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## Bisphenol A May Linger in Body

### Study Shows More Than Expected Amounts of BPA May Accumulate in Americans' Bodies

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WebMD Health News

Reviewed by [Louise Chang, MD](#)

Jan. 28, 2009 -- The plastics chemical bisphenol A (BPA) doesn't leave the body as easily as previously thought, a new study suggests.

BPA is everywhere: in PVC pipe, in polycarbonate drink containers, in the plastic that lines food and soft-drink cans, and even in dental sealants. It's also in our bodies. Virtually everyone has detectable levels of BPA in his or her body.

Although Canada last October banned BPA from plastic [baby bottles](#), the U.S. [FDA still considers it safe](#). The U.S. National Toxicology Program, however, notes "[concerns](#)" [over BPA safety](#). Not taking any chances, several baby-bottle makers have stopped using BPA in their products.

Based on limited evidence, most researchers have assumed that most of our BPA exposure comes from food, and that the body gets rid of each BPA dose within 24 hours.

Now there's evidence that BPA might be in our water as well as in our food, and that it lingers in our fat tissues. If confirmed -- and the current findings are very preliminary -- it could mean BPA is a bigger problem than thought.

University of Rochester researcher Richard Stahlhut, MD, MPH, analyzed data on 1,469 U.S. adults from the CDC's huge 2003-2004 NHANES study. That study gave [fasting](#) people one-time BPA tests, and also collected extensive dietary data.

Stahlhut compared people's BPA levels to how long it had been since their last meal. Since virtually all BPA is supposed to come from food, and BPA is supposed to have a short half-life, he expected that average BPA levels would dwindle in people who fasted longer than that.

"After 10 to 15 hours of fasting, there shouldn't be anybody with any detectable levels of BPA," Stahlhut tells WebMD. "But it just hangs there like the London fog. You do see a subtle downward trend, but what you don't see is it falling off the map. And by 24 hours it's still there."

What's going on? The people in the NHANES study really fasted -- CDC researchers made sure of that. But they were allowed to drink water, black coffee, and [diet](#) soda.

The BPA could have come from the diet soda or other things the CDC researchers couldn't control, points out University of Miami medical toxicologist John Cienki, MD. Cienki, who was not involved in the Stahlhut or NHANES studies, says he worries about BPA. But he warns that there are too many unknowns in the NHANES data to draw any definite conclusions.

"I think we are using data here that was not designed to be used this way," Cienki cautions. "Yes, we would anticipate a greater BPA excretion if people were fasting -- if they had not continued to ingest BPA. But this study did not control for consumption of or exposure to BPA."

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