

We see a world without malnutrition, and we can't do it without you

Fighting malnutrition with multiple micronutrient supplements (MMS)



With an increased need for nutrients to support both their own health and the infant's development, pregnant women are particularly vulnerable to micronutrient deficiencies. This becomes even more challenging in low and middle-income, countries where limited access to healthy, nutritious food often means that it is more difficult for expectant mothers to meet the recommended levels of vitamins and minerals through their diet alone.

Why are MMS essential for maternal and infant health?

Poor nutrient intakes may affect the short- and long-term health of mothers and babies. Two thirds of non-pregnant women of reproductive age worldwide have at least one micronutrient deficiency. Recent evidence on MMS has shown consistent risk reductions for low birth weight, small for gestational age, and other adverse birth outcomes, over and above the benefits provided by iron (with or without folic acid).²

MMS is one of the eight proven preventive interventions of antenatal care package for all pregnant women recommended by WHO which could reduce preterm births and small-for-gestational-age births.¹



Your end-to-end partner for supporting brighter, healthier futures

With our portfolio of science-backed products, customized solutions and expert services, alongside decades of experience in maternal nutrition science, dsm-firmenich can help governments, non-governmental organizations (NGOs) and donors introduce effective MMS interventions that improve the nutritional status of the most vulnerable mothers and babies worldwide. Alongside these programs, dsm-firmenich supports the implementation of education and behavioral change initiatives on a local level to raise awareness about the benefits of MMS among healthcare workers and expectant mothers, increase adherence to MMS interventions and ultimately, support brighter futures. More than a supplier, we're your end-to-end partner, supporting you with:

1. Accessible nutritional solutions

Since 2008, dsm-firmenich has been providing its partners with high quality multiple micronutrient premixes and MMS solutions that are cost-effective, safe and tailored to the needs of pregnant women. With a global footprint, dsm-firmenich also has the strong production network needed to reduce lead times and supply high quality solutions at a regional and local level.

2. Technical and scientific expertise

dsm-firmenich provides its public and private sector partners with its scientific, technical and regulatory expertise throughout the entire product development process. We help local manufacturers identify the best-suited nutrients, premixes and ingredient formats, as well as optimize formulations, and our experts were involved in the design of the universally recommended United Nations International Multiple Micronutrient Antenatal Preparation (UNIMMAP) MMS standard.

3. Advocacy through education

At dsm-firmenich, we believe that optimal nutrition is a universal human right, and that MMS programs have the power to improve the nutritional status of pregnant women and their children in low and middle-income countries. This is why one of dsm-firmenich's top priorities is to raise awareness of the health and economic benefits of MMS interventions and scale up their introduction worldwide. To realize this ambitious goal, we work with governments, NGOs, UN-Agencies and other public and private sector partners to drive the MMS agenda forward.

4. Supporting demand creation

dsm-firmenich is committed to ensuring that women everywhere have access to affordable MMS, which is why we work with our customers and partners worldwide to develop inclusive and sustainable business models that encourage the development of MMS solutions, as well as their sale through user-friendly retail channels.

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dsm-firmenich is a proud partner of the Healthy Mothers, Healthy Babies Accelerator by the Bill and Melinda Gates Foundation's Goalkeepers initiative, which advocates the health and economic benefits of MMS to support the large-scale introduction of maternal nutrition programs and shape brighter, healthier futures for mother and babies worldwide.



At dsm-firmenich, we know that creating brighter lives for people worldwide takes solid experience, technical expertise, and passion at every stage of the development process. That's why we constantly innovate affordable, aspirational, and accessible nutritional solutions, empowering our customers' products to change lives anywhere in the world. This takes more than ingredients. It takes a partner. Together, let's make MMS available for all pregnant women in low and middle-income countries to improve the health and wellbeing

www.nutritionimprovement.com

References: 1 <https://apps.who.int/iris/bitstream/handle/10665/345533/WHO-MHP-HPS-EML-2021.02-eng.pdf> 2 Gomes, F., Askari, S., Black, R. E., Christian, P., Dewey, K. G., Mwangi, M. N., Rana, Z., Reed, S., Shankar, A. H., Smith, E. R., & Tumilowicz, A. (2023). Antenatal multiple micronutrient supplements versus iron-folic acid supplements and birth outcomes: Analysis by gestational age assessment method. *Maternal & Child Nutrition*, e13509. <https://doi.org/10.1111/mcn.13509>

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