

# HyperChildNET



**Network for blood pressure research in children and adolescents**





# HYPERTENSION, A GLOBAL CONCERN

Hypertension (HTN) is now responsible for 7.1 million deaths per year worldwide, and largely contributes to cardiovascular and renal diseases such as ischemic heart disease, stroke and chronic kidney disease.

Cardiovascular and renal diseases linked to high blood pressure (BP) are the first cause of mortality in Europe with an economic impact cost of approximately 1 billion euros per year. In fact, although most of the adverse outcomes occur in adulthood it has become clear that high BP is a life course problem that can become evident in early life.

While few would dispute the importance of taking effective steps to identify and manage this condition in middle-aged and older people, relatively little attention has been paid to the problem of high BP in children and adolescents.

As a consequence, despite the latest advances and the wide literature on BP in children and adolescents, the solutions to relevant questions are still pending. Thus, scientific and clinical community, as well as decision-makers, stakeholders and the overall society, must face some critical problems related to the high BP in children and adolescents as a cardiovascular risk factor.



# OUR GOAL

The COST Action HyperChildNET is aimed at establishing a European sustainable and multidisciplinary network of internationally renowned researchers, clinicians, early career investigators, health economists, decision-makers, patients, regulatory bodies, nutrition & pharma companies and medical devices manufacturers focusing on acquiring a holistic understanding of the factors affecting high BP in children in order to propose and implement corrective and preventive actions both globally and locally.

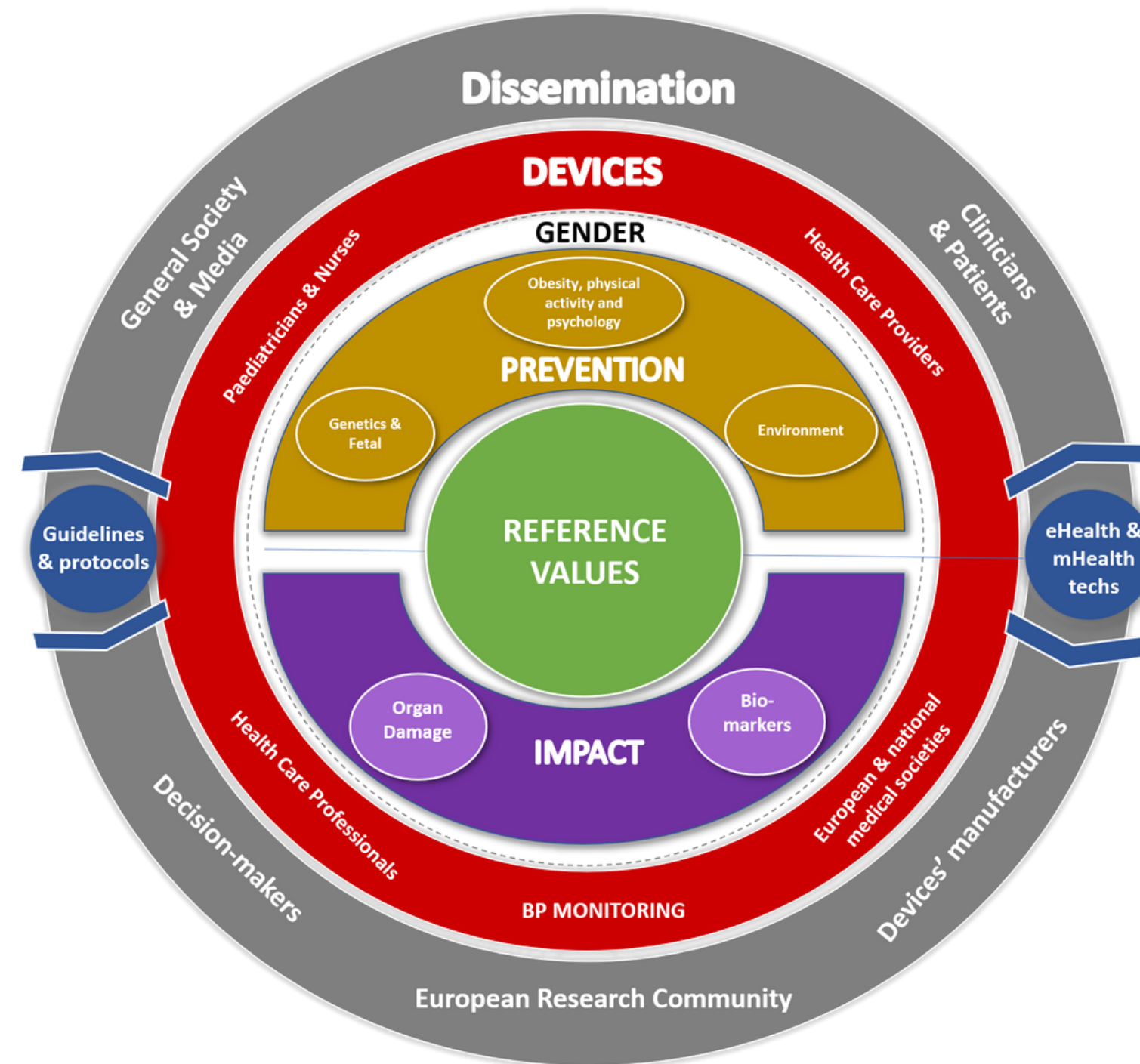




# HOW

## *A 4-year international networking Action*

All members of the network and the research projects running locally will collaborate by creating working groups to coordinate research actions, exchange scientific and clinical knowledge, research findings and best practices. In order to promote the research objectives foreseen, HyperChildNET will organise conferences, seminars, short-term scientific missions, training schools and will produce reports, studies, guides, strategy documents and action plans to make progress in contributing to solve the challenge.



# WORKING GROUPS

Working Groups will allow exchanging knowledge and expertise within a specific core topic (BP measurement devices, reference values and epidemiology, origins, impact, prevention and finally dissemination) from a multidisciplinary approach.

In order for the WGs to best achieve their aims, they will include multidisciplinary research groups, clinicians, health economists, training institutions, nutrition & pharma companies, medical devices OEMs and representatives from all the target groups.

WORKING GROUPS	WG1 Blood pressure <u>devices</u>
	WG2 Blood pressure <u>reference values</u>
	WG3 <u>Impact</u> of high blood pressure in children and adolescents
	WG4 <u>Prevention</u> of high blood pressure in children and adolescents
	WG5 <u>Dissemination</u> and awareness



# A GLOBAL NETWORK



21 countries from Europe and  
America as promoters of  
HyperChildNET

36 leading researchers and  
professionals involved

Promoting equitable gender  
balance

Encouraging the participation of  
Early Stage Researchers and the  
participation of Inclusiveness  
Target Countries





# AN OPEN ACTION



HyperChildNET is an open Action growing every day

Any researcher, professional and representative of the target groups or related stakeholders can join the actions of the network to actively collaborate and participate in the project events and open initiatives

COST Programme has a global vision to promote wide networks of excellence and research collaboration





# MORE DATA ON THE ACTION

## **Project Promoter**

Hospital General University of Valencia (Spain)

## **Supported by**

The European Society of Hypertension

## **Funded by**

COST PROGRAMME

## **Duration**

4 years starting from October 2020

## **More information**

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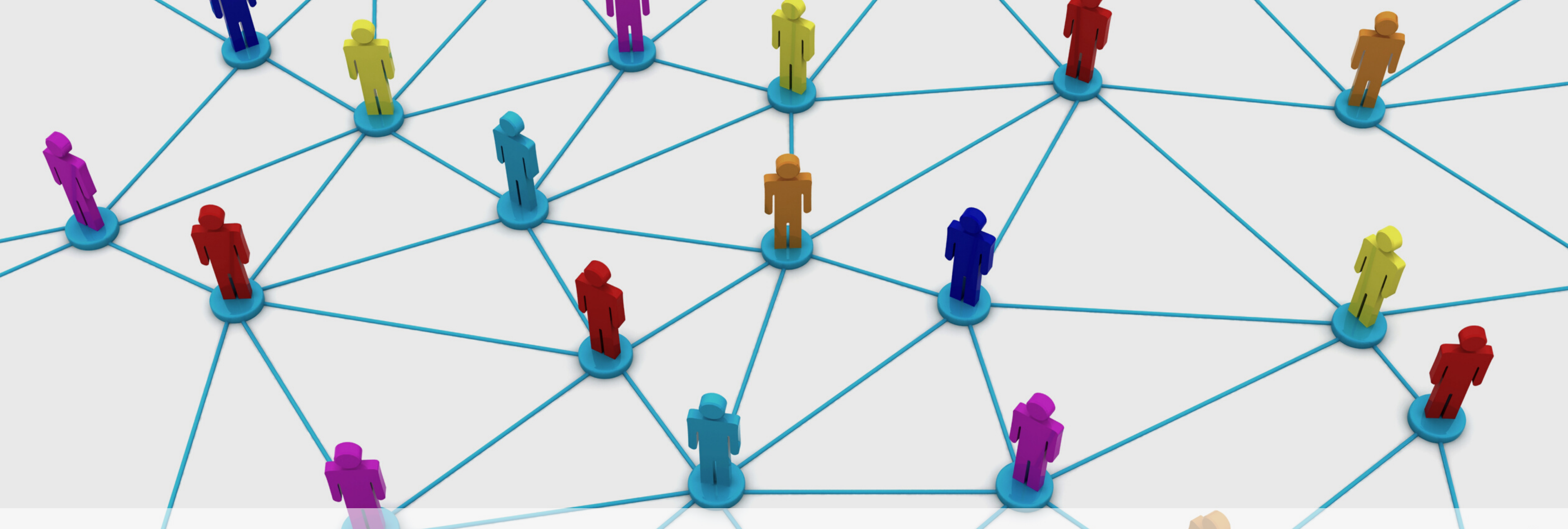


Tell me and I  
forget. Teach me  
and I remember.  
Involve me and I  
learn

Benjamin Franklin







**THIS COST ACTION IS FUNDED BY THE COST PROGRAMME**

**[www.cost.eu](http://www.cost.eu)**

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