

Fatal and non-fatal accidents in manufacturing in Japan in 1999-2021

manufacturing industry Code No.01

Type of accidents in manufacturing in 1999-2021

Type of accidents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Type of accidents
fall from height	4,104	4,138	4,193	3,856	3,778	3,755	3,706	3,791	3,677	3,540	3,085	2,876	2,833	2,926	2,727	2,840	2,811	2,882	2,842	3,031	2,975	2,943	2,944	76,253	fall from height
falling to same level	5,141	4,991	5,333	4,824	5,133	4,973	5,165	5,356	5,175	5,265	4,614	4,627	4,758	4,869	4,755	4,884	4,681	4,977	5,088	5,637	5,070	5,094	5,332	115,742	falling to same level
crash	1,746	1,832	1,679	1,453	1,488	1,524	1,533	1,493	1,606	1,427	1,187	1,186	1,195	1,087	1,111	1,150	1,173	1,159	1,171	1,303	1,312	1,237	1,333	31,385	crash
struck by flying or falling object	4,334	4,211	4,004	3,457	3,363	3,476	3,328	3,294	3,141	3,034	2,310	2,290	2,325	2,378	2,168	2,186	2,031	2,122	2,039	2,023	1,801	1,730	1,811	62,856	struck by flying or falling object
collapse	1,064	1,148	1,078	939	965	960	931	984	971	863	669	708	657	687	650	633	659	646	563	623	595	508	512	18,013	collapse
crashed by	2,046	1,842	1,859	1,710	1,549	1,594	1,604	1,589	1,638	1,569	1,092	1,181	1,098	1,095	1,033	1,165	1,135	1,085	1,129	1,174	1,203	1,040	1,160	31,590	crashed by
caught in/between	14,529	14,399	13,429	12,432	12,301	12,017	11,383	11,110	10,716	10,011	8,007	8,228	8,290	8,077	7,626	7,668	7,214	7,017	7,159	7,044	6,959	6,209	6,501	218,326	caught in/between
cut	5,759	5,705	5,356	4,869	4,808	4,575	4,247	4,016	4,073	3,891	3,217	3,213	3,209	3,098	2,972	2,920	2,716	2,601	2,523	2,534	2,571	2,320	2,319	83,512	cut
injury to the sole of the foot	72	61	73	75	35	44	55	63	57	38	31	33	40	40	34	41	51	51	42	43	31	32	29	1,071	injury to the sole of the foot
drown	2	10	6	5	7	7	7	4	5	2	2	6	282	1	3	2	3	6	4	3	1	5	3	376	drown
contact to high/low-temperature	1,134	1,195	1,152	1,061	1,056	1,083	982	1,034	972	1,013	834	947	880	872	954	896	794	866	908	983	911	885	813	22,225	contact to high/low-temperature
contact to harmful substance	236	251	267	301	282	300	283	323	301	238	199	234	227	209	208	217	232	208	227	232	216	241	222	5,654	contact to harmful substance
electric shock	59	63	72	51	43	56	49	39	42	42	30	40	37	38	39	29	34	38	28	39	27	24	30	949	electric shock
explosion	87	88	58	58	90	64	59	46	77	59	38	40	37	54	35	57	19	30	33	25	38	30	27	1,149	explosion

burst	42	31	34	37	37	26	28	33	31	38	15	16	22	27	13	17	24	19	18	16	14	14	16	568	burst
fire	53	49	55	43	46	54	54	63	45	48	50	42	29	35	44	39	43	37	17	32	31	35	27	971	fire
traffic accident (public road)	607	631	578	559	521	515	479	470	469	401	358	461	375	352	364	313	326	323	299	323	306	245	265	9,540	traffic accident (public road)
traffic accident (others)	19	24	19	9	12	16	13	15	16	8	5	11	7	7	10	7	14	6	14	20	8	3	6	269	traffic accident (others)
reaction to motion/improper motion	2,736	2,654	2,622	2,419	2,442	2,349	2,592	2,773	2,921	2,820	2,119	2,385	2,333	2,313	2,191	2,241	2,281	2,248	2,433	2,581	2,646	2,595	2,929	57,623	reaction to motion/improper motion
others	177	183	146	119	146	170	147	136	211	119	98	99	218	101	104	116	118	112	103	146	129	470	2,305	5,673	others
unclassifiable	51	47	55	46	43	35	49	38	52	38	35	20	20	25	36	31	32	21	34	30	29	15	21	803	unclassifiable
total	43,998	43,553	42,068	38,323	38,145	37,593	36,694	36,670	36,196	34,464	27,995	28,643	28,872	28,291	27,077	27,452	26,391	26,454	26,674	27,842	26,873	25,675	28,605	744,548	total

Causal agents (large) of fatal and non-fatal accidents in manufacturing in 1999-2021

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	total	Causal (L) agents
machine	15,572	15,318	14,050	12,958	12,766	12,319	11,646	11,190	10,896	10,248	8,241	8,432	8,444	8,220	7,737	7,613	7,273	6,975	6,974	6,895	6,784	6,190	6,296	223,037	machine
crane, conveying machine	5,481	5,616	5,549	5,050	5,023	4,967	4,793	4,754	4,816	4,472	3,593	3,709	3,514	3,438	3,363	3,457	3,190	3,255	3,329	3,386	3,366	3,058	3,217	94,396	crane, conveying machine
other equipment	6,729	6,742	6,755	6,159	6,240	6,327	6,374	6,218	6,496	6,325	5,152	5,159	5,207	5,127	5,109	5,118	5,034	5,175	5,097	5,178	5,406	5,084	5,421	131,632	other equipment
temporary buildings, establishments	5,812	5,756	5,961	5,541	5,758	5,805	5,745	6,058	5,665	5,858	5,045	5,074	5,093	5,200	4,759	5,144	5,078	5,294	5,314	5,830	5,335	5,294	5,556	125,975	temporary buildings, establishments
substance, material	6,211	5,920	5,642	5,063	4,721	4,720	4,490	4,613	4,456	3,923	3,065	3,089	3,044	3,066	2,930	2,971	2,797	2,707	2,773	2,742	2,574	2,335	2,441	86,293	substance, material
load	2,148	2,207	2,215	1,918	1,875	1,790	1,837	1,951	2,017	1,844	1,435	1,492	1,478	1,479	1,385	1,337	1,385	1,416	1,335	1,517	1,430	1,372	1,499	38,362	load

environment	449	439	506	385	403	423	429	472	367	402	282	471	837	539	552	596	394	508	532	783	514	572	465	11,320	environment
others	1,596	1,555	1,390	1,249	1,359	1,242	1,380	1,414	1,483	1,392	1,182	1,217	1,255	1,222	1,242	1,216	1,240	1,124	1,320	1,511	1,464	1,770	3,710	33,533	others
total	43,998	43,553	42,068	38,323	38,145	37,593	36,694	36,670	36,196	34,464	27,995	28,643	28,872	28,291	27,077	27,452	26,391	26,454	26,674	27,842	26,873	25,675	28,605	744,548	total

Causal agents (middle) of fatal and non-fatal accidents in manufacturing in 1999-2021

Causal (M) agents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Causal (M) agents
engine	24	36	34	22	26	26	16	16	20	15	20	14	12	19	10	8	13	6	17	18	13	7	11	403	engine
power transmission mechanism	494	434	395	392	324	333	376	329	306	311	263	287	254	257	243	233	257	207	252	245	204	199	199	6,794	power transmission mechanism
woodworking machine	2,614	2,489	2,164	1,918	1,940	1,706	1,611	1,467	1,450	1,288	1,086	1,082	1,077	988	922	978	844	818	762	778	760	706	719	30,167	woodworking machine
construction machine	173	170	154	128	118	134	152	133	120	115	102	112	81	110	99	91	80	86	96	77	94	94	99	2,618	construction machine
metal manufacturing machine	5,077	4,902	4,364	3,907	3,890	3,876	3,661	3,611	3,521	3,178	2,192	2,362	2,547	2,485	2,299	2,308	2,179	2,052	2,018	2,028	2,002	1,788	1,843	68,090	metal manufacturing machine
general machine	7,190	7,287	6,939	6,591	6,468	6,244	5,830	5,634	5,479	5,341	4,578	4,575	4,473	4,361	4,164	3,995	3,894	3,801	3,826	3,747	3,705	3,393	3,422	114,937	general machine
mobile silviculture machine																	6	5	3	2	6	3	3	28	mobile silviculture machine
crane	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	crane
conveying machine	3,491	3,541	3,459	3,202	3,262	3,159	3,046	3,017	3,081	2,821	2,292	2,350	2,228	2,250	2,224	2,263	2,078	2,152	2,239	2,196	2,189	2,047	2,143	60,730	conveying machine
vehicle	764	782	789	682	641	683	623	611	628	592	511	558	491	404	445	418	427	406	395	436	414	355	384	12,439	vehicle
pressure vessel	81	88	90	70	67	64	73	66	73	61	61	41	36	60	37	36	30	33	46	40	36	31	38	1,258	pressure vessel

chemical facilities	33	37	20	37	32	38	37	30	27	28	20	16	24	24	13	24	19	26	19	29	22	14	33	602	chemical facilities
welding equipment	279	279	272	252	222	241	239	225	242	235	180	126	141	170	174	175	145	172	154	145	141	138	135	4,482	welding equipment
kiln, caldron	158	180	180	144	169	164	133	126	137	147	130	146	104	101	134	123	105	100	124	104	134	121	114	3,078	kiln, caldron
electric equipment	98	95	96	81	80	100	87	71	80	97	65	70	75	71	57	55	71	61	62	71	62	64	64	1,733	electric equipment
human power machine, tools	2,265	2,281	2,291	2,179	2,184	2,135	2,107	2,025	2,198	2,066	1,698	1,753	1,753	1,776	1,739	1,732	1,644	1,685	1,647	1,714	1,807	1,694	1,795	44,168	human power machine, tools
tools	2,810	2,814	2,847	2,464	2,627	2,646	2,671	2,721	2,778	2,739	2,218	2,185	2,274	2,115	2,161	2,112	2,202	2,272	2,234	2,273	2,423	2,257	2,342	56,185	tools
other equipments, facilities	1,005	968	959	932	859	939	1,027	954	961	952	780	822	800	810	794	861	818	826	811	802	781	765	900	20,126	other equipments, facilities
temporary buildings, establishments	5,812	5,756	5,961	5,541	5,758	5,805	5,745	6,058	5,665	5,858	5,045	5,074	5,093	5,200	4,759	5,144	5,078	5,294	5,314	5,830	5,335	5,294	5,556	125,975	temporary buildings, establishments
hazards, harmful substances	511	521	535	538	515	517	478	513	483	404	337	365	398	347	399	396	373	358	359	337	339	317	336	9,676	hazards, harmful substances
materials	5,700	5,399	5,107	4,525	4,206	4,203	4,012	4,100	3,973	3,519	2,728	2,724	2,646	2,719	2,531	2,575	2,424	2,349	2,414	2,405	2,235	2,018	2,105	76,617	materials
load	2,148	2,207	2,215	1,918	1,875	1,790	1,837	1,951	2,017	1,844	1,435	1,492	1,478	1,479	1,385	1,337	1,385	1,416	1,335	1,517	1,430	1,372	1,499	38,362	load
natural environment	449	439	506	385	403	423	429	472	367	402	282	471	837	539	552	596	394	508	532	783	514	572	465	11,320	natural environment
other causal agent	564	561	427	299	343	350	339	354	375	333	221	218	305	252	305	284	278	235	276	291	274	578	2,425	9,887	other causal agent
no causal agent	936	911	879	892	942	834	970	1,005	1,036	994	899	966	917	929	893	891	923	861	1,006	1,158	1,154	1,176	1,263	22,435	no causal agent
unclassifiable	96	83	84	58	74	58	71	55	72	65	62	33	33	41	44	41	39	28	38	62	36	16	22	1,211	unclassifiable
total	43,998	43,553	42,068	38,323	38,145	37,593	36,694	36,670	36,196	34,464	27,995	28,643	28,872	28,291	27,077	27,452	26,391	26,454	26,674	27,842	26,873	25,675	28,605	744,548	total

Causal agents (small) of fatal and non-fatal accidents in manufacturing in 1999-2021

Causal (S) agents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Causal (S) agents
engine			34		26		16	16	20	15	20	14	12	19	10	8	13	6	17	18	13	7	11	295	engine
power transmission mechanism			395		324		376	329	306	311	263	287	254	257	243	233	257	207	252	245	204	199	199	5,141	power transmission mechanism
circular sawing machine			993		946		787	733	674	618	536	553	504	457	434	473	423	393	356	375	375	348	345	10,323	circular sawing machine
band sawing machine			203		159		134	99	121	86	88	65	82	66	68	67	54	52	50	53	36	50	42	1,575	band sawing machine
wood planer machine			216		180		152	135	125	142	120	114	129	75	89	95	69	67	67	69	80	66	71	2,061	wood planer machine
hollow chisel mortiser, wood borer			66		41		33	29	44	32	23	21	23	22	33	21	24	23	19	21	13	16	6	510	hollow chisel mortiser, wood borer
chamfering machine, router, woodworking milling machine			92		87		53	42	57	54	34	27	35	30	32	33	27	25	22	34	22	22	23	751	chamfering machine, router, woodworking milling machine
chain saw			27		34		17	26	17	25	23	23	11	26	12	17	9	11	15	8	10	18	23	352	chain saw
other woodworking machines			567		493		435	403	412	331	262	279	293	312	254	272	238	247	233	218	224	186	209	5,868	other woodworking machines
leveling, transporting or loading machine			49		39		36	25	29	32	29	34	37	34	32	25	26	24	27	18	30	28	32	586	leveling, transporting or loading machine
excavating machine			48		34		65	48	49	35	39	43	16	35	34	31	22	20	35	25	31	27	33	670	excavating machine
foundation work machine			2		5		6	3	2	3	3	1	2	2	2	1	4	2	2	4	2	2	2	50	foundation work machine
hardening machine			5		2		2	3	3	1	1	3	2	1	1	1	2	1	2	1	1	2	2	36	hardening machine



power machines			3,539		3,304		2,874	2,960	2,836	2,721	2,203	2,230	2,239	2,054	1,992	1,956	1,969	1,879	1,883	2,027	1,925	1,700	1,740	44,031	power machines	
felling machine																	3	5	1		5	2	2	18	felling machine	
mobile logging machine																	2		1	1	1		1	6	mobile logging machine	
skyline yarding machine																										skyline yarding machine
other mobile silviculture machine																	1		1	1		1		4	other mobile silviculture machine	
crane			963		856		883	849	843	847	607	615	631	625	534	590	544	556	559	595	601	496	550	12,744	crane	
mobile crane			110		87		76	88	89	77	60	62	61	55	55	60	50	58	53	51	50	47	51	1,240	mobile crane	
derrick crane			2		2							2	1											7	derrick crane	
elevator, lift			137		109		92	105	110	80	67	77	50	57	56	72	60	46	45	54	65	53	53	1,388	elevator, lift	
cargo lifting appliance			4				3		3		1	1	2			1		2		3	1	3	2	26	cargo lifting appliance	
gondola			1		2			1	1	4		3		1	2	2	1	1						19	gondola	
lumberyard equipment, logging cableway			2				1	2		2	2	1					1		2			1		14	lumberyard equipment, logging cableway	
simple skyline yarding equipment																										simple skyline yarding equipment
other powered crane			82		64		69	81	61	49	53	40	50	46	47	51	29	34	36	51	46	56	34	979	other powered crane	
truck			1,233		1,091		986	1,001	1,025	855	769	770	703	752	768	761	708	763	797	783	772	752	764	16,053	truck	
forklift			970		942		952	894	922	909	684	645	664	671	621	649	614	633	638	653	652	596	620	13,929	forklift	
railway equipment			17		11		14	21	15	24	14	6	11	13	12	13	7	7	6	6	16	8	5	226	railway equipment	
conveyor			1,030		995		895	918	931	879	683	760	708	678	714	699	623	629	651	620	599	575	625	14,212	conveyor	
loader			19		16		11	13	14	11	10	13	10	12	7	14	10	7	15	9	16	9	14	230	loader	
straddle carrier					1		1					1	1	1	1	1	1						1	9	straddle carrier	







harmful substance			172		161		187	208	177	141	110	139	147	131	141	140	154	132	124	131	110	99	107	2,711	harmful substance
radiation					1					1								1					2	5	radiation
other hazards, harmful substances			218		193		158	176	182	154	144	134	159	133	170	150	141	154	164	140	158	162	164	3,054	other hazards, harmful substances
metal material			3,503		2,899		2,841	2,894	2,867	2,573	1,946	1,894	1,851	1,922	1,736	1,842	1,716	1,702	1,730	1,736	1,607	1,432	1,468	40,159	metal material
lumber, bamboo			790		628		560	511	491	383	312	311	299	299	319	280	268	262	243	264	231	242	246	6,939	lumber, bamboo
stone, sand, substance			198		148		119	115	89	97	73	72	65	76	63	86	71	50	54	45	43	36	37	1,537	stone, sand, substance
other materials			616		531		492	580	526	466	397	447	431	422	413	367	369	335	387	360	354	308	354	8,155	other materials
load			1,892		1,623		1,596	1,696	1,771	1,625	1,260	1,320	1,317	1,317	1,232	1,214	1,247	1,276	1,231	1,381	1,304	1,259	1,387	26,948	load
machine/equipment as load			323		252		241	255	246	219	175	172	161	162	153	123	138	140	104	136	126	113	112	3,351	machine/equipment as load
natural ground, rock			33		34		32	40	34	31	17	29	22	26	22	17	24	24	17	35	22	25	19	503	natural ground, rock
standing tree			26		27		16	23	15	17	20	22	18	18	17	22	10	11	20	22	21	16	10	351	standing tree
water			27		39		34	47	33	34	21	19	374	31	34	32	18	30	26	30	31	41	15	916	water
abnormal environment			8		7		4	12	13	9	12	6	7	8	13	6	2	3	8	13	5	14	4	154	abnormal environment
high/cold temperature environment			142		90		94	128	110	122	77	214	142	160	173	180	141	163	174	319	249	267	172	3,117	high/cold temperature environment
other environments			270		206		249	222	162	189	135	181	274	296	293	339	199	277	287	364	186	209	245	4,583	other environments
other causal agent			427		343		339	354	375	333	221	218	305	252	305	284	278	235	276	291	274	578	2,425	8,113	other causal agent
no causal agent			879		942		970	1,005	1,036	994	899	966	917	929	893	891	923	861	1,006	1,158	1,154	1,176	1,263	18,862	no causal agent
unclassifiable			84		74		71	55	72	65	62	33	33	41	44	41	39	28	38	62	36	16	22	916	unclassifiable
total			42,068		38,145		36,694	36,670	36,196	34,464	27,995	28,643	28,872	28,291	27,077	27,452	26,391	26,454	26,674	27,842	26,873	25,675	28,605	581,081	total

Workers age of fatal and non-fatal accidents in manufacturing in 1999-2021



February	3,777	3,878	3,508	2,981	3,121	2,883	3,029	3,118	2,938	3,171	2,269	2,321	2,250	2,647	2,163	2,457	2,104	2,269	2,212	2,340	2,234	2,194	2,230	62,094	February
March	3,849	3,842	3,869	3,254	3,264	3,414	3,314	3,146	3,182	2,982	2,398	2,451	2,813	2,477	2,256	2,266	2,317	2,246	2,353	2,355	2,242	2,134	2,416	64,840	March
April	3,535	3,382	3,508	3,215	3,118	3,111	2,920	2,968	2,974	2,898	2,378	2,283	2,201	2,257	2,193	2,182	2,124	2,209	2,071	2,098	2,102	2,054	2,409	60,190	April
May	3,557	3,529	3,543	3,288	3,201	2,903	2,865	2,982	3,080	2,850	2,154	2,204	2,193	2,284	2,218	2,273	2,090	2,046	2,123	2,229	2,154	1,839	2,276	59,881	May
June	3,832	3,730	3,664	3,053	3,341	3,372	3,227	3,084	3,097	2,885	2,290	2,549	2,525	2,412	2,158	2,297	2,374	2,246	2,315	2,390	2,266	2,239	2,393	63,739	June
July	3,940	3,754	3,758	3,600	3,386	3,421	3,236	3,145	3,259	3,178	2,462	2,586	2,449	2,451	2,505	2,438	2,463	2,249	2,326	2,607	2,572	2,216	2,422	66,423	July
August	3,611	3,647	3,355	3,078	3,119	3,011	3,197	3,118	3,133	2,667	2,236	2,410	2,397	2,430	2,209	2,195	2,074	2,206	2,265	2,277	2,199	2,133	2,826	61,793	August
September	3,916	3,755	3,370	3,269	3,323	3,275	3,133	3,080	2,918	2,905	2,348	2,505	2,507	2,280	2,239	2,383	2,166	2,240	2,200	2,183	2,291	2,097	2,508	62,891	September
October	3,659	3,823	3,620	3,514	3,358	3,323	3,076	3,149	3,167	2,986	2,406	2,431	2,418	2,284	2,462	2,380	2,302	2,206	2,310	2,479	2,299	2,297	2,269	64,218	October
November	3,498	3,511	3,241	3,219	2,921	2,950	2,961	3,017	2,849	2,619	2,254	2,383	2,376	2,235	2,335	2,145	2,114	2,197	2,179	2,286	2,194	2,011	2,218	59,713	November
December	3,358	3,388	3,085	2,817	2,859	2,830	2,791	2,789	2,699	2,423	2,209	2,177	2,319	2,132	2,102	2,146	2,011	1,999	2,111	2,089	2,069	2,245	2,182	56,830	December
total	43,998	43,553	42,068	38,323	38,145	37,593	36,694	36,670	36,196	34,464	27,995	28,643	28,872	28,291	27,077	27,452	26,391	26,454	26,674	27,842	26,873	25,675	28,605	744,548	total

Prefecture of fatal and non-fatal accidents in manufacturing in 1999-2021

Prefecture	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Prefecture
Hokkaido	1,955	2,088	1,988		1,739		1,648	1,624	1,634	1,464	1,309	1,284	1,238	1,188	1,231	1,160	1,187	1,227	1,202	1,202	1,104	1,144	1,217	29,833	Hokkaido
Aomori	362	312	313		296		267	268	280	262	211	224	251	259	217	254	214	219	243	244	209	231	243	5,379	Aomori
Iwate	496	498	508		398		399	376	355	356	280	321	352	308	279	320	298	281	273	298	266	275	324	7,261	Iwate
Miyagi	718	689	643		606		614	626	571	607	457	474	661	460	471	452	421	474	473	502	465	464	543	11,391	Miyagi
Akita	357	381	298		241		233	257	256	251	215	200	209	225	208	203	183	193	201	247	219	191	218	4,986	Akita
Yamagata	451	428	453		388		364	398	376	355	256	281	308	331	333	299	299	310	282	323	297	287	314	7,133	Yamagata
Fukushima	698	720	689		585		603	609	604	562	433	461	498	477	481	452	426	451	420	448	454	414	534	11,019	Fukushima
Ibaraki	1,099	1,157	1,145		987		961	958	983	972	784	823	847	873	790	838	813	782	850	894	884	833	888	19,161	Ibaraki
Tochigi	798	751	723		707		678	627	603	623	506	498	534	603	537	544	546	569	524	551	548	503	603	12,576	Tochigi
Gunma	1,188	1,133	1,080		989		955	972	949	865	713	730	760	751	727	800	709	772	697	792	729	731	784	17,826	Gunma
Saitama	1,950	1,961	1,987		2,004		1,946	1,891	1,942	1,862	1,525	1,526	1,406	1,486	1,383	1,504	1,401	1,407	1,396	1,427	1,464	1,366	1,620	34,454	Saitama
Chiba	1,399	1,372	1,331		1,163		1,102	1,205	1,196	1,165	1,097	1,077	985	1,043	976	971	1,006	969	904	1,012	905	910	1,074	22,862	Chiba



Fukuoka	1,532	1,579	1,501		1,388		1,326	1,242	1,330	1,274	1,095	1,011	1,057	971	1,016	963	968	959	947	1,028	962	946	980	24,075	Fukuoka
Saga	343	349	302		298		301	321	327	352	224	253	293	279	289	243	239	291	314	325	302	318	293	6,256	Saga
Nagasaki	529	473	463		399		388	429	375	358	348	371	363	356	317	364	323	343	328	327	353	344	309	7,860	Nagasaki
Kumamoto	596	555	530		513		486	473	524	428	389	369	374	339	369	350	371	358	365	385	393	368	412	8,947	Kumamoto
Oita	470	471	443		411		340	405	367	371	313	295	265	279	240	258	258	247	244	276	234	245	235	6,667	Oita
Miyazaki	476	419	440		388		368	356	365	343	324	353	324	333	299	268	286	303	276	277	280	302	349	7,129	Miyazaki
Kagoshima	545	521	519		434		458	453	390	384	372	347	371	357	356	351	321	382	377	370	385	378	384	8,455	Kagoshima
Okinawa	177	174	177		159		156	137	152	143	145	151	150	171	170	160	124	167	159	153	168	171	203	3,367	Okinawa
total	43,998	43,553	42,068		38,145		36,694	36,670	36,196	34,464	27,995	28,643	28,872	28,291	27,077	27,452	26,391	26,454	26,674	27,842	26,873	25,675	28,605	668,632	total

Fatal and non-fatal accidents mean fatal and non-fatal injuries and occupational diseases with work absence of 4 days and more. Data of 2011 year include fatal and non-fatal 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/2021e\\_industry.html](https://www.jisha.or.jp/english/statistics/2021e_industry.html)

=====

#### Fatal accidents in manufacturing in Japan in 1999-2021

manufacturing industry Code No.01

#### Type of fatal accidents in manufacturing in 1999-2021

Type of accidents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Type of accidents
fall from height	54	41	60	43	41	48	36	46	46	40	32	40	31	38	24	26	26	25	28	29	23	21	25	823	fall from height
falling to same level	10	6	8	4	4	4	7	4	9	5	5	6	8	7	9	5	7	6	2	6	5	6	2	135	falling to same level
crash	1	1	2		4	1	2	5	1	6	1		2		4	2			2			1	2	37	crash
struck by flying or falling object	24	25	25	21	24	29	23	33	19	26	16	14	11	14	20	12	10	14	7	12	8	11	10	408	struck by flying or falling object
collapse	21	22	25	11	17	14	20	20	30	20	5	14	16	18	7	9	17	14	9	20	8	7	2	346	collapse

crashed by	27	25	25	24	14	23	23	20	17	19	10	13	10	6	12	18	13	13	16	15	14	7	11	375	crashed by
caught in/between	104	106	85	103	91	95	69	79	77	83	65	68	55	63	61	64	50	62	51	48	49	45	54	1,627	caught in/between
cut	1		1	2	6	2	2	1			1	1	3	1		1				1	1	1		25	cut
injury to the sole of the foot	1			1	1	1		1	1							1		1						8	injury to the sole of the foot
drown	1	7	6	3	7	6	6	5	5	2	3	3	274	1	1	2	2	5	3	4	1	4	2	353	drown
contact to high/low-temperature	14	5	14	5	9	6	8	3	13	11	2	12		6	12	2	6	3	6	8	5	7	4	161	contact to high/low-temperature
contact to harmful substance	13	14	8	15	11	12	9	12	6	6	14	5	8	8	9	5	6	3	8	12	4	8	6	202	contact to harmful substance
electric shock	8	11	7	3	7	3	4	5	3	5	4	6	6	4	3	3	1	2	3	3	1		2	94	electric shock
explosion	8	7	5	3	17	8	4	3	7	7	8	2	4	6	10	9		1	5	4	3	2	2	125	explosion
burst	2	1	2	1				3		2				3	1		1	3	1					20	burst
fire	3	7	9	3	8	2	2	5	7	2	2		2	5	4	1	5	1	3	4	4	4		83	fire
traffic accident (public road)	50	43	41	30	29	26	28	18	16	16	15	18	12	13	16	12	5	9	10	10	8	6	7	438	traffic accident (public road)
traffic accident (others)		1		1		1	2		1															6	traffic accident (others)
reaction to motion/improper motion															1			1						2	reaction to motion/improper motion
others	2	1	1	2	2	11	8	5	6	9	2	8	79	6	6	8	10	13	6	7	7	6	8	213	others
unclassifiable			2		1	1	3			1	1	1	1		1		1	1						14	unclassifiable
total	344	323	326	275	293	293	256	268	264	260	186	211	522	199	201	180	160	177	160	183	141	136	137	5,495	total

Causal agents (large) of fatal accidents in manufacturing in 1999-2021

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	total	Causal (L) agents
machine	80	84	72	64	69	63	52	65	53	67	44	43	35	46	50	50	36	36	36	31	34	33	34	1,177	machine
crane, conveying machine	133	115	108	108	105	106	91	70	80	72	63	76	63	55	55	66	36	65	52	51	44	37	48	1,699	crane, conveying machine
other equipment	36	36	44	33	32	37	30	39	43	47	27	22	21	26	26	22	23	29	19	30	15	17	11	665	other equipment
temporary buildings, establishments	38	26	41	25	26	28	23	32	30	20	21	30	20	29	16	13	21	15	19	15	12	18	15	533	temporary buildings, establishments
substance, material	31	43	36	29	39	28	29	32	33	25	17	14	21	22	27	13	20	9	21	23	10	5	11	538	substance, material
load	8	9	13	6	11	11	9	13	11	7	2	5	5	6	3	3	4	5	2	5	6	2	5	151	load
environment	11	10	9	7	8	8	10	12	7	12	7	13	346	8	16	5	8	5	5	20	6	16	4	553	environment

others	7		3	3	3	12	12	5	7	10	5	8	11	7	8	8	12	13	6	8	14	8	9	179	others
total	344	323	326	275	293	293	256	268	264	260	186	211	522	199	201	180	160	177	160	183	141	136	137	5,495	total

Causal agents (middle) of fatal accidents in manufacturing in 1999-2021

Causal (M) agents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Causal (M) agents	
engine	2				1																			3	engine	
power transmission mechanism	1	7	2	2	3	3		4	1	4	2	1		1	3	2	1	4		1			1	43	power transmission mechanism	
woodworking machine	8	10	11	4	4	5	6	3	5	4	1	1	6	2	3	3	3		1	6	6	2	2	96	woodworking machine	
construction machine	8	4	5	5	4	7	6	6	7	8	6	4	1	3	5	4	3	2	4	1	5	2	2	102	construction machine	
metal manufacturing machine	15	18	15	17	13	13	8	21	13	12	6	15	6	16	18	13	5	9	5	5	5	9	10	267	metal manufacturing machine	
general machine	46	45	39	36	44	35	32	31	27	39	29	22	22	24	21	28	24	21	26	18	18	20	19	666	general machine	
mobile silviculture machine																										mobile silviculture machine
crane	22	24	27	26	29	22	22	20	25	19	14	19	15	12	11	11	10	25	13	11	16	8	14	415	crane	
conveying machine	81	66	56	58	54	65	39	41	45	44	38	51	39	36	38	45	24	32	32	35	23	26	31	999	conveying machine	
vehicle	30	25	25	24	22	19	30	9	10	9	11	6	9	7	6	10	2	8	7	5	5	3	3	285	vehicle	
pressure vessel	1	2	3	1		1	1	5	2			1		1					2	1				21	pressure vessel	
chemical facilities			4	1						2	5		2	1	2	3	1	2		1		1		25	chemical facilities	
welding equipment	2	3	3	1	4	1	2	1	4	4		1	1	4	1	1	6	4	2	2		1	1	49	welding equipment	
kiln, caldron	4		7	4	3	6	2	2	10	2	3			3	4	2	1	4	3		2	1	1	64	kiln, caldron	
electric equipment	3	6	3	2	2	2	3	3	1	4	3	2	4	2	3						1		2	46	electric equipment	
human power machine, tools	3	3	3	3		3	4	3	2	3				3			1	2		2	2	1	1	39	human power machine, tools	
tools	16	13	16	15	14	15	12	20	16	23	13	9	10	6	8	7	4	10	9	15	3	8	3	265	tools	
other equipments, facilities	7	9	5	6	9	9	6	5	8	9	3	9	4	6	8	9	10	7	3	9	7	5	3	156	other equipments, facilities	
temporary buildings, establishments	38	26	41	25	26	28	23	32	30	20	21	30	20	29	16	13	21	15	19	15	12	18	15	533	temporary buildings, establishments	
hazards, harmful substances	16	25	12	15	27	18	11	16	18	9	11	6	10	11	13	7	5	3	10	12	6	2	6	269	hazards, harmful substances	
materials	15	18	24	14	12	10	18	16	15	16	6	8	11	11	14	6	15	6	11	11	4	3	5	269	materials	
load	8	9	13	6	11	11	9	13	11	7	2	5	5	6	3	3	4	5	2	5	6	2	5	151	load	



natural environment	11	10	9	7	8	8	10	12	7	12	7	13	346	8	16	5	8	5	5	20	6	16	4	553	natural environment
other causal agent	6			1	1	11	3	3		2	3	1	1			1				1	1	4	6	45	other causal agent
no causal agent				2	1		6	1	7	7		7	9	7	6	7	10	13	6	5	8	2	2	106	no causal agent
unclassifiable	1		3		1	1	3	1		1	2		1		2		2			2	5	2	1	28	unclassifiable
total	344	323	326	275	293	293	256	268	264	260	186	211	522	199	201	180	160	177	160	183	141	136	137	5,495	total

Causal agents (small) of fatal accidents in manufacturing in 1999-2021

Causal (S) agents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Causal (S) agents	
engine	2				1																			3	engine	
power transmission mechanism	1	7	2	2	3	3		4	1	4	2	1		1	3	2	1	4		1			1	43	power transmission mechanism	
circular sawing machine	3	4	2	1	2	3	1		1	2	1		1	1			1				1			24	circular sawing machine	
band sawing machine	2		2		2		1	2	1			1	2			3				1	1			18	band sawing machine	
wood planer machine			1				1														1			3	wood planer machine	
hollow chisel mortiser, wood borer									1															1	hollow chisel mortiser, wood borer	
chamfering machine, router, woodworking milling machine	1	1	1						1				1											5	chamfering machine, router, woodworking milling machine	
chain saw		1																						1	chain saw	
other woodworking machines	2	4	5	3		2	3	1	1	2			2	1	3		2		1	5	3	2	2	44	other woodworking machines	
leveling, transporting or loading machine	4	2	2	3	1	3	4	2	4	5	4	1		1	2	3		1	1		4	2	1	50	leveling, transporting or loading machine	
excavating machine	2		1			2	1	1			1	1	1		3		2	1						16	excavating machine	
foundation work machine					1		1										1							3	foundation work machine	
hardening machine																										hardening machine





gas welding equipment			1						1	2				3	1		3	1	1			1	1	15	gas welding equipment
arc welding equipment	2	3	2	1	3	1	2	1	3	2		1			1	2	3	1	2					30	arc welding equipment
other welding equipment					1								1	1			1							4	other welding equipment
kiln, caldron	3		5	3	1	4		2	10		3			2	4	2	1	3	3		1	1	1	49	kiln, caldron
industrial dryer	1		1		2	1	2			2				1				1			1			12	industrial dryer
other kiln, caldron			1	1		1																		3	other kiln, caldron
transmission	1	3				2	1	1			1	1	1	1	1						1		1	15	transmission
electric power facilities	1	1	3	1	2		1	2	1	3	1		1		2								1	20	electric power facilities
other electrical equipment	1	2		1			1			1	1	1	2	1										11	other electrical equipment
human power cranes	2	1	1			1		1		1								1						8	human power cranes
human power hauling equipment	1		2	2		2	2	1	2	1				1			1	1		2	2	1		21	human power hauling equipment
human power machine				1						1				1									1	4	human power machine
hand tool		2					2	1						1										6	hand tool
ladder	4	3	9	5	5	4	4	7	9	9	4	5	3	2		1		3	5	5		3	2	92	ladder
slinging tool	7	8	7	8	7	6	8	11	7	10	6	2	6	3	8	5	4	7	3	8	2	5	1	139	slinging tool
other tools	5	2		2	2	5		2		4	3	2	1	1		1			1	2	1			34	other tools
other equipment, facilities	7	9	5	6	9	9	6	5	8	9	3	9	4	6	8	9	10	7	3	9	7	5	3	156	other equipment, facilities
scaffolding	2	4	2	4		2	4			1	1	3	2		4			1		2		1		33	scaffolding
timbering																									timbering
stairs, landing stage	2	2	4	2		2		6	5	2	4	3	1	3	2	1	2		3	3	2	1	1	51	stairs, landing stage
opening	1	1	2	1	2	3	4	1		2	2	2	1	4			5	2	1	1	2	1	2	40	opening
roof, beam, haze, crossbeam, principal rafter	8	3	6	4	6	7	2	1	3	4	3	2	4	5	1	2	2	5	6	1	2	3	3	83	roof, beam, haze, crossbeam, principal rafter
working platform, boot board	5	4	6	3	1	4	1	6	4		5	5	1	4	2	4	4		2	3		1	2	67	working platform, boot board
passage	1		2	1	1	1	3	1	4			4	4	1	2	1	1	1		1	1	3	2	35	passage
building, establishment	14	10	17	9	13	8	6	15	12	11	5	8	4	10	4	5	7	3	5	4	4	6	4	184	building, establishment

other temporary buildings, establishments	5	2	2	1	3	1	3	2	2		1	3	3	2	1			3	2		1	2	1	40	other temporary buildings, establishments
explosive substance	2	2		1	10	1	4	1		1	3			1					1	2				29	explosive substance
inflammable substance	3	7	4	3	7	6	1	6	5	1	1	2	3	2	6	2			2	2				63	inflammable substance
inflammable gas		1	3	1	1	1			5	1			1	2	2	1		1					1	21	inflammable gas
harmful substance	8	9	4	9	7	9	6	7	4	3	7	4	3	5	5	3	5	2	5	6	4		5	120	harmful substance
radiation	1																							1	radiation
other hazards, harmful substances	2	6	1	1	2	1		2	4	3			3	1		1			2	2	2	2		35	other hazards, harmful substances
metal material	10	12	16	11	8	5	10	12	13	15	4	8	7	8	12	4	11	3	9	9	4	3	4	198	metal material
lumber, bamboo	2	3	3	1	1	1	2	3	1		1		1				1		1	1				22	lumber, bamboo
stone, sand, substance	2	2	3		1		3						3	1		2	1	1		1			1	21	stone, sand, substance
other materials	1	1	2	2	2	4	3	1	1	1	1			2	2		2	2	1					28	other materials
load	7	8	11	6	10	8	5	11	10	5		4	4	5	2	2	3	5	2	5	4	2	4	123	load
machine/equipment as load	1	1	2		1	3	4	2	1	2	2	1	1	1	1	1	1				2		1	28	machine/equipment as load
natural ground, rock	2	1		1			1	1		1		1	1						4	1				14	natural ground, rock
standing tree	1	1					1			1					1	2	1		1	2	1	1	1	14	standing tree
water	1	3	2	1	2	4	1	3	3	2	1	1	340	1			1	1		2		3		372	water
abnormal environment	1	2	4	3	1	1	2	3	2	3	4		1	2	4	1	1	1	2	5		6	1	50	abnormal environment
high/cold temperature environment	5	1	3	1	4	3	4	1	2	5	1	11	1	4	11	1	4		1	5	4	6	2	80	high/cold temperature environment
other environments	1	2		1	1		1	4			1		3	1		1	1	3	1	2				23	other environments
other causal agent	6			1	1	11	3	3		2	3	1	1			1				1	1	4	6	45	other causal agent
no causal agent				2	1		6	1	7	7		7	9	7	6	7	10	13	6	5	8	2	2	106	no causal agent
unclassifiable	1		3		1	1	3	1		1	2		1		2		2			2	5	2	1	28	unclassifiable
total	344	323	326	275	293	293	256	268	264	260	186	211	522	199	201	180	160	177	160	183	141	136	137	5,495	total

Workers age of fatal accidents in manufacturing in 1999-2021

Age	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Age
19 years old or less	6	6	10	8	3	4	7	2	2	3	4	5	5	2	3	5	3	1	4	1	2	1	1	88	19 years old or less
20-29	52	40	54	38	34	33	36	38	32	33	20	29	50	22	21	30	15	17	16	23	16	14	11	674	20-29
30-39	43	48	40	39	43	51	39	48	43	43	29	46	82	38	45	28	27	32	21	25	21	17	13	861	30-39
40-49	68	61	61	47	35	48	51	40	39	33	36	47	95	44	39	32	37	41	35	45	32	23	33	1,022	40-49
50-59	108	103	103	94	117	104	74	89	82	76	52	47	157	54	44	40	40	41	46	50	25	43	34	1,623	50-59
60 years old or more	67	65	58	49	61	53	49	51	66	72	45	37	133	39	49	45	38	45	38	39	45	38	45	1,227	60 years old or more
total	344	323	326	275	293	293	256	268	264	260	186	211	522	199	201	180	160	177	160	183	141	136	137	5,495	total

Workers' number of workplace of fatal accidents in manufacturing in 1999-2021

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	total	Workers scale
9 workers or less	82	74	67	62	72	79	44	56	56	62	37	51	163	42	46	32	39	38	28	44	25	32	34	1,265	9 workers or less
10-29	95	94	102	70	82	87	87	75	77	59	50	48	131	52	49	56	50	42	51	56	40	30	33	1,516	10-29
30-49	45	48	57	38	42	28	34	42	38	40	29	32	97	28	29	25	22	30	25	17	15	17	15	793	30-49
50-99	37	40	39	33	39	27	32	39	32	26	18	22	55	25	20	23	15	22	20	17	24	15	21	641	50-99
100-299	41	28	35	36	34	45	25	32	27	37	33	35	50	25	34	32	20	33	25	28	22	25	19	721	100-299
300 workers or more	44	39	26	36	24	27	34	24	34	36	19	23	26	27	23	12	14	12	11	21	15	17	15	559	300 workers or more
total	344	323	326	275	293	293	256	268	264	260	186	211	522	199	201	180	160	177	160	183	141	136	137	5,495	total

Month of fatal accidents in manufacturing in 1999-2021

Month	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Month
January	24	24	42	30	28	20	23	24	30	28	21	23	11	25	12	16	15	14	15	14	16	11	8	474	January
February	31	30	23	13	23	18	17	30	26	20	19	9	15	16	12	24	13	21	22	16	6	5	17	426	February
March	36	34	26	26	22	30	29	23	32	25	12	19	361	18	18	15	13	21	14	10	18	8	10	820	March

April	21	22	24	21	28	31	26	23	11	25	15	12	18	12	13	16	9	22	13	12	7	13	6	400	April
May	24	19	26	22	17	22	21	22	20	20	17	18	21	16	11	15	20	11	16	8	13	10	14	403	May
June	28	29	22	32	20	24	25	15	16	20	15	17	16	11	23	9	6	13	6	15	15	11	14	402	June
July	31	39	27	25	29	22	18	24	19	24	15	15	13	17	30	14	20	11	14	21	9	17	15	469	July
August	39	34	35	11	22	31	25	25	27	23	10	24	15	25	17	17	16	12	17	17	8	10	15	475	August
September	39	31	24	19	23	22	21	20	25	16	16	14	17	14	17	10	17	15	8	11	20	11	13	423	September
October	21	21	30	23	28	29	15	19	23	22	11	15	8	8	18	14	15	11	11	27	10	17	3	399	October
November	25	22	25	29	26	22	20	24	15	13	16	25	14	21	16	9	9	15	12	15	7	8	11	399	November
December	25	18	22	24	27	22	16	19	20	24	19	20	13	16	14	21	7	11	12	17	12	15	11	405	December
total	344	323	326	275	293	293	256	268	264	260	186	211	522	199	201	180	160	177	160	183	141	136	137	5,495	total

Prefecture of fatal accidents in manufacturing in 1999-2021

Prefecture	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Prefecture
Hokkaido	10	13	20	16	15	14	16	10	8	9	3	5	4	8	6	4	7	7	8	11	10	6	3	213	Hokkaido
Aomori	1		4			3	1		5	4	2	2	1	1		2	1	2	1	4	2		3	39	Aomori
Iwate	5	1	2	2	1	7	3	7	2	1	1	3	70	4	1	2	2	3	3	2		2	2	126	Iwate
Miyagi	4	6	8	5	4	7	4	6	1	5	3		249	3	3	1	3	4	1	4	1	5	1	328	Miyagi
Akita	4	2	4	2		1	2	1	2	3	2	1	3	1	3		2	2	2	1		1	2	41	Akita
Yamagata	6	2	4	4		4	1	1	2	6	2	3	2		3	2	2	2	1	2		1	2	52	Yamagata
Fukushima	8	4	5	5	8	6	6	2	8	7	1	5	28	2	1	6	1	2	2	2	5	2	3	119	Fukushima
Ibaraki	17	10	13	8	6	6	11	2	10	10	7	6	2	7	7	9	2	4	2	3	11	2	3	158	Ibaraki
Tochigi	5	6	9	6	6	5	5	7	1	7	7	5	2	3	1	5	3	1	3	2	4	2	2	97	Tochigi
Gunma	6	12	14	6	2	4	3	7	6	4	5	4	1	2	7	5	3	3	7	3	1	2	5	112	Gunma
Saitama	12	14	13	14	13	12	12	6	10	5	6	10	6	15	10	7	6	9	3	8	4	4	5	204	Saitama
Chiba	12	13	13	18	11	15	11	9	15	13	6	10	8	7	9	11	11	7	8	10	3	8	3	231	Chiba
Tokyo	11	8	8	9	3	7	6	4	3	5	3	6	5	9	4	5	4	5		3	7	1	5	121	Tokyo
Kanagawa	12	14	12	9	16	5	11	8	16	6	6	8	8	13	5	8	4	3	6	6	2	5	8	191	Kanagawa





Nagasaki	2	3	4	6	1	1	5	6	2	2	4	4	5	3	2	4	2	1	2	2	2	5		68	Nagasaki
Kumamoto	2	5	6	2	1	3	2	4	4	5	4	5	2	2	2		5	4	1	3	3	1		66	Kumamoto
Oita	8	4		3	3	3	5	5	3	4	9	2	3	4	2	5	2	3	3	1	2	1	2	77	Oita
Miyazaki	4	2	6	2	4	2	3	1	2	1	2	4	1	1		2	1	2	2	1		1	1	45	Miyazaki
Kagoshima	3	2	2	3	9	4	2	2	6	3	1	1	3	3	1	4	2	2	1	1	2	2	2	61	Kagoshima
Okinawa	3	2	1	1	1		1	1	3	1			1	2	1	1			1		1		2	23	Okinawa
total	344	323	326	275	293	293	256	268	264	260	186	211	522	199	201	180	160	177	160	183	141	136	137	5,495	total

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

Return to [https://www.jisha.or.jp/english/statistics/2021e\\_industry.html](https://www.jisha.or.jp/english/statistics/2021e_industry.html)