



## What has happened?

The current situation following the Russian invasion of Ukraine, has instigated a major emergency in the provision of neonatal care to small, sick, and vulnerable newborn infants.

Infants born prematurely require care and support in order to survive given their body weight, skin integrity, and general immaturity. In normal circumstances, this care is provided by standard incubator environments providing warmth and protection. These would be in a hospital Neonatal Intensive Care Unit (NICU).

To put the problem into perspective, with a population of 43,466,822, and a birth rate of 8.1:1000 population – this results in around 11,600 premature babies born in Ukraine each year; or 970/month or 32 babies born prematurely every day who require urgent help. The evolving situation is leading to many NICUs not being able to operate safely, and infants being taken to safe bunkers for care – often without any electricity or warmth – due to conventional systems being immobile, too heavy, and with little ability to use back up power systems. For every 1 degree drop in a newborn’s body temperature, there is a 28% increase in mortality (death).

As a result of war, preterm births have skyrocketed from an average 10% to a potential 23%+. This has made the need even greater with the prospect of Ukraine losing an entire generation of children.

## Why mOm?

The healthcare community reached out to us for help with the view that our mOm Essential Incubator system is the only system that fits their needs to save babies in the current situation.

### The mOm Incubator is:



**Portable** – 20kg and collapsible to be taken anywhere that is needed. Conventional systems are 100kg+



**Energy Conscious** – Runs off 1/5<sup>th</sup> or less of the energy of a conventional incubator. Includes a backup battery. Can be powered from multiple power sources such as car batteries.



**Easy to clean** – Designed to be incredibly easy to clean



**Easy to maintain** – New design thinking makes our system very easy to maintain in the field. Instruction and videos have been professionally translated into Ukrainian with support systems in place

## What have we done?

So far, we have delivered 51 systems to Ukraine through our partnerships with JOA, Crown Agents, and other generous donors. We estimate with this number of systems we could be saving 50-100 children's lives every single week.

The feedback from the clinicians on the ground is that our incubators have been greatly received and are necessary: 'Today we received incubators, so far 2, 8 more will be later. I would like to thank you personally and on behalf of the entire neonatal intensive care unit for such a great and necessary gift!' 'We thank the Lord and mOm incubators for their support and help! With gratitude and respect – Wiktorja'



*These pictures show the first babies we saved in Ukraine and were sent to us by the clinicians currently using them.*

## What is the need?

The need keeps growing as the war continues. Our partners have identified an immediate need for a further 100 systems, and potentially more in the future. With an estimated 1 year of accessories, each device is £9,000 + delivery

With your help these systems can reach where they are needed most, saving the lives of the most vulnerable children and bringing hope to parents in the most horrible of circumstances.

More information can be found here: [momincubators.com](http://momincubators.com)

A video of the system in operation:



A video of our partnership and the problem:

