

# *Diseases spread in Gaza amid water and sewage crisis, cholera feared*

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**A child squeezes rain water as displaced Palestinians shelter in a tent camp, amid the conflict between Israel and Palestinian Islamist group Hamas  
UNRWA estimates that about 70 percent of Gaza's 2.3 million people – more than half of whom are children – no longer have access to clean water [Ibraheem Abu Mustafa/Reuters]**

Khan Younis, November 20 (RHC)-- Sewage flows in the streets of Gaza as all key sanitation services have ceased operating, raising the alarming prospect of an enormous surge of gastrointestinal and infectious diseases among the local populations – including cholera.

For Gaza's 2.3 million residents, finding drinkable water has become close to impossible.

At a school run by the United Nations relief agency for Palestinian refugees (UNRWA) in Khan Younis, 33-year-old Osama Saqr attempted to fill some bottles with water for his thirsty children. He took a sip and grimaced in disgust at the saltiness of the fluid, before letting out a long sigh.

"It's polluted and unsuitable, but my children always drink it, there's no alternative," he told Al Jazeera.

Saqr's one-year-old son has diarrhoea but he cannot find medicines in hospitals or pharmacies to treat him. "Even if I find it, the problem remains, the water is polluted and salty water, not suitable for drinking," he said. "I'm afraid that eventually, I'm going to lose one of my children to this poisoning."

The World Health Organization (WHO) has recorded more than 44,000 cases of diarrhoea and 70,000 acute respiratory infections, but real numbers may be significantly higher. On Friday, the UN agency said it was extremely concerned that rains and floods during the approaching winter season will make an already dire situation even worse.

"We are hearing about several hundred people per toilet at the UNRWA centres and those have been overflowing, so people are doing open defecation," Richard Brennan, regional emergency director for the Eastern Mediterranean region at WHO, told Al Jazeera. "They have to find a place to go to the bathroom in the grounds where they are staying. That's a huge public health risk and also very humiliating."

Brennan said overcrowding, lack of solid waste management, poor sanitation and open-air defecation were all contributing to the spread of diseases including diarrhoea, respiratory infections and skin infections, including scabies.

UN agencies have warned that the collapse of water and sanitation services could even spark bouts of cholera if urgent humanitarian aid is not delivered. If nothing changes, "there will be more and more people falling sick and the risk of major outbreaks will increase dramatically," Brennan said.

Gaza's essential water and sanitation infrastructure has either been destroyed by Israeli bombardment or has run out of fuel. In the southern governorates of Deir el-Balah, Khan Younis and Rafah, all 76 water wells have stopped functioning, as well as two main drinking water plants and 15 sewage pumping stations, according to the UNRWA.

WHO estimates that the average person in Gaza is currently consuming just 3 litres of water per day for drinking and sanitation. This compares with the minimum of 7.5 litres recommended by the agency in emergency situations.

The halt of key services including water desalination plants, sewage treatment and hospitals has led to a 40 percent increase in diarrhoea for people taking shelter in UNRWA schools, the agency said. It estimated that about 70 percent of Gaza's 2.3 million people – more than half of whom are children – no longer have access to clean water.

On Wednesday, Israeli authorities allowed just over 23,000 litres (6,000 gallons) of fuel to be brought into the Strip via Egypt. But they restricted the use of this fuel to trucks transporting the little aid coming in. The UNRWA said it needed 160,000 litres (42,000 gallons) of fuel a day for basic humanitarian operations.

"This fuel cannot be used for the overall humanitarian response, including for medical and water facilities or the work of UNRWA," the agency's Commissioner General Philippe Lazzarini told a press conference.

“It is appalling that fuel continues to be used as a weapon of war. This seriously paralyses our work and the delivery of assistance to the Palestinian communities in Gaza.”

The Ministry of Health in Gaza has warned that the lack of clean water caused by fuel shortages has put the lives of 1,100 patients with kidney failure, including 38 children, particularly at risk.

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