

Human Losses by Natural Disasters by Income Groups (1965-1992)

Types of Disaster	Period	Number of Events			Victims (in thousand persons)			Sufferers (millions)									
		High	Middle	Low	High	Middle	Low	High	Middle	Low							
Typhoon & storm	1965-1992	684	491	363	55	1,593	13.7	42.3	723.2	3.1	782.4	2.4	47.8	199.0	0.1	249.3	
	1965-1969	79	39	28	10	156	4.8	4.6	64.7	0.5	74.6	0.1	1.3	13.1	0.0	14.5	
	1970-1974	72	64	30	2	168	1.9	11.3	323.5	0.1	336.8	0.1	6.2	16.4	0.0	22.6	
	1975-1979	85	69	50	3	207	1.6	4.3	19.5	1.5	26.9	0.4	6.2	13.5	0.0	20.1	
	1980-1984	138	133	77	11	359	3.3	9.3	13.9	0.2	26.8	0.8	10.4	36.1	0.0	47.2	
	1985-1989	158	124	112	17	411	1.4	5.1	31.3	0.6	38.4	0.1	5.8	76.9	0.1	82.8	
	1990-1992	152	62	66	12	292	0.6	7.8	270.3	0.2	278.9	1.1	17.9	43.1	0.0	62.0	
	Flood	1965-1992	337	509	524	5	1,375	4.4	35.1	267.7	0.3	307.6	5.8	59.4	1,009.8	0.2	1,075.3
		1965-1969	15	60	37	1	113	1.1	5.2	8.3	0.1	14.7	3.1	4.1	28.9	0.2	36.3
		1970-1974	54	51	51	0	156	1.4	4.4	33.9	0.0	39.8	1.3	11.9	65.5	0.0	78.7
1975-1979		61	67	65	0	193	0.5	2.3	11.4	0.0	14.2	0.1	12.0	125.1	0.0	137.1	
1980-1984		83	112	107	1	303	1.1	6.5	17.9	0.0	25.4	1.3	15.5	154.6	0.0	171.4	
1985-1989		88	145	161	1	395	0.2	8.3	30.1	0.1	38.7	0.0	12.2	283.3	0.0	295.5	
1990-1992		36	74	103	2	215	0.1	8.4	166.2	0.1	174.8	0.0	3.7	352.5	0.0	356.2	
Earthquake		1965-1992	117	387	184	6	694	4.6	271.5	309.6	0.1	585.9	0.6	20.3	24.1	0.0	45.1
		1965-1969	8	36	16	1	61	0.3	14.5	3.9	0.0	18.7	0.1	1.2	0.1	0.0	1.4
		1970-1974	5	22	7	0	34	1.0	76.1	44.8	0.0	121.1	0.0	7.2	0.4	0.0	7.7
	1975-1979	20	67	26	0	113	1.0	64.2	244.3	0.0	309.6	0.1	5.8	0.5	0.0	6.5	
	1980-1984	53	126	65	3	247	3.0	8.0	6.8	0.1	17.9	0.4	0.7	0.8	0.0	2.0	
	1985-1989	15	72	31	1	119	0.1	63.9	3.3	0.0	67.4	0.0	3.1	21.6	0.0	24.7	
	1990-1992	16	64	39	1	120	0.1	44.7	6.5	0.0	51.2	0.0	2.3	0.7	0.0	3.0	
	Drought	1965-1992	41	140	310	3	494	0.6	5.7	1,844.8	0.0	1,851.1	0.0	86.5	1,492.2	0.0	1,578.6
		1965-1969	5	12	30	0	47	0.6	0.0	10.0	0.0	10.6	0.0	5.6	104.6	0.0	110.1
		1970-1974	5	16	49	3	73	0.0	0.0	1,269.0	0.0	1,269.0	0.0	12.6	219.0	0.0	231.5
1975-1979		12	16	45	0	73	0.0	0.0	0.3	0.0	0.3	0.0	8.7	220.2	0.0	229.0	
1980-1984		10	51	105	0	166	0.0	0.5	458.5	0.0	459.0	0.0	28.3	520.4	0.0	548.7	
1985-1989		3	23	48	0	74	0.0	0.0	106.9	0.0	107.0	0.0	13.5	348.0	0.0	361.5	
1990-1992		6	22	33	0	61	0.0	5.2	0.0	0.0	5.2	0.0	17.8	80.0	0.0	97.8	
Other Natural Disasters		1965-1992	126	223	143	5	497	5.3	56.9	20.4	0.6	83.2	0.1	8.9	50.2	0.0	59.2
		1965-1969	11	17	6	0	34	0.6	2.2	2.3	0.0	5.1	0.0	4.1	0.3	0.0	4.4
		1970-1974	20	18	11	0	49	1.1	22.7	3.3	0.0	27.1	0.0	0.0	0.0	0.0	0.0
	1975-1979	16	25	19	1	61	0.1	0.4	1.9	0.0	2.4	0.0	0.2	0.1	0.0	0.4	
	1980-1984	28	34	29	1	92	2.6	1.2	2.9	0.1	6.7	0.0	0.1	0.4	0.0	0.6	
	1985-1989	36	80	50	2	168	0.8	27.9	7.4	0.5	36.5	0.0	3.7	49.1	0.0	52.7	
	1990-1992	15	49	28	1	93	0.1	2.6	2.6	0.0	5.3	0.1	0.7	0.3	0.0	1.1	
	Total	1965-1992	1,341	1,714	1,524	74	4,653	32.6	407.8	3,165.7	4.0	3,610.1	15.8	216.1	2,775.3	0.3	3,007.5
		1965-1969	125	157	117	12	411	8.4	25.6	89.2	0.6	123.7	8.8	10.8	146.9	0.2	166.7
		1970-1974	156	171	148	5	480	5.5	113.6	1,674.5	0.1	1,793.7	2.2	37.1	301.3	0.0	340.5
1975-1979		201	237	205	4	647	3.8	70.7	277.4	1.5	353.5	0.7	32.8	359.5	0.0	393.0	
1980-1984		317	451	383	16	1,167	10.0	25.5	500.0	0.4	535.9	2.5	55.1	712.3	0.0	769.9	
1985-1989		312	432	402	21	1,167	3.7	104.1	179.0	1.1	288.0	0.3	38.0	778.9	0.1	817.2	
1990-1992		230	266	269	16	781	1.3	68.3	445.5	0.3	515.4	1.4	42.3	476.5	0.0	520.2	

Human Losses caused by Natural Disasters by Regions (1965-1992)

Types of Disaster	Period	Number of Events					Victims (in thousand persons)					Sufferers (millions)				
		AFRICA	AMERICA	ASIA	EUROPE	OCEANIA	AFRICA	AMERICA	ASIA	EUROPE	OCEANIA	AFRICA	AMERICA	ASIA	EUROPE	OCEANIA
Typhoon & storm	1965-1992	76	439	654	213	210	1.97	28.18	748.57	2.66	0.98	7.98	8.15	230.52	0.88	1.73
	1965-1969	6	60	62	13	15	0.11	7.50	66.69	0.18	0.12	0.13	0.62	13.65	0.00	0.11
	1970-1974	3	29	84	15	37	0.16	9.17	326.97	0.24	0.21	2.54	0.92	18.99	0.01	0.17
	1975-1979	16	51	21.92	15	31	0.32	4.45	21.92	0.17	0.09	2.40	1.83	15.80	0.00	0.07
	1980-1984	24	78	148	56	53	0.88	4.11	20.91	0.83	0.07	2.42	1.53	42.11	0.57	0.58
	1985-1989	22	143	156	46	44	0.44	2.39	34.27	0.84	0.43	0.37	3.19	78.67	0.00	0.54
1990-1992	5	78	110	68	30	0.05	0.56	277.80	0.41	0.07	0.13	0.05	61.30	0.30	0.26	
Flood	1965-1992	156	360	605	115	139	5.84	15.84	278.98	6.64	0.28	12.25	34.48	1,024.39	3.81	0.36
	1965-1969	18	34	50	8	3	0.85	2.78	10.31	0.75	0.00	0.86	1.52	33.69	0.23	0.00
	1970-1974	15	44	64	7	26	0.78	2.40	35.44	1.09	0.06	2.90	6.53	67.74	1.54	0.01
	1975-1979	29	44	78	17	25	0.62	1.36	12.00	0.23	0.01	1.51	3.28	131.27	1.08	0.01
	1980-1984	25	73	136	38	31	0.76	4.38	19.82	0.38	0.10	1.38	12.46	156.70	0.81	0.02
	1985-1989	53	106	166	25	45	1.26	4.21	32.33	0.83	0.09	4.75	9.91	280.61	0.02	0.22
1990-1992	16	59	111	20	9	1.57	0.72	169.09	3.37	0.02	0.86	0.78	354.38	0.12	0.10	
Earthquake	1965-1992	44	135	244	188	83	3.78	119.23	387.93	74.20	0.73	0.57	13.60	26.17	4.69	0.03
	1965-1969	8	12	18	21	2	0.17	1.13	14.37	3.07	0.00	0.05	0.30	0.20	0.81	0.00
	1970-1974	0	16	12	4	2	0.00	78.89	40.13	2.04	0.02	0.00	7.44	0.06	0.14	0.00
	1975-1979	1	24	43	32	13	0.00	23.74	272.59	13.03	0.24	0.00	3.77	1.26	1.41	0.01
	1980-1984	14	32	91	66	44	2.93	0.87	9.32	4.30	0.46	0.50	0.09	0.81	0.58	0.00
	1985-1989	13	27	34	33	12	0.08	13.17	3.42	50.67	0.01	0.01	1.82	21.61	1.21	0.02
1990-1992	8	24	46	32	10	0.60	1.43	48.11	1.09	0.00	0.01	0.18	2.23	0.54	0.00	
Drought	1965-1992	310	57	94	17	16	1,838.41	0.07	12.04	0.00	0.60	244.36	48.83	1,280.59	4.80	0.07
	1965-1969	25	8	12	0	2	2.00	0.00	8.00	0.00	0.60	4.12	1.05	104.96	0.00	0.00
	1970-1974	48	5	18	0	2	1,269.00	0.00	0.00	0.00	0.00	12.83	10.84	207.86	0.00	0.00
	1975-1979	38	7	19	2	7	0.00	0.00	0.28	0.00	0.00	13.76	5.45	209.77	0.00	0.00
	1980-1984	116	18	21	7	4	458.52	0.02	0.51	0.00	0.00	95.27	23.88	429.50	0.00	0.07
	1985-1989	47	13	14	0	0	106.45	0.05	0.49	0.00	0.00	49.72	3.02	308.74	0.00	0.00
1990-1992	36	6	10	8	1	2.44	0.00	2.76	0.00	0.00	68.67	4.58	19.77	4.80	0.00	
Other Natural Disasters	1965-1992	21	154	196	110	16	2.83	56.51	19.45	3.92	0.51	0.05	8.25	50.85	0.03	0.03
	1965-1969	2	15	13	4	0	0.31	1.93	2.61	0.27	0.00	0.00	4.01	0.39	0.00	0.00
	1970-1974	0	23	11	11	4	0.00	25.82	0.77	0.30	0.20	0.00	0.02	0.00	0.01	0.01
	1975-1979	5	14	28	10	4	0.13	0.23	1.90	0.17	0.01	0.03	0.19	0.14	0.00	0.00
	1980-1984	3	29	36	23	1	0.08	3.30	3.20	0.16	0.00	0.01	0.04	0.49	0.01	0.03
	1985-1989	6	51	65	42	4	1.83	24.26	8.01	2.34	0.09	0.00	3.63	49.10	0.01	0.00
1990-1992	5	22	43	20	3	0.49	0.96	2.95	0.69	0.20	0.00	0.37	0.73	0.01	0.00	
Total	1965-1992	607	1,145	1,793	643	464	1852.83	219.83	1,446.97	87.43	3.09	265.20	113.32	2,612.52	14.21	2.22
	1965-1969	59	129	155	46	22	3.43	13.35	101.97	4.27	0.72	5.16	7.50	152.88	1.04	0.11
	1970-1974	66	117	189	37	71	1,269.94	116.28	403.30	3.67	0.49	18.26	25.75	294.64	1.69	0.19
	1975-1979	89	140	262	76	80	1.07	29.78	308.69	13.59	0.34	17.69	14.51	358.24	2.49	0.09
	1980-1984	182	230	432	190	133	463.17	12.68	53.77	5.68	0.62	99.57	38.01	629.62	1.97	0.70
	1985-1989	141	340	435	146	105	110.07	44.08	78.52	54.68	0.62	54.85	21.58	738.73	1.25	0.78
1990-1992	70	189	320	148	53	5.16	3.66	500.72	5.55	0.29	69.67	5.97	438.41	5.77	0.35	