

Baby swimmers have better balance

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Teaching babies to swim turns out to be more than just fun. Baby swimmers have better balance and are also better at grasping at things than non-swimmers. This difference persists even when children are five years old, when babies who have been taught to swim still outperform their peers.

"Practice makes perfect," say Hermundur Sigmundsson, a professor of psychology at the Norwegian University of Science and Technology.

Now Sigmundsson and Brian Hopkins, a professor of psychology from Lancaster University have shown that baby [swimming](#) is good for developing balance and movement in infants and young children.

Very clear results

The study involved comparing 19 baby swimmers against a control group of 19 children who had not participated in baby swimming. The only factor that separated baby swimmers from the control group was swimming. All other factors, such as the parents' education, housing and economic status, were the same.

The baby swimmers had participated in swimming classes for two hours a week from the age of 2-3 months until they were about 7 months old. A typical session might involve helping the baby do a somersault on a floating mat, having the baby dive under water, jump from the pool edge, and balance on the hand of a parent while reaching to pick up floating objects.

At approximately age 5, both baby swimmers and the control group were tested with similar exercises. The exercises included walking on tiptoes, balancing on one foot, skipping rope, rolling a ball into a goal and catching a beanbag. The results were crystal clear, the researchers say.

"We saw very clearly that baby swimmers were the best in exercises that related to balance and the ability to reach for things," says Sigmundsson.

Swimming in Iceland

The survey took place in Iceland, which is Sigmundsson's homeland.

"Water is as important to Icelanders as snow is for Norwegians. A typical Icelander swims on average once or twice a week, and there is great deal of interest in baby swimming. I know an instructor who has been teaching baby swimming for 20 years. He had a great deal of information about children who have participated in swimming courses. So it was natural for us to conduct the study in Iceland," Sigmundsson says.

Sigmundsson says he was simply overwhelmed by what the instructor was able to get the babies to do.

"The instructor was able to bring three-month-old babies right up to a balanced position, standing on his palm. The babies locked joints -- it was amazing to watch," Sigmundsson says.

He believes the survey shows that specific training in young children gives results.

"It's incredibly exciting that specific training for young [babies](#) has an effect later in life. Development is a dynamic interplay between maturation, growth, experience and learning. Our study shows that we

must never underestimate the learning aspect," Sigmundsson concludes.

More information: Sigmundsson, H. and B. Hopkins. 2010. Baby swimming: exploring the effects of early intervention on subsequent motor abilities, *Child: Care Health and Development*. 36:3, 428-430. [DOI:10.1111/j.1365-2214.2009.00990.x](https://doi.org/10.1111/j.1365-2214.2009.00990.x)

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