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# 1.5 Million Displaced After Chile Quake

By **ALEXEI BARRIONUEVO** and **LIZ ROBBINS**

RIO DE JANEIRO — A strong aftershock struck Chile on Sunday, a day after a destructive 8.8-magnitude earthquake left hundreds of people dead and a long swath of the country in smoky rubble.

The death toll was expected to rise, particularly around Concepción, Chile's second-largest metropolitan area, which is roughly 70 miles from the quake's center. The aftershock was reported around 8:30 local time Sunday morning from the capital of Santiago, where it shook buildings, according to Reuters.

More than 1.5 million people have displaced by the quake, according to local news services that quoted the director of Chile's emergency management office. In Concepción, which appeared to be especially hard hit, the mayor said Sunday morning that 100 people were trapped under the rubble of a building that had collapsed, according to Reuters.

Elsewhere in Concepción, cars lay mangled and upended on streets littered with telephone wires and power cables. A new 14-story apartment building fell, while an older, biochemical lab at the University of Concepción caught fire.

In the nearby port of Talcahuano, a giant wave flooded the main square before receding and leaving behind a large fishing boat on the city streets.

"It was terrible, terrible," said Adela Galaz, a 59-year-old cosmetologist who said glasses and paintings fell to the floor of her 22nd-floor apartment in Santiago, 200 miles from the quake's center. "We are grateful to be alive."

President **Michelle Bachelet**, speaking at a news conference on Saturday night, called the quake "one of the worst tragedies in the last 50 years" and declared a "state of catastrophe."

While this earthquake was far stronger than the 7.0-magnitude one that ravaged Haiti six weeks ago, the damage and death toll in Chile are likely to be far less extensive, in part because of strict building codes put in place after devastating earthquakes.

The quake Saturday, tied for the fifth largest in the world since 1900, set off tsunami waves that swamped some nearby islands before moving across the Pacific. Hawaii began evacuations before dawn, but by early afternoon there — more than 15 hours after the earthquake first struck 6,500 miles away — the fears of a destructive wave had passed. Countries including Japan and the Philippines were on alert and ordered limited evacuations in anticipation of waves hitting Sunday.

Chileans were only just beginning to grapple with the devastation before them, even as more than two dozen significant aftershocks struck the country.

In Santiago, the capital, residents reported having been terrified as the city shook for about 90 seconds.

Some people ran screaming from their downtown apartments, while car alarms and sirens wailed during the middle of the night. At least one apartment building collapsed, according to local media, and one highway buckled, flipping cars.

“We are in panic because it has been trembling all day,” said Cecilia Vial, 65, an interior decorator in Santiago, who dashed out of her apartment only to return at night because she had nowhere else to go.

“We cannot go against nature,” she said. “This is something that nature did.”

Paul E. Simons, the United States ambassador to Chile, said in a telephone interview from Santiago that people he spoke with at the embassy said those 90 seconds “felt like five minutes.” He added: “It was definitely an emotional experience.”

Mr. Simons said that although the United States had offered aid, Chile’s government had not yet requested assistance. All international relief groups were on standby, and the International Federation of Red Crosses and Red Crescents said the Chilean Red Cross indicated that it did not need external assistance at this point.

Although there were long lines at supermarkets and gas stations, and damaged buildings and roads, the capital city, according to residents there, was mostly calm by the late afternoon Saturday. But the scene was grimmer in Concepción and surrounding areas to the south.

In Talca, 167 miles south of Santiago, almost every home in the center of the city was severely damaged, and on Saturday night, people slept on the streets in the balmy night air near fires built with wood from destroyed homes. All but two of the local hospital's 13 wings were in ruins, said Claudio Martínez, a doctor at the hospital. "We're only keeping the people in danger of dying," he said.

Dr. Martínez said the hospital staff had tried to take some people to Santiago for treatment in the morning, but the roads were blocked at the time.

Eduardo Martínez, 57, a local resident, said many people on his street had died and that he and his five brothers all lost their homes.

In Chillán, 69 miles from Concepción, a crumbling wall allowed 300 prisoners to escape and incite a riot, according to La Tercera, the nation's largest newspaper. The police captured 60 inmates, but more than 200 were still at large, the newspaper reported on its Web site. With major highways and bridges destroyed, and slabs of concrete jabbing diagonally into the air, transportation slowed or was halted altogether.

Major seaports and airports, including the main airport in Santiago, were out of operation across the central region, Chilean officials said. TV Chile reported that part of the ceiling at the airport had collapsed, but that runways appeared intact. Cellphone and Internet service was sporadic throughout the country, considered one of the most wired in Latin America, complicating rescue efforts.

On Robinson Crusoe, one of the coastal islands hit by early waves, authorities said at least four people had been killed.

**President Obama** spoke briefly outside the White House on Saturday afternoon, expressing concern for the country and saying the United States would offer aid in rescue and recovery efforts.

"Early indications are that hundreds of lives have been lost in Chile and the damage has been severe," Mr. Obama said.

He told Mrs. Bachelet that the United States was ready to help if needed. "We will be there for her should the Chilean people need assistance," he said

State Department officials said that Secretary of State **Hillary Rodham Clinton**, who had been planning a trip to South America beginning on Monday, was also contacting Mrs. Bachelet, with whom she has long had warm personal relations.

**Ban Ki-moon**, the **United Nations** secretary general, also offered his condolences, as well as longer-term aid should Chilean officials signal the need for it.

The earthquake struck at 3:34 a.m. in central Chile, centered roughly 200 miles southwest of Santiago at a depth of 22 miles, the **United States Geological Survey** reported.

The Geological Survey said that another earthquake on Saturday, a 6.3-magnitude quake in northern Argentina, was unrelated. In Salta, Argentina, an 8-year-old boy was killed and two of his friends were injured when a wall collapsed, The Associated Press reported.

The most powerful earthquake ever recorded was also in Chile: a 9.5-magnitude quake struck in the spring of 1960 that struck near Concepción and set off a series of deadly tsunamis that killed people as far away as Hawaii and Japan.

But that earthquake, which killed nearly 2,000 people and left more than two million homeless at the time, prepared officials and residents in the region for future devastating effects.

Shortly after a 7.8-magnitude earthquake struck in Valparaíso in 1985, the country established strict building codes, according to Andre Filiatrault, the director of the Multidisciplinary Center for Earthquake Engineering Research at the **University at Buffalo**.

“There is a lot of reinforced concrete in Chile, which is normal in Latin America,” Professor Filiatrault said. “The only issue in this, like any earthquakes, are the older buildings and residential construction that might not have been designed according to these codes.”

This was in direct contrast to Haiti, which was unprepared for the Jan. 12 earthquake, Professor Filiatrault added.

“If you are considering this magnitude is 8.8, I would be very surprised if the death tolls come close,” Professor Filiatrault said.

*Alexei Barrionuevo reported from Rio de Janeiro, and Liz Robbins from New York. Reporting was contributed by Eric Lipton and Ginger Thompson from Washington; Charles Newbery and Vinod Sreeharsha from Buenos Aires; Charles E. Roessler from Kauai, Hawaii; Tomás Munita from Santiago and Talca, Chile; Andres Schipani from La Paz, Bolivia; Maria Eugenia Diaz from Caracas, Venezuela; and Sarah Wheaton from New York.*

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