



EUTOPIA_HEALTH Hackathon

Challenge launched by Associação EVITA – Cancro Hereditário

Mission of the company:

EVITA supports individuals and familias affected by any hereditary cancer syndrome before, during and after genetic counselling and testing.

Title of the challenge (one sentence only):

How to support healthcare professionals in identifying and managing patients at risk of hereditary cancer?

Brief description of the context/problematic behind the challenge:

Hereditary Cancer represents ~10% of all cancers, only 20% of genetic variant carriers are identified and more than half of hereditary cancer patients do not undergo genetic testing. The biggest barrier to access genetic counselling and testing is the lack of genetic literacy within healthcare professionals, because hereditary cancer syndromes are very complex and information on guidelines is difficult to find. In order to identify more and better carriers of pathogenic variants we need to simplify the decision making process. Mainly general practitioners, who are informed about the whole family history of cancer and already seeing several generations, know less about how to identify the patterns. We need to find a way to facilitate that process for an already overwhelmed workforce to guarantee the timely identification of carriers before they get sick, or, at least, prevent late stage diagnosis.

Expected results/outcomes:

The expected outcome is to help healthcare professionals to identify more and follow-up better genetic variant carriers with predisposition to early-onset hereditary cancer. In that way, we save lives and prevent waste for the system.