

Early-life mortality risk higher in ART-conceived children

April 7 2020



(HealthDay)—Compared with children who are naturally conceived,

children who are conceived via assisted reproductive techniques (ART) may be at increased risk for mortality during their first year of life, according to a study published in the March issue of *Fertility and Sterility*.

Kenny A. Rodriguez-Wallberg, M.D., Ph.D., from the Karolinska Institutet in Stockholm, and colleagues compared mortality between children who were conceived using ART and those who were conceived naturally among 2,847,108 singleton live-born infants born between 1983 and 2012 in Sweden.

The researchers found that the [infant mortality rate](#) among 43,506 singletons who were conceived using ART was higher compared with that seen among [infants](#) who were conceived naturally (adjusted hazard ratio, 1.45) and more so after transfer of cryopreserved embryos (adjusted hazard ratio, 2.30). Specifically, children born after a transfer of blastocysts had an increased early neonatal mortality risk (adjusted hazard ratio, 2.40). The investigators did not see an increased mortality risk between the ages of 1 and 18 years for singletons conceived using ART.

"It is important to note that even if we, on a group level, can see a somewhat increased risk of infant mortality after IVF, the absolute risk for each individual is still very small," Rodriguez-Wallberg said in a statement. "It is also reassuring to know that there is no increased risk of [mortality](#) in this group of [children](#) beyond the first year of life."

More information: [Abstract/Full Text](#)

Copyright © 2020 [HealthDay](#). All rights reserved.

Citation: Early-life mortality risk higher in ART-conceived children (2020, April 7) retrieved 6

May 2024 from <https://medicalxpress.com/news/2020-04-early-life-mortality-higher-art-conceived-children.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.