

(14) Diseases due to chemical substances (excluding cancer) in Japan in 1988-2021

Industry		1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Food products		21	11	12	25	29	33	27	17	23	30	9	9	15	24	29	30	18	28	42	25	25	16	27	26	21	24	24	26	25	18	29	27	28	31
	D*																										1	1	0	1	1	0	0	0	2
Fiber/textile products		13	6	4	5	4	6	6	16	12	5	7	7	6	2	6	5	0	3	4	2	0	5	1	4	6	8	1	5	2	0	2	3	1	0
	D*																										0	1	0	0	0	2	0	0	0
Wood/furniture products		4	3	6	3	5	4	5	3	4	5	5	5	1	1	1	1	3	5	2	5	1	2	1	0	5	1	1	0	2	0	1	0	1	1
	D*																										0	0	0	0	0	0	0	0	0
Pulp/paper processing/printing/bookbinding		6	6	1	2	2	4	12	4	2	2	5	5	-	5	3	3	7	2	3	2	2	3	4	2	0	2	4	6	1	6	6	4	3	2
	D*																										0	0	0	1	3	0	0	0	0
Chemical products		56	37	38	69	50	49	53	50	33	55	19	19	39	38	32	29	36	27	33	36	20	21	28	25	21	13	33	26	22	19	30	23	21	22
	D*																										1	0	2	1	1	1	1	1	1
Sand and stone products		6	12	9	1	5	9	7	3	4	7	2	2	6	1	5	5	4	6	3	1	1	0	2	7	1	2	3	3	1	1	3	1	1	3
	D*																										1	0	0	0	0	0	0	0	0
Steel/nonferrous metal making		3	12	12	6	8	21	13	6	7	4	5	5	9	8	5	9	3	27	9	1	8	6	4	8	4	2	4	3	8	7	10	6	2	5
	D*																										0	0	2	1	2	3	0	2	2
Metal products		35	28	29	17	32	28	28	24	26	24	17	17	14	25	15	27	28	14	20	21	14	8	12	18	15	20	8	20	13	17	17	26	22	12
	D*																										0	2	1	2	1	0	0	0	1
Machine/electrical equipment/transport equipment products		30	32	37	51	27	30	35	22	28	45	28	28	32	18	38	28	35	38	47	27	21	19	29	20	16	7	18	22	16	18	17	15	25	30
	D*																										1	1	1	0	1	0	1	0	0
Electric/gas/water service		4		2	2	1		1		2	—	1	1	1	1	2	1	2	1	2	0	1	0	0	0	0	0	3	1	1	1	0	0	1	0
	D*																										2	1	0	0	0	0	0	0	0
Other manufacturing		10	5	20	17	13	11	16	16	11	13	10	10	15	6	7	4	12	5	6	10	11	12	7	10	6	12	3	6	6	8	8	4	6	3
	D*																										0	1	0	0	0	0	0	0	0
Sub-total of manufacturing		188	152	170	198	176	195	203	161	152	190	108	108	138	129	143	142	148	156	171	130	104	92	115	120	95	91	102	118	97	95	123	109	111	109
	D*																										6	7	6	6	9	6	2	6	6

Mining		1		2	4		1		3	—	1	—	—	-	-	-	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0				
	D*																								0	0	0	0	0	0	0				
Construction		73	62	65	71	73	93	74	46	61	75	46	46	72	47	51	76	44	61	72	39	34	23	30	52	37	37	40	40	49	45	60	41	44	49
	D*																										3	4	2	2	2	0	4	3	
Transportation service		16	10	2	8	16	13	18	15	13	26	4	4	12	9	7	12	12	17	7	6	10	9	5	8	3	5	5	11	3	3	5	5	13	6
	D*																										0	1	0	0	0	0	0	0	
Cargo handling service		3	9	4	4	2	1	3	3	5	2	—	—	1	4	3	4	2	0	0	4	2	0	0	0	2	12	0	1	0	1	1	0	0	4
	D*																										0	1	0	0	0	0	0	0	
Agriculture/fishery		9	12	9	7	4	6			5	7	2	2	11	4	3	5	5	4	0	3	0	4	7	4	9	3	1	9	6	7	7	8	4	11
	D*																										0	2	0	0	0	0	0	0	
Commerce/financial business/advertisement		12	9	20	14	18	16	7	12	14	24	17	17	15	10	24	16	23	17	16	16	15	16	22	31	12	14	16	20	22	15	12	14	23	24
	D*																										0	0	0	0	0	0	0	1	
Health and hygiene service						6	9	3	7	5	8	8	6	9	5	7	12	2	13	9	13	9	7	6	6	7	8	10	7	6	7	4	5	8	
	D*																										3	0	0	0	0	0	0	0	
Hotel/restaurant/amusement service						10	22	19	33	25	15	15	12	20	8	21	10	17	12	20	15	19	14	16	19	13	11	10	10	23	11	18	14	11	
	D*																										3	1	0	0	0	0	0	0	
Commercial cleaning and livestock process						35	36	36	25	22	23	23	17	14	30	17	17	27	9	25	25	11	18	9	15	16	14	19	20	16	23	14	17	19	
	D*																										0	0	0	1	1	2	1	0	
Others		40	36	36	34	34	7	14	13	7	9	6	6	18	8	13	11	11	5	20	6	2	8	9	11	6	7	3	9	1	10	13	7	10	7
	D*																										0	0	0	0	0	0	2	0	
Total		342	290	308	340	323	383	386	311	322	386	229	229	302	254	287	311	284	306	320	258	220	191	228	257	204	205	201	247	215	222	263	220	241	248
	D*																										15	16	8	9	12	8	9	10	

D* means "Death in above".

Occupational diseases mean fatal and non-fatal diseases with work absence of 4 days and more.

Data sources: https://www.mhlw.go.jp/stf/newpage_27177.html (MHLW, Japan)

Return to <https://www.jisha.or.jp/english/statistics/2021ed.html>