

temperature																									
contact to harmful substance										1	1														2
electric shock		1										1													2
explosion																									
burst																									
fire																									
traffic accident (public road)	9		1	1		5							4	2				6							28
traffic accident (others)																									
reaction to motion/improper motion	3									1	1								1	1			1	1	9
others															1										1
unclassifiable																									
total	57	24	17	14	9	16	10	14	8	13	9	12	6	5	7	3	3	12	4	7	5	5	2	6	268

Causal agents (large) of fatal and non-fatal accidents in subway construction work in 1999-2022

Causal (L) agents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
machine	2	3	2		3	2	2	2	3		2	2				1	1	1	2		3	2		2	35

hauling equipment						1								1								1	3
human power machine																							
hand tool							1		1													1	3
ladder				1					4	1						1	1					1	9
slinging tool			1			2					2												5
other tools				1													1						2
other equipment, facilities																							
scaffolding			1		2		2		1		1			1					1		1		10
timbering			2		1		1		1	2	1				1								9
stairs, landing stage											1			2				3					6
opening			1				1				1												3
roof, beam, haze, crossbeam, principal rafter																							
working platform, boot board			1						1					1									3
passage							2									1	1	1		1	1		7
building, establishment			1						2					1	1		1						6

water																									
abnormal environment																									
high/cold temperature environment																									
other environments														1		1									2
other causal agent															1										1
no causal agent																									
unclassifiable																									
total	57	24	17	14	9	16	10	14	8	13	9	12	6	5	7	3	3	12	4	7	5	5	2	6	268

Workers age of fatal and non-fatal accidents in subway construction work in 1999-2022

Age	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
19 years old or less	1	1				1							1												4
20-29	13	2	3	2	1	4	1	2	1	1	2		1		1		1							1	36
30-39	7	5	2	6	2	3	3	3	4	3	1	3	2	1	2		1	1			2			1	52
40-49	14	7	4	2	3	4	1	2	2	5	1	5	1	4	1	2	1	5	2	4			2	1	73
50-59	16	7	6	2	3	3	5	5	1	4	3	1			1		1	2	1	1	2	5		1	70
60 years old or	6	2	2	2		1		2				2	3	1		2	1		3	1	2	1		2	33

more																									
total	57	24	17	14	9	16	10	14	8	13	9	12	6	5	7	3	3	12	4	7	5	5	2	6	268

Workers' number of workplace of fatal and non-fatal accidents in subway construction work in 1999-2022

Workers scale	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
9 workers or less	19	9	5	2	3	6	3	6	4	7	4	4	4	1	3		2	5	3	3	1		1	4	99
10-29	15	5	5	7	2	4	4	6	2	6	4	7	2	2	1	1		2		4	4	4	1	2	90
30-49	11	3	2	2	3	5	1	2	2		1			2	1	2	1	5	1						44
50-99	10	5	2	2	1	1	2					1			2							1			27
100-299	2	2	2	1																					7
300 workers or more			1																						1
total	57	24	17	14	9	16	10	14	8	13	9	12	6	5	7	3	3	12	4	7	5	5	2	6	268

Month of fatal and non-fatal accidents in subway construction work in 1999-2022

Month	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
January	6	5		1				3				2			1			1				2	1	3	25
February	2		1	1		2	3	2		1				2	2	1	1								18
March	3	5	2	1	2			1	1	1	1		4					2		1	1			1	26
April	4	1	1	2		2	1	1	3		1	2					1		1						20

Nara																									
Wakayama																									
Tottori																									
Shimane																									
Okayama																									
Hiroshima																									
Yamaguchi																									
Tokushima																									
Kagawa																									
Ehime																									
Kochi																									
Fukuoka	2	6	8		1		1									1			3	2	3			27	
Saga																									
Nagasaki																									
Kumamoto																									
Oita																									
Miyazaki																									
Kagoshima																									
Okinawa																	1							1	
total	57	24	17	14	9	16	10	14	8	13	9	12	6	5	7	3	3	12	4	7	5	5	2	6	268

unclassifiable																								
total	1		1	1			2															1		6

Causal agents (large) of fatal accidents in subway construction work in 1999-2022

Causal (L) agents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
machine							1																		1
crane, conveying machine	1																					1			2
other equipment																									
temporary buildings, establishments			1	1			1																		3
substance, material																									
load																									
environment																									
others																									
total	1		1	1			2															1		6	

Causal agents (middle) of fatal accidents in subway construction work in 1999-2022

19 years old or less																								
20-29							1																	1
30-39																								
40-49	1		1				1																	3
50-59																					1			1
60 years old or more				1																				1
total	1		1	1			2														1			6

Workers' number of workplace of fatal accidents in subway construction work in 1999-2022

Workers scale	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
9 workers or less			1				1																		2
10-29							1															1			2
30-49	1			1																					2
50-99																									
100-299																									
300 workers or more																									
total	1		1	1			2															1			6

Kumamoto																								
Oita																								
Miyazaki																								
Kagoshima																								
Okinawa																								
total	1		1	1			2															1		6

Data sources: <https://anzeninfo.mhlw.go.jp/user/anzen/tok/anst00.html> (MHLW, Japan)

Return to https://www.jisha.or.jp/english/statistics/2022e_industry.html