
UNOSAT

Myanmar – Earthquake of the 13 April 2016, M_w 6.9

Analysis of population exposure

13 April 2016

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Overview



An earthquake of 6.9 Magnitude struck Myanmar the 13 April 2016 13:55 UTC (20:25 local time) with an epicentre located in the Sagaing region in the central part of Myanmar.

Population exposure estimates are based on Earthquake's related Moderate and Moderate to Strong shake areas deduced from USGS peak acceleration data.



57.590.000

Total population of Myanmar



5.152.347

Total population living in Moderate Shake Zones



671.481

Total population living in Moderate to Strong Shake Zones

Region / District / Township	Moderate Shake (WorldPop)	Moderate to Strong Shake (WorldPop)	Total Population (WorldPop)
Sagaing	3,645,096	671,481	4,316,577
Hkamti	3,444		3,444
<i>Homalin</i>	3,444		3,444
Kale	604,255		604,255
<i>Kale</i>	414,865		414,865
<i>Kalewa</i>	67,800		67,800
<i>Mingin</i>	121,589		121,589
Katha	366,290	139	366,429
<i>Banmauk</i>	1,984		1,984
<i>Katha</i>	17,672		17,672
<i>Kawlin</i>	166,594	139	166,733
<i>Pinlebu</i>	116,382		116,382
<i>Wuntho</i>	63,659		63,659
Mawlaik	173,587		173,587
<i>Mawlaik</i>	60,905		60,905
<i>Paungbyin</i>	112,682		112,682
Monywa	852,765	8,776	861,541
<i>Ayadaw</i>	187,043		187,043
<i>Budalin</i>	140,010	8,776	148,787
<i>Chaung-U</i>	74,191		74,191
<i>Monywa</i>	451,520		451,520
Sagaing	239,989		239,989
<i>Myaung</i>	55,787		55,787
<i>Myinmu</i>	58,889		58,889
<i>Sagaing</i>	125,313		125,313
Shwebo	819,963	662,566	1,482,529
<i>Kanbalu</i>	163,359	131,147	294,505

<i>Khin-U</i>	136,253	38,976	175,229
<i>Kyunhla</i>	46,977	61,983	108,960
<i>Shwebo</i>	279,703	3,182	282,885
<i>Tabayin</i>	0	94,380	94,380
<i>Taze</i>	4,380	193,933	198,313
<i>Wetlet</i>	185,698		185,698
<i>Ye-U</i>	3,592	138,966	142,558
Tamu	52,785		52,785
<i>Tamu</i>	52,785		52,785
Yinmabin	532,019		532,019
<i>Kani</i>	154,899		154,899
<i>Pale</i>	133,060		133,060
<i>Salingyi</i>	74,196		74,196
<i>Yinmabin</i>	169,864		169,864
Mandalay	1,195,071		1,195,071
Mandalay	658,512		658,512
<i>Aungmyaythazan</i>	167,713		167,713
<i>Chanayethazan</i>	104,050		104,050
<i>Chanmyathazi</i>	175,583		175,583
<i>Mahaaungmyay</i>	112,823		112,823
<i>Patheingyi</i>	80,432		80,432
<i>Pyigyitagon</i>	17,910		17,910
Myingyan	60,765		60,765
<i>Myingyan</i>	18,712		18,712
<i>Ngazun</i>	42,053		42,053
Pyinoolwin	475,794		475,794
<i>Madaya</i>	232,167		232,167
<i>Singu</i>	132,972		132,972
<i>Thabeikkyin</i>	110,655		110,655
Magway	275,977		275,977
Gangaw	109,660		109,660
<i>Gangaw</i>	109,660		109,660
Pakokku	166,317		166,317
<i>Myaing</i>	77,000		77,000
<i>Yesagyo</i>	89,317		89,317
Chin	27,386		27,386
Falam	20,011		20,011
<i>Falam</i>	8,332		8,332
<i>Tedim</i>	8,860		8,860
<i>Tonzang</i>	2,819		2,819
Hakha	7,375		7,375
<i>Hakha</i>	7,375		7,375
Shan (North)	8,817		8,817
Kyaukme	8,817		8,817
<i>Mabein</i>	2,259		2,259
<i>Mongmit</i>	6,558		6,558
Total	5,152,347	671,481	5,823,828

Population exposure, summarized at Region, District and Township level, has been calculated using 100 m resolution WorldPop dataset. This is a preliminary analysis & has not yet been validated in the field.

