



## Swimming in chlorinated pools can lead to cancer: study

*Swimming in chlorinated pools can cause an increased risk of cancer in bathers, Spanish researchers said on Monday.*

Researchers from the Barcelona-based Centre of [Research in Environmental Epidemiology](#) (CREAL) and [Research](#) Institute Hospital del Mar studied changes in indicators of mutagenicity -- permanent mutation of the DNA -- among a group of swimmers in an indoor chlorinated pool. "The evidence of genotoxic effects were observed in 49 healthy adults after swimming for 40 minutes in a chlorinated indoor pool," CREAL said in a statement on Monday. Researchers found indicators of an increase in [cancer risk](#) in healthy subjects as well as potential respiratory effects from the chlorine used as a disinfectant, the statement said. The study was published on Sunday in the [US journal Environmental Health Perspectives](#).

[http://www.breitbart.com/article.php?id=CNG.0d3b024b6ebe95c3d3e432c5b75913d3.1c1&show\\_article=1](http://www.breitbart.com/article.php?id=CNG.0d3b024b6ebe95c3d3e432c5b75913d3.1c1&show_article=1)



## Wisconsin Department of Health Services

**Cancer:** **Chloroform is suspected of causing cancer.** Liver and kidney tumors have been reported in laboratory animals. Any exposure to a cancer-causing chemical may increase your risk of developing cancer.

**Reproductive Effects:** The reproductive and developmental effects of chloroform are not known. However, chloroform can enter the bloodstream of a developing baby.

**Water:** The state groundwater standard for chloroform is 6 parts per billion (ppb). The state and federal drinking water standard for total trihalomethanes in chlorinated, municipal drinking water supplies is 100 ppb. **We suggest you stop drinking water that contains** more than the standard for your water supply. If levels of chloroform or trihalomethanes are very high in your water, you may **also need to avoid washing, bathing, or using the water for other purposes.** Contact your local public health agency for more information specific to your situation.

### Chlorine is "Very Explosive"

Google: Chlorine Explosion:

5-Children were admitted to the hospital emergency room in respiratory distress after an accidental explosion involving chlorinating agents for the swimming pool.  
<http://oem.bmj.com/cgi/reprint/58/6/399.pdf>

----- Original Message -----

From: Paul Mosely

Hello Carmen,

This is the exact circumstances. I lived in a condominium community in 1984 that had an **Olympic size swimming pool**. The association approached me to see if I would take over the handling of the pool care as they had heard from other sources I was very good at this. I did not have time but told them I would train someone to do the job if they liked. They chose a young navy man and we immediately struck up a friendship that lasted for years. They were ordering chlorine from several companies (not a good idea) and storing them in the same room. The chlorine was granular (against my recommendations). The young man (again against my recommendations) was mixing the powder with water before throwing it into the pool. One bucket was empty and he filled the remaining chlorine needed from another bucket. I don't remember the exact chlorines but both were granular. When he put the water in the bucket to mix it the bucket became very hot instantly and he threw it down and ran. (I had cautioned him several times about any changes in chlorine to immediately get away from it). My home was around two blocks from the resulting **explosion** and it shook my house. It sounded like two or three stick of dynamite had gone off. He did not do that again and fortunately no one was in the pool area except him. Paul

## Swimming Pool Chlorine Explosions

Google: 15,100 - Pool Chlorine Explosion

**A passenger vehicle carrying a family of five erupted into flames**

The cause was listed as a half-full box of pool chemicals.

The Task Force also reviewed a fire investigation report provided by the Oregon State Fire Marshal's Office of a fire that resulted in fatalities when a passenger vehicle carrying a family of five erupted into flames as it was being driven along a highway. The cause was listed as a half-full box of pool chemicals.

[http://www.firemarshals.org/data/File/docs/cal\\_hypo\\_report\\_final.pdf](http://www.firemarshals.org/data/File/docs/cal_hypo_report_final.pdf)

**Explosion Rocks Manchester Pool Supply Center**

MANCHESTER (AP) -- Dozens of homes were evacuated Thursday after an explosion at a pool supply company sent plumes of chlorine-filled smoke into the sky. Officials are worried that there will be chemical runoff into the Hackanum River and are concerned with what people are breathing... The warning was prompted by three separate incidents last week involving pool owners who risked exposing themselves and others to toxic fumes, fire and explosion by dangerously mixing or improperly handling pool chemicals.

<http://www.wpxi.com/news/23685016/detail.html>

*Forty-eight people were taken to hospital after inhaling chlorine gas from a chemical leak in the swimming pool. It is believed that hydrochloric acid and sodium hypochloride were*

***accidentally pumped into the wrong tank during a routine delivery of cleansing chemicals. Officials are preparing a report which it is believed could result in criminal charges focusing on pool staff, management and the lorry driver who delivered the chemicals.*** <http://www.acusafe.com/Newsletter/Stories/0901News-MonthlyIncidents.htm>