

Department of National Defense
OFFICE OF CIVIL DEFENSE
National Disaster Risk Reduction and Management Council
Camp Gen. Emilio Aguinaldo, Quezon City

2019 to 2021 Earthquake Events in the Philippines

YEAR/ DISASTER EVENT	CASUALTIES			AFFECTED POPULATION		DAMAGED HOUSES		COST OF DAMAGE (₱)			
	DEAD	INJURED	MISSING	FAMILIES	PERSONS	TOTALLY	PARTIALLY	INFRASTRUCTURE	PRIVATE	OTHERS	TOTAL
Grand Total	67	1,307	14	202,637	954,925	22,507	78,182	627,567,536.50	307,849,956.40	325,000.00	935,742,492.90
2019	66	1,237	14	200,860	947,784	22,357	75,870	586,721,536.50	307,849,956.40	-	894,571,492.90
Medium- to Large-Scale	66	1,237	14	200,860	947,784	22,357	75,870	586,721,536.50	307,849,956.40	-	894,571,492.90
Magnitude 6.1 Earthquake in Castillejos, Zambales (22 April 2019)	19	264	2	5,122	25,860	1,005	2,230	539,000,000.00	-	-	539,000,000.00
Magnitude 6.5 Earthquake in San Julian, Eastern Samar (23 April 2019)	-	41	-	252	1,008	1	244	-	-	-	-
Magnitude 5.6 Earthquake in Makilala, North Cotabato (9 July 2019)	1	3	-	182	910	-	-	-	-	-	-
Magnitude 5.5 Earthquake in Carrascal, Surigao del Sur (13 - 22 July 2019)	-	46	-	2,215	10,473	53	2,162	47,721,536.50	-	-	47,721,536.50
Magnitude 5.9 Earthquake in Itbayat, Batanes (27 July 2019)	9	47	-	1,025	2,982	247	42	-	307,849,956.40	-	307,849,956.40
Magnitude 6.3, 6.6, and 6.5 Earthquakes in Tulunan, North Cotabato (16, 29, and 31 October 2019)	24	563	11	103,856	504,432	12,206	31,441	-	-	-	-
Magnitude 5.9 Earthquake in Kadingilan, Bukidnon (18 November 2019)	-	12	-	1,114	5,039	459	416	-	-	-	-
Magnitude 6.9 Earthquake in Matanao, Davao del Sur (15 December 2019)	13	261	1	87,094	397,080	8,386	39,335	-	-	-	-
2020	1	50	0	1,637	6,624	139	1,176	32,941,000.00	-	325,000.00	33,266,000.00
Medium- to Large-Scale	1	50	-	1,524	6,474	138	1,167	27,460,000.00	-	-	27,460,000.00
Magnitude 6.6 Earthquake in Cataingan, Masbate (August 18, 2020)	1	50	-	1,524	6,474	138	1,167	27,460,000.00	-	-	27,460,000.00
Small-Scale	0	0	0	113	150	1	9	5,481,000.00	-	325,000.00	5,806,000.00
Magnitude 6.4 Earthquake in San Agustin, Surigao del Sur (16 November 2020)	-	-	-	113	150	-	-	5,481,000.00	-	-	5,481,000.00
Magnitude 6.1 Earthquake in Alabel, Sarangani (16 December 2020)	-	-	-	-	-	1	-	-	-	-	-
Magnitude 6.3 Earthquake in Calatagan, Batangas (25 December 2020)	-	-	-	-	-	-	9	-	-	325,000.00	325,000.00
2021	0	20	0	140	517	11	1,136	7,905,000.00	-	-	7,905,000.00
Medium- to Large-Scale	-	2	-	50	183	3	61	7,060,000.00	-	-	7,060,000.00
Magnitude Mw 6.6 Earthquake in Calatagan, Batangas (24 July 2021)	-	2	-	50	183	3	61	7,060,000.00	-	-	7,060,000.00
Small-Scale	0	18	0	90	334	8	1,075	845,000.00	-	-	845,000.00
Magnitude 6.1 Earthquake in Magsaysay, Davao del Sur (7 February 2021)	-	16	-	-	-	5	35	-	-	-	-
Magnitude 5.9 Earthquake occurred in Kadingilan, Bukidnon (14 June 2021)	-	2	-	-	-	3	1,005	800,000.00	-	-	800,000.00
Magnitude 5.7 Earthquake in Looc, Occidental Mindoro (27 September 2021)	-	-	-	5	16	-	5	45,000.00	-	-	45,000.00
Magnitude 4.0 Earthquake in T'boli, South Cotabato (29 September 2021)	-	-	-	69	243	-	13	-	-	-	-
Magnitude 5.3 Earthquake in Sablayan, Occidental Mindoro (3 October 2021)	-	-	-	16	75	-	17	-	-	-	-

NOTE: 2020 and 2021 data are still subject to change as reports are yet to be finalized.

Small-scale : Disasters that have impacts limited to relatively small local areas. (NDRRMOC SOPG 2021, Definition of Terms)

Medium-scale : Emergencies that are smaller than national geographic scales. These are defined by a threshold of impacts causing emergency reaction from authorities from multiple administrative regional authorities - such as multiple villages, districts, or provinces. (Ibid)

Large-scale : Disasters that require emergency response at a national or higher scale. Their impacts often cross administrative boundaries including international borders. These disasters have extensive and long-term effects on sustainable development. (Ibid)

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