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Product Brief



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Life-saving PPH product innovation for low-resource settings

Post-partum hemorrhage (PPH) is the leading direct cause of maternal deaths worldwide. **Every year, PPH leads to more than 130,000 maternal deaths** that would be preventable with timely and effective management of the third stage of labor. **99 per cent of these deaths occur in low- and middle-income countries** in settings where bleeding women may be hours away from comprehensive obstetric care.

Non-pneumatic anti-shock garment (NASG) is a low-cost first-aid device for refractory (persistent) PPH. NASG is a lightweight, washable and reusable neoprene compression device that looks like the bottom half of a wetsuit cut in segments. It reduces the blood flow to the uterus and treats hypovolemic shock resulting from PPH while allowing access to conduct

examinations and operations to identify and repair the location of the bleeding. A large evidence base suggests that NASG is effective in reducing maternal mortality. The earlier NASG is applied in the primary health care level, the better patients can survive delays in reaching definitive care in referral hospitals. Depending on the context and the use scenario, **NASG can save lives with a cost as low as \$2/DALY averted.**

WHO recommends the use of non-pneumatic anti-shock garments as a temporizing measure if bleeding continues despite the use of first-line interventions, such as uterotonics, uterine massage and tranexamic acid (TXA).

NASG can be procured through UNICEF Supply Division. The Product Innovation Unit can provide technical guidance and support for NASG procurement,

distribution, and implementation, and connect interested country offices to leading experts in the PPH innovation integration to the maternal care systems.

NASG Readings and Resources:

[Safe Motherhood Program](#)

[WHO Recommendations for the prevention and treatment of postpartum haemorrhage](#)

[UN Commission on Life Saving Commodities - 2014 Report with NASG included](#)

[NASG studies in 2015-2019 – Summary Table](#)

For more information on NASG and other maternal health product innovations, contact:

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NASG Layout (Lifewrap 2019)