

# TADA MEDICAL

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## ABOUT TADA MEDICAL

We are a spin-off from Clinical Innovation Fellowships; an EIT Health flagship initiative with the purpose of creating solutions for the unmet needs of hospitals across the globe. Our multidisciplinary team include engineers and doctors as well as user representatives.

## THE NEED

Intravenous (IV) therapy is the most common invasive procedure in European healthcare. Still, over 10% of all treatments are interrupted by an accidentally dislodged IV catheter. The most affected patient groups are children and the elderly with a reported accident rate as high as 36%. This results in, e.g., patient injury, wasted medication, increased plastic waste and increased workload for healthcare staff. The level of severity associated with an incident depends on IV catheter type, i.e. peripheral venous catheters, central venous catheters, peripherally inserted central catheter and midline catheter, where the highest average costs of €480 per incident can be found for central venous catheters. Dislodgement increases the risk of exposure of healthcare professionals to blood and toxic medications. Other consequences include interrupted/delayed therapy, increased risk for thrombophlebitis and infection due to IV cannula re-insertion and loss of expensive medications.

## THE SOLUTION

TADA is developing ReLink™, a safety connector in two parts to be placed on the IV catheter. When the catheter is accidentally pulled, the two parts acts as a weak link and separate, thus preventing damage to the patient and medical equipment. Due to a double valve system, ReLink™ prevents spillage of blood and medication. After separation, the two parts can be cleaned and reconnected. This feature ensures protection of the IV bag and its contents, thus reducing plastic waste to a minimum and enabling instant resumption of therapy. This is especially important for patients receiving chemotherapy since their doses are individually calculated and spilling an unknown amount can be devastating to their treatment protocol.

