	2	2	1	3	0	0	1	2	1	2	1	1	1	0	0
010102 fishery products	3	2	2	2	2		1	2	4	4	1	3	1	2	1	0	1	0	1	1	0	1
010103 agricultural food products	1	1	2		2		2	0	3	0	3	1	1	0	1	0	0	0	0	0	2	2
010104 bread/cake products	2	3	3	2	2	2	4	3	3	3	6	1	0	0	0	3	0	3	0	1	1	3
010105 alcoholic drinks	0	1	1		0	4	2	2	0	1	0	0	1	0	1	1	0	0	1	0	0	1
010106 soft drinks	2	3	0	2	2		3	2	2	0	1	0	1	2	0	2	0	0	2	0	2	0
010109 other foods	9	11	9	6	9	7	6	7	7	8	9	2	11	9	6	8	8	7	9	6	6	6
0101 food products	20	23	20	14	19	15	20	18	21	17	23	7	15	14	11	15	11	11	14	9	11	13
010201 silk-reeling	0	0	1	1	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
010202 cotton-spinning	0	0	0	1	1		0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
010203 weaving	1	1	0		0		0	1	0	0	0	0	0	0	0	0	0	1	1	0	1	1
010204 dyeing	11	11	12	4	6	4	4	2	2	4	3	6	0	2	0	1	2	0	5	1	1	4
010209 other textile products	1	0	1		0		1	0	0	0	0	0	0	2	0	0	2	1	0	0	0	0
0102 textile products	13	12	14	6	7	4	5	3	2	4	3	6	1	4	0	1	4	2	6	1	2	5
010301 over/under wear	1	1	1		0	1	0	1	3	0	2	0	0	0	0	0	0	0	0	1	0	0





010903 pottery products	0	0	0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
010904 fire resisting products	0	0	0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
010905 other ceramic products	0	0	0		0		0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
010909 other sand and stone products	0	1	2		0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1
0109 sand and stone products	0	4	4	2	2	3	3	3	5	0	1	0	0	1	0	1	2	0	0	1	1	1	
011001 steel/iron/rolling products	0	0	0		0		2	0	1	0	0	0	1	1	1	0	0	0	0	1	0	0	
011002 casting products	0	1	0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	
011009 other steel products	0	1	1		0	2	0	1	0	1	0	0	1	0	0	0	0	0	1	0	0	0	
0110 steel making	0	2	1		0	2	2	1	1	1	0	0	2	1	1	0	0	0	1	3	0	0	
011101 nonferrous metals/rolling products	0	1	1		0		0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	
011102 nonferrous metals casting products	0	0	0		0		0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	
011109 other nonferrous metal products	1	0	1		0		1	0	2	0	0	0	0	1	0	1	0	0	0	0	0	0	
0111 nonferrous metal	1	1	2		0		1	0	2	1	0	0	0	2	0	1	0	1	0	0	0	0	

making																						
011201 western tableware/cutting tool products	0	0	0		1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
011202 screw products	0	0	0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
011203 metal press products	0	1	1		0		0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
011204 metal plating products	0	0	0		0	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
011209 other metal products	9	13	10	5	5	6	5	2	7	8	5	7	3	6	5	5	3	2	4	10	1	3
0112 metal products	9	14	11	5	6	8	6	2	7	9	5	7	3	6	6	6	3	3	4	10	1	3
011301 machine products	7	5	7	7	2	4	4	4	2	3	3	1	1	3	1	0	1	2	2	1	4	2
011302 measuring instruments	0	0	0		0		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
011303 optical instruments	0	0	0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
011304 watch products	0	0	0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
011305 other precision machine products	1	0	1	1	3	1	2	1	1	0	1	1	0	0	0	0	0	0	1	2	2	0
0113 machine products	8	5	8	8	5	5	7	5	3	3	4	2	1	3	1	0	1	2	3	3	6	2
011401 heavy electrical equipment	0	1	0	1	1		0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0
011402 electrical appliance	0	0	0	1	0	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0





02 mining	0	0	0		0		1	0	0	0	0	1	0	0	0	0	1	0	0	1	0	0
030101 hydroelectric plant construction work	0	0	0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
030102 tunnel construction work	1	0	0		1		0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
030103 subway construction work	0	0	0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
030104 railway construction work	1	0	0		0		0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
030105 bridge construction work	0	0	0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
030106 road construction work	1	0	0		2	1	0	1	0	2	0	0	0	0	0	1	1	0	0	2	2	0
030107 river civil engineering work	0	0	0	2	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
030108 sand collapse prevention civil engineering work	1	0	0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
030109 land consolidation civil engineering work	0	2	0		0		0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
030110 water supply/sewage	1	0	0	1	0		0	2	0	0	1	0	0	2	0	1	0	2	0	0	0	1





030309 other construction works	3	3	6	7	5	5	7	4	7	7	3	9	3	3	2	6	3	4	4	1	3	1
0303 other construction works	10	10	13	13	13	21	12	9	12	13	5	15	8	6	4	9	6	7	9	6	4	5
03 construction	34	31	28	31	36	38	25	22	19	27	14	23	17	19	14	16	11	21	15	17	9	14
040101 railroad service	0	0	0		0		0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
040102 water transportation service	0	0	0		0		0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
040103 airline service	0	0	0		0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0401 railroad/water transportation/airline service	0	0	0		0	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
040201 taxi service	0	0	0	2	0		0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
040202 bus service	0	0	0		0		1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0
040209 other passenger transport service	0	0	0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0402 road passenger transport service	0	0	0	2	0		1	0	0	1	0	0	0	1	0	0	0	0	0	0	1	0
040301 general truck transportation service	12	13	19	13	13	12	7	5	7	3	6	7	5	7	6	4	8	5	5	2	5	2
040302 specific truck transportation service	1	2	1	1	1		1	2	0	0	3	2	0	0	1	0	0	0	0	1	1	0



transportation service																							
0502 port cargo transportation service	0	0	0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
05 cargo handling service	2	1	4		1		0	1	1	0	2	0	0	0	0	1	0	0	0	0	1	1	0
060101 agriculture	0	0	0		0	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1
0601 agriculture	0	0	0		0	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1
060201 lumbering	0	0	0		0		0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
060209 other forestry	0	0	0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0602 forestry	0	0	0		0		0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
06 agriculture	0	0	0		0	1	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	1	1
070101 livestock	3	0	0	1	0		0	1	0	0	0	0	1	0	1	2	0	0	2	0	0	0	0
0701 livestock	3	0	0	1	0		0	1	0	0	0	0	1	0	1	2	0	0	2	0	0	0	0
070201 fishery	0	0	0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
070209 other fishery	0	0	0		0		0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0
0702 fishery	0	0	0		0		0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0
07 livestock/fishery	3	0	0	1	0		0	1	0	1	0	0	1	0	2	2	0	0	2	0	0	0	0
080101 all kinds of wholesale	1	0	1	1	0		0	0	0	1	1	0	0	1	0	0	0	0	1	0	0	0	0
080102 furniture/fittings wholesale	0	0	0		0		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
080109 other wholesale	4	1	4	2	4		2	2	2	2	0	2	2	3	1	3	1	1	0	3	0	0	0







hygiene service																						
1303 other health and hygiene service	0	0	0		0		0	0	0	1	4	0	0	0	0	1	2	1	0	1	0	1
13 health and hygiene service	2	6	3	3	4	3	5	4	4	5	6	3	4	7	3	7	6	6	3	2	5	4
140101 hotel	1	2	3	3	3	2	2	0	3	0	1	0	1	0	0	4	1	5	1	2	1	0
1401 hotel	1	2	3	3	3	2	2	0	3	0	1	0	1	0	0	4	1	5	1	2	1	0
140201 general restaurant	5	2	5	12	7	4	4	4	8	13	4	4	11	3	6	9	7	14	8	6	6	5
140209 other restaurants	1	1	1		1	1	0	0	0	0	0	0	1	1	0	0	0	1	0	1	1	0
1402 restaurant	6	3	6	12	8	5	4	4	8	13	4	4	12	4	6	9	7	15	8	7	7	5
140301 golf course	0	0	0	1	1		0	0	0	1	1	0	1	0	1	0	0	0	0	1	0	1
140302 park and amusement park	0	0	0	1	0		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140309 other amusement service	2	2	1		2	1	1	1	0	1	1	0	0	5	2	0	1	1	1	2	0	1
1403 other amusement service	2	2	1	2	3	1	2	1	0	2	2	0	1	5	3	0	1	1	1	3	0	2
14 amusement service	9	7	10	17	14	8	8	5	11	15	7	4	14	9	9	13	9	21	10	12	8	7
150101 building maintenance service	4	2	8	3	3	3	3	2	4	0	5	4	2	1	8	2	0	0	1	0	1	1
150102 industrial waste management service	2	3	1		2	1	2	0	0	2	0	1	5	2	2	1	2	3	1	0	0	1



150103 other waste disposal service	0	1	1		0		0	1	0	3	1	0	0	1	1	0	0	0	0	0	0	0
150104 cremation service	0	0	0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150105 livestock process service	1	0	1		0		0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
150109 other cleaning and livestock process service	3	1	0	1	0	2	0	0	3	1	1	0	1	1	1	0	1	0	0	1	1	0
1501 commercial cleaning	10	7	11	4	5	6	5	3	7	6	7	5	8	6	12	3	3	3	2	1	2	2
15 commercial cleaning	10	7	11	4	5	6	5	3	7	6	7	5	8	6	12	3	3	3	2	1	2	2
160101 public office	1	0	0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1601 public office	1	0	0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 public office	1	0	0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170101 dispatch service	2	0	0		0		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
1701 dispatch service	2	0	0		0		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
170201 security service	0	1	1		0		0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
170202 information processing service	0	0	0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170209 others	1	2	9	5	9	4	7	4	3	3	1	2	5	4	6	1	3	3	3	6	3	4
1702 others	1	3	10	5	9	4	7	4	3	3	2	2	6	4	6	1	3	3	3	6	3	4
17 others	3	3	10	5	9	4	7	4	3	3	3	2	6	4	6	1	3	3	3	6	3	4



































hygiene service																							
1303 other health and hygiene service	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 health and hygiene service	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140101 hotel	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1401 hotel	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140201 general restaurant	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140209 other restaurants	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1402 restaurant	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140301 golf course	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140302 park and amusement park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140309 other amusement service	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1403 other amusement service	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 amusement service	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150101 building maintenance service	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150102 industrial waste management service	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0



total	1	5	4	5	0	8	4	5	2	1	0	4	2	1	1	0	2	2	2	2	0	0
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Data sources: <https://anzeninfo.mhlw.go.jp/user/anzen/tok/anst00.htm> (MHLW, Japan)

Return to <https://www.jisha.or.jp/english/statistics/2020eCMA.html>