

## Turkey and Syria earthquake

**1** VOA News announced on February 15<sup>th</sup> that the combined death toll in Turkey and Syria from the devastating earthquake has now risen above 41,000, while rescue operations are still underway to pull survivors from beneath the rubble.

**2** On February 6<sup>th</sup>, a magnitude 7.8 earthquake, with its epicenter in Gaziantep province of southern Turkey, struck northern Syria as well. It shook residents from their beds at 4:17 am local time. It was in the early hours of the morning when people were still sleeping. The quake was ( あ ) big that it sent tremors as far away as to Lebanon and Israel.

**3** A series of aftershocks have reverberated throughout the day. The largest aftershock, which measured 7.5 in magnitude, hit Turkey about nine hours after the initial quake.

[4] Among 105 countries and 16 international organizations that have dispatched rescue teams to Turkey, the swift responses of Ukraine and Russia stood out. Partly because of ①Turkey's geopolitical status, since the outbreak of the Russia-Ukraine war, Turkish President Erdogan has been the only national leader that can meet both Ukrainian President Zelenskyy and Russian President Putin. In other words, Turkey has acted as a mediator between Russia and Ukraine.

5] Meanwhile, some media has stated that humanitarian aid to Syria is being delayed due to the late reaction of the authorities and the destroyed infrastructure. It has been almost 12 years since the civil war started in Syria, and the earthquake-affected areas of Syria had relied on humanitarian aid even before the earthquake.

death toll 死者数    devastating 破壊的な    underway 進行中の    beneath～:～の真下に    rubble 瓦礫  
epicenter 震源地    province 地方    tremor 微震    a series of～:一連の～    aftershock 余震  
reverberate 広まる・鳴り響く    measure(自動詞):(数値が)～である    initial 最初の    dispatch 派遣する  
stand out 目立つ    geopolitical 地政学的な    status 位置    mediator 仲介者・橋渡し役    humanitarian 人道  
的な    aid 援助    civil war 内戦    ★このニュースで学んだ言葉(    )

Q1 How many people have died in the devastating earthquake in Turkey and Syria so far?

Q2 When and what time did the earthquake happen?

Q3 空欄(あ)に入る語を選び、この文を日本語に直しましょう。 a) very b) quite c) too d) so e) enough

Q4 How big was the largest aftershock? When did it occur?

Q5 Please describe ①Turkey's geopolitical status. \*Use two words: "Russia" and "Ukraine".

Q6 世界は、トルコのエルドアン大統領に何を期待してきましたか。4段落の内容を参考に答えましょう。

**Q7** Why is humanitarian aid to Syria being delayed ?

Q8 When did the civil war start in Syria?

Q9 Because of the civil war, what was the situation in Syria even before the earthquake?

6 Millions of people who survived the quake need ②humanitarian aid, with many survivors left homeless in freezing-cold winter temperatures.

7 Why was the earthquake so deadly? There are several reasons. First, this earthquake occurred along the 100km-long East Anatolian fault, which caused serious damage to buildings around it. Faults can generate huge earthquakes. Seismologists says Turkey is a tectonically active area, where three tectonic plates, the Anatolia, Arabia, and Africa plates, touch and interact with each other.

8 Secondly, the lack of preparation. ③Earthquakes are common in Turkey, however, in the region, there had not been a major earthquake for more than 200 years, so the level of preparedness was less than other regions which were more used to dealing with tremors. A seismologist says, “The quake-resistant infrastructure is unfortunately patchy in South Turkey and especially Syria.” The US Geological Survey also says many buildings in the region are not built to withstand large earthquakes.

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deadly 致命的な(ここでは「多くの死者を出す」) occur 起こる fault 断層 generate 生み出す  
seismologist 地震学者 tectonically 構造的に active area 活動地帯 tectonic plate 地殻プレート  
interact 作用・影響する quake-resistant 耐震性のある patchy まばらの the US Geological Survey  
アメリカ地質調査所 withstand 耐える ★( )

Q10 What is ②humanitarian aid? When is it needed?

Q11 この地震は、何という断層の近くで起こりましたか。その断層の長さは、どのくらいですか。

Q12 トルコで地震が発生しやすいのは、地質学的ににどのような特徴があるからですか。

Q13 下線③(トルコでは、地震が頻繁に起こる)を他の英語表現で言い換えましょう。

Q14 Why didn't people in the region prepare for the earthquake?

Q15 トルコ南部やシリアの建物の特徴について、8段落の内容をもとに説明しましょう。

\*Q16 How many active faults are there in Japan?



【トルコで M7.8 の地震】プレート境界の地震か／M7.8 Earthquake Hits Central Turkey・  
Turkiye 6 日(月)15:30 更新 <https://www.youtube.com/watch?v=SztDkPEBmOU>  
東アナトリア断層・アナトリアレポート・アラビアレポートの位置関係をつかみましょう。

9 Professor Koichi Kusunoki(楠浩一), a seismic engineering expert has pointed to the so-called “pancake collapse” of many buildings in Turkey as a key reason for the staggering death toll from earthquake. Pancake collapses occur when pillars and other supporting structures in a multi-story building fall due to an earthquake, causing floors to fall on top of each other. He says when a pancake collapse occurs, people inside have no time to escape, and it makes search-and-rescue efforts more difficult.

10 Rescue teams from Germany and Austria halted their operations on February 11<sup>th</sup> due to the worsening security situation in the province of Hatay. "There are more and more reports of clashes between different factions, and shots have also been fired," said a spokesperson of a German rescue team.

11 The chaotic environment has fueled an already ④strong anti-refugee sentiment in Turkey. ⑤Some fake videos were shared online about Syrian and Afghan refugees carrying out looting, which triggered anger among Turkish citizens, although no evidence supported these claims. Some political parties, like the anti-refugee Victory Party, also took advantage of the disaster to blame Syrians for looting.

seismic engineering 耐震高層 collapse 崩壊 staggering 驚異的な pillar 柱 structure 建築物  
multi-story 高層の・多階の halt 休止する clash 衝突 faction 派閥 fire a shot 発砲する chaotic 無  
秩序の・大混乱の fuel あおる anti-:反~ refugee 難民 sentiment 感情 carry out 実行する  
looting 略奪行為 trigger 引き起こす anger 怒り evidence 証拠 claim 主張 political party 政党  
take advantage of~::~~を活用する blame A for B: B のことで A を責める ★( )

Q17 When do pancake collapses occur?

Q18 Why does pancake collapses cause the staggering death toll? Give two reasons.

Q19 Why did rescue teams from Germany and Austria halted their operations?

Q20 下線④について:(1)誰が (2)誰に対して 抱いている感情ですか。詳しく説明しましょう。

Q21 下線⑤ “Some fake videos” の内容を説明しましょう。

Q22 How is the anti-refugee Victory Party taking advantage of the disaster?

Q23 Nativism, or anti-refugee/anti-immigration sentiment can be found everywhere on earth. It leads to prejudice and discrimination. Why do some people hate outsiders and foreigners in times of disasters?

	<p>How these buildings made Turkey-Syria's earthquake so deadly 【Vox】  <a href="https://www.youtube.com/watch?v=TnlCRoBAcuw">https://www.youtube.com/watch?v=TnlCRoBAcuw</a>            パンケーキ・クラッシュについて解説している動画です。</p>
	<p>トルコの被災地アンタキヤ、区画が丸ごとがれきに BBC 記者報告  <a href="https://www.youtube.com/watch?v=33ljgVvzGVM">https://www.youtube.com/watch?v=33ljgVvzGVM</a></p>

★次の文を3回ずつ読んで、暗唱しましょう。

- 1) The combined death toll in Turkey and Syria from the devastating earthquake has now risen above 41,000.
- 2) Rescue operations are still underway to pull survivors from beneath the rubble.
- 3) Seismologists say Turkey is a tectonically active area, yet, many buildings in the region are not built to withstand large earthquakes.
- 4) When a pancake collapse occurs, people inside have no time to escape.
- 5) Some fake videos were shared online about Syrian and Afghan refugees carrying out looting, which triggered anger among Turkish citizens, although no evidence supported these claims.

the fear of loss of social status and identity; threats – perceived or real; a citizen's economic success; and a feeling of superiority among others (Mogekwu, 2005).

[https://www.frontiersin.org/articles/10.3389/frsc.2022.934344/full#:~:text=As%20such%2C%20studies%20based%20on,others%20\(Mogekwu%2C%202005\).](https://www.frontiersin.org/articles/10.3389/frsc.2022.934344/full#:~:text=As%20such%2C%20studies%20based%20on,others%20(Mogekwu%2C%202005).)