

early diagnosis • best treatment • better quality of life • finding a cure

PHA EUROPE *for the patients*

Call to action

April 2022

Gergely Meszaros

PHA Europe

Project manager



Call to action in 2012



Launched in the European Parliament

Call to action 2022



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Call to action 2022

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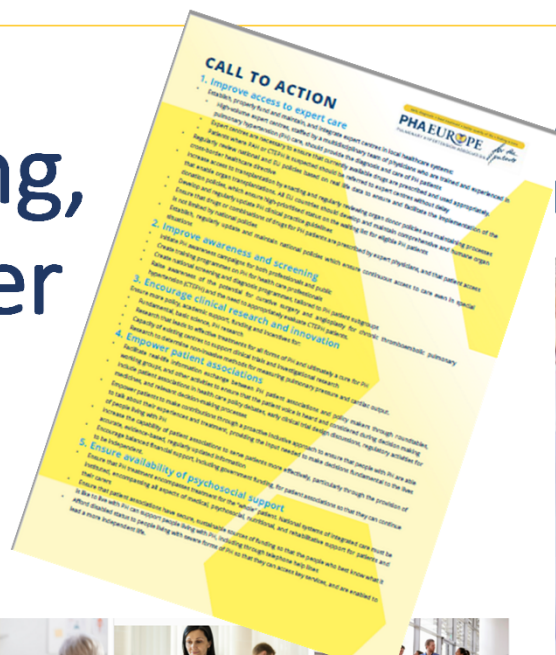
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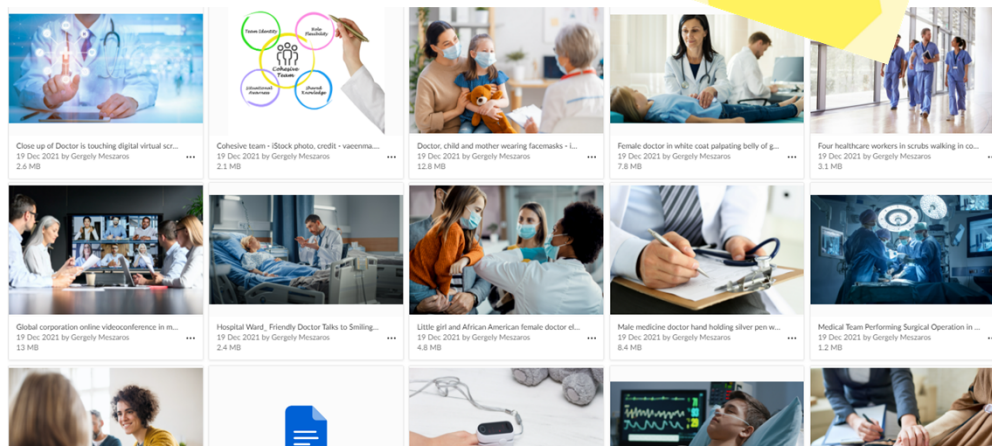
34 members

Freshly looking, modern paper



April 2022

ADDRESSING THE UNMET NEEDS OF PERSONS LIVING WITH PULMONARY HYPERTENSION:
A Call to Action

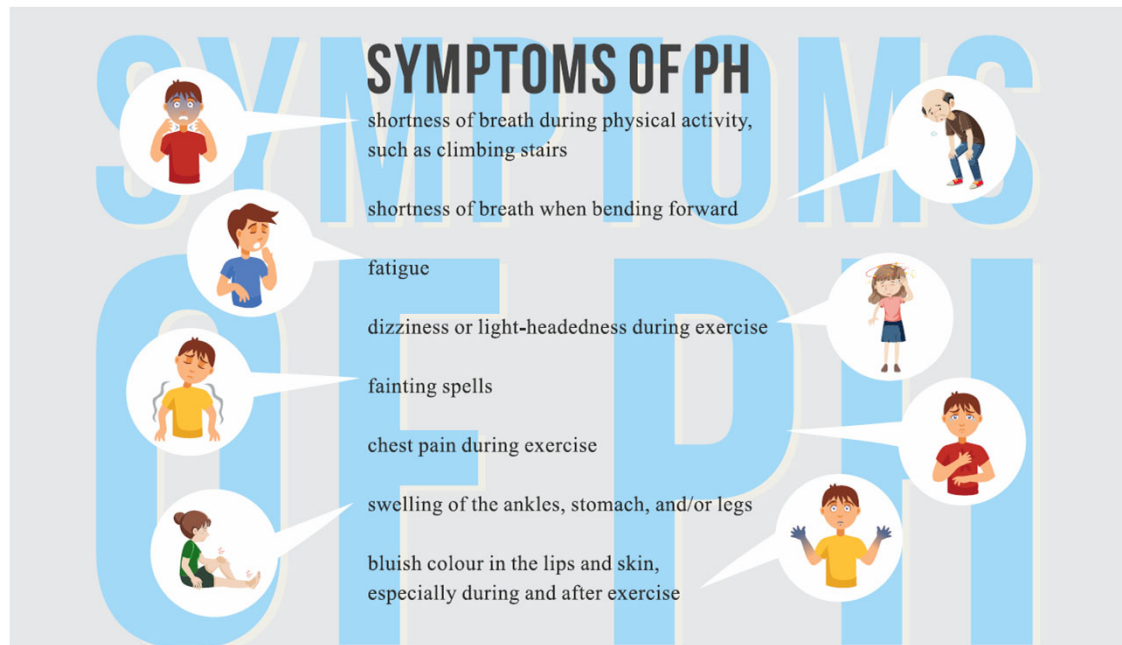


Call to action 2022

New visuals

Multiple purposes

- Standalone use
- Space saving
- More emphasis on these lists & content



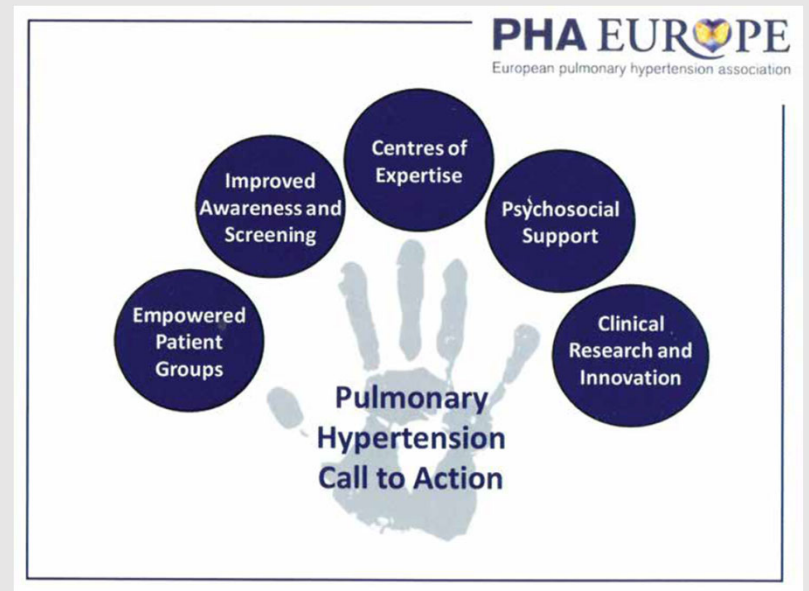
Call to action 2022

A document describing standards of care for pulmonary hypertension centres should consider inclusion of standards about



What we kept...

- 5 main pillars
 - Access to treatment and expert centres
 - Clinical research and innovation
 - Psychosocial support
 - Empowered patient groups
 - Improved awareness and screening



... heavily
re-written

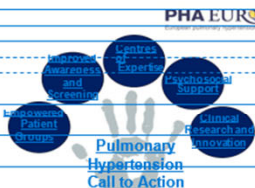
Why Action is Needed for Pulmonary Hypertension

Global estimates suggest that PH affects 20-70 million people worldwide. It may be caused by several other underlying conditions, but often there is no identifiable cause. Symptoms usually do not appear until the disease has progressed, meaning diagnosis and treatment may be delayed. PH does not discriminate, and while it is more common among females it occurs irrespective of age, race, and ethnicity. It can strike our colleagues, our neighbours, our family, and ourselves.

Unfortunately, approved treatments exist for only around one percent of people diagnosed with PH – those with three rare forms of the disease: Pulmonary arterial hypertension (PAH), Chronic thromboembolic pulmonary hypertension (CTEPH) and PH due to chronic pulmonary embolism. Even with therapy, most patients with these forms of the disease have a reduced life expectancy, although timely diagnosis and better disease management can significantly improve that timeline.

The struggle to do something as essential as breathing is both frightening and debilitating and has a dramatic impact on people's lives. That is why this call to action is urgently needed:

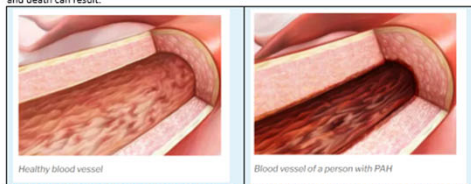
- People with PH need timely diagnosis in order to receive appropriate treatment as managing the disease in the early stages helps to reduce both the physical damage and the impact on quality of life
- Expert centres are needed within reach of people with PH. These need to have multidisciplinary medical teams who are trained and experienced in the diagnosis and treatment of PH to ensure that the right treatment is provided to the right people
- Researchers must continue to investigate innovative and improved treatments until a cure is found



OF People LIVING WITH PULMONARY HYPERTENSION

Introduction

The term **Pulmonary Hypertension (PH)** describes a condition where high blood pressure affects the **right heart and the vessels** of the lungs. Some forms or "subtypes" of PH are rare and can progress rapidly, as well as being debilitating and deadly. Other forms are more common and less aggressive, yet still impact people's lives. In PH, the arteries that carry blood from the heart to the lungs narrow for reasons that we do not yet entirely understand. The narrowed arteries **force the right side of the heart, which pumps blood to the lungs, to work harder**. Eventually, **this wears out the heart, symptoms worsen**, and heart failure and death can result.



PH does not discriminate. Although some forms are more common in young adults and in women and it sometimes runs in families, it occurs irrespective of age, race, and ethnicity. The symptoms of PH, which may include shortness of breath during exercise, fatigue, dizziness and fainting spells, vary from patient to patient, and usually do not occur until the disease has progressed. This delays diagnosis and treatment.

Diagnosis and treatment of PH is complex and belongs in expert hands. Fortunately, most regions in Europe now have established PH centres and it is important that patients with suspected or confirmed PH are referred to these centres.

Types of Pulmonary Hypertension

Pulmonary hypertension is the broad classification for a group of debilitating diseases that affect the heart and lungs. There are five subtypes of PH. Some are rare; some occur more frequently. Each subgroup has different underlying causes and must be treated differently. In fact, treatments that work in some forms of PH may be ineffective and even harmful in other forms of PH.^{1,4}

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Gerr törölt: broad, inclusive name

PH Groups	Group 1	Pulmonary Arterial Hypertension	associated with connective tissue disease, portal hypertension, congenital heart disease, HIV infection	5-10% of patients are affected	incidence and subcutaneous drugs, often used in combination	Treatments primarily target the underlying condition, no established treatment. PH studies are on the way. PH cases should be monitored in case of severe PH
	Group 2	PH associated with left heart disease	Systolic and/or diastolic dysfunction of the left heart, valvular heart disease	Relatively common, affecting up to 50% of patients with advanced left heart disease		
	Group 3	PH associated with lung disease or hypoxia	Various chronic lung diseases including COPD, interstitial lung disease (ILD), pulmonary hypertension (PH) without asthma is usually not associated with PH, but can be a co-morbidity	Relatively common, affecting 30-50% of patients with COPD or ILD		Treatments primarily target the underlying condition, no established treatment. PH studies are on the way. PH cases should be monitored in case of severe PH
	Group 4	CTEPH (chronic thromboembolic pulmonary hypertension)	Organized clots in the pulmonary arteries	Rare (nearly diagnosed in 3-4 patients per million adults and in 2-3 of patients who have recovered from acute pulmonary embolism)		Several treatment options including surgery, blood thinners and medications. Therapy should be determined at CTEPH center
	Group 5	PH associated with other diseases	Includes sarcoidosis, pulmonary histiocytosis, hemangioid disorders and other conditions	Rare, insufficient data for most of these conditions		Treatments primarily target the underlying condition. Patients with severe PH should be monitored in case of severe PH

Group 1: Pulmonary Arterial Hypertension (PAH) is a rare, chronic, progressive condition that is disabling and can lead to death. The cause of PAH is often unknown, in which case it is known as idiopathic PAH. It can be hereditary with or without other affected family members or can be associated with conditions such as connective tissue diseases, HIV infection, liver disease, congenital heart disease, sickle cell disease and the use of certain drugs. PAH affects around 0.006 people in Europe and the symptoms are treatable, but there is medicine that targets the underlying cause and no cure. The median survival rate is five to six years following diagnosis.

Group 2: PH associated with left ventricular disease (PH-LVD) is caused by disorders that affect the left side of the heart, including mitral valve disease and long-term high blood pressure. Left heart disease is one of the most common causes of PH.

Group 3: PH associated with lung disease and/or hypoxemia, including PH with chronic obstructive pulmonary disease (PH-COPD) and PH with interstitial lung disease (PH-ILD), is another common form of PH. The cause is not always known, but it is associated with COPD, sleep breathing disorders and damage to the lung tissue from exposure to disease or hazardous materials.

Chromboembolic pulmonary hypertension (CTEPH) is caused by persistent blood clots in the lungs. CTEPH is a relatively rare but important form of PH, for which multiple treatment options are available. However, many patients are misdiagnosed, and patients often lack information or access to surgical and medical treatments.

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torial (i.e., multiple) causes: This group encompasses various

To reliably diagnose and to effectively treat rare diseases, such as pulmonary arterial hypertension (PAH) and chronic thromboembolic pulmonary hypertension (CTEPH), multidisciplinary teams of experts (MDTs) are essential. All EU countries should develop and maintain specialised centres for the diagnosis and treatment of rare diseases, which should be well equipped with the necessary resources, so that they deal with their patients. PAH and CTEPH are well recognised within the healthcare system, so as to ensure that they receive advanced care, elaborated and specific pathways from diagnosis to treatment, without compromising the quality of care. The development of specific pathways should reduce the delay in accessing advanced care, without compromising the quality of care. With increasing referrals, where common causes of PAH can be more easily identified.

Establish and Strengthen Networks of Expert Centres

High volume expert centres, staffed by a multidisciplinary team of physicians who are trained and specialised in the diagnosis and care of PAH patients.

High volume expert centres have a significant role to play in the diagnosis and care of PAH patients.

greater patient satisfaction, lower complication rates, shorter length of hospital stay and better value for health care payers. In fact, the European Union rates, shortest length of hospital stay and better value for health care payers. In fact, the European Union rates, shortest length of hospital stay and better value for health care payers. In fact, the European Union rates, shortest length of hospital stay and better value for health care payers.

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the need to improve European access to high quality healthcare for rare diseases, and clinical research, in particular through the development of national/regional centres of expertise."

I experienced a progressive shortness of breath for about two years. I was prescribed several asthma medications which didn't work. Eventually, my physician referred me to a cardiologist who started treatment with PAH and sent me to an expert centre. There I was diagnosed with PAH and started treatment.

Slovakia

3

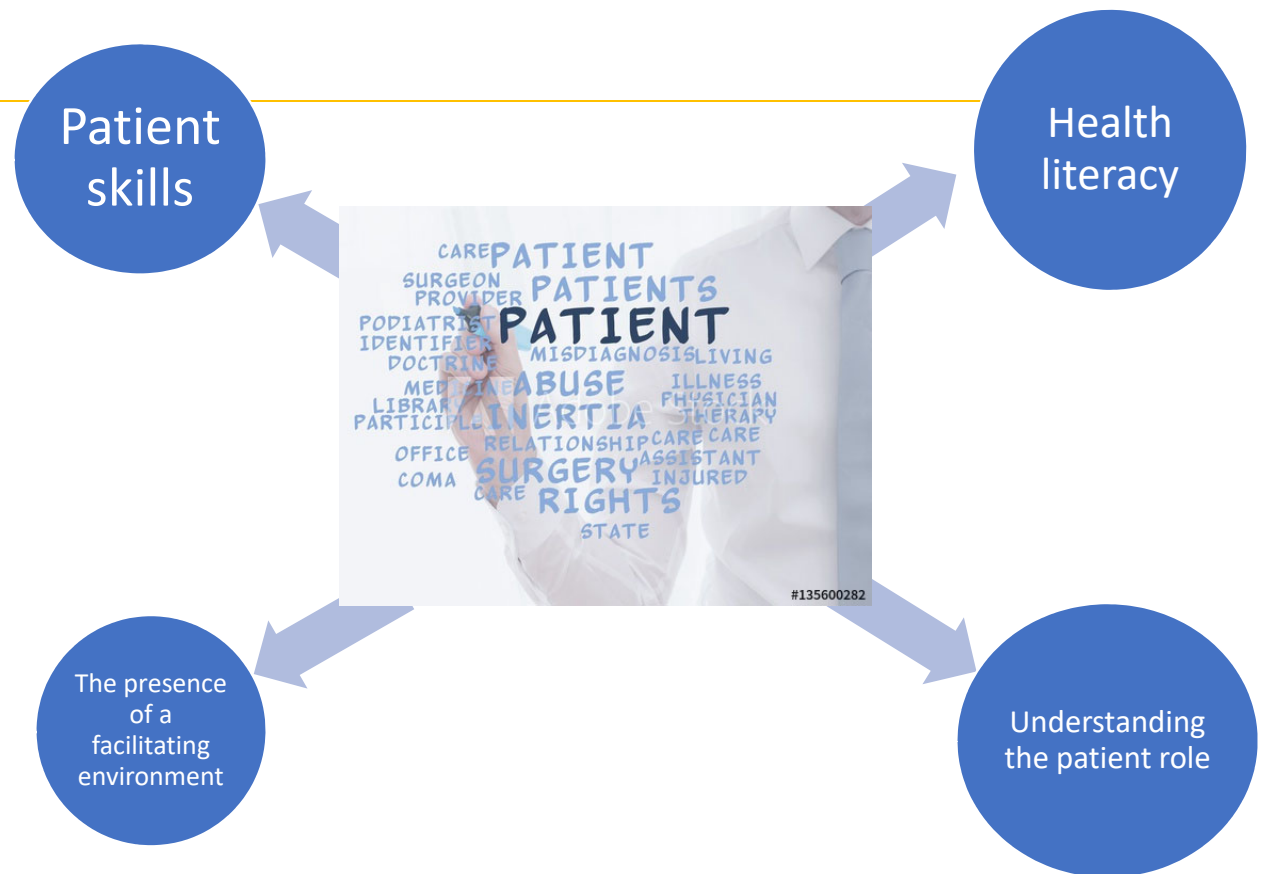
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...work. Eventually my physician referred me to a cardiologist
...sent me to (on papers) centre. Then I was diagnosed with PAF and
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Patient empowerment

“a process through which people gain greater control over decisions and actions affecting their health” and should be seen as both an individual and a community process.



Empower patients to make contributions through a proactive inclusive approach to ensure that people with PH are able to talk about their experiences and treatment, providing the input needed to make decisions fundamental to the lives of people living with PH



Patient empowerment - health literacy



Consensus paper

Making health literacy a priority in EU policy

Importance:

- New technologies
- Demographic change and sustainability
- Self care and better adherence to therapies



- more efficient use of resources
- mitigate the adverse effects of chronic diseases
- increase the patients' **quality of life**

High or low literacy levels have different impacts, notably on the individual's health and the efficiency of the health system. People with higher health literacy levels demonstrate healthier behaviours, are more adherent to treatment, report less chronic illness, feel healthier, and live longer.*

Bopp M, Minder CE (2003), Mortality by education in German speaking Switzerland, 1990-1997: results from the Swiss National Cohort; International Journal of Epidemiology; 32:346-354



... on a patient associations level

Facilitate real-life information exchange between PH patient associations and other stakeholders, and involve them in debates and discussions from the beginning

Participation in

- the creation and review of medical guidance
- steering committees for clinical trials
- scientific meetings at regulatory bodies
- advocacy activities in European and national level (eg. ERN, HTA)



Policy and decision makers at all levels should actively seek and involve patient associations to incorporate the perspectives of people living with PH

Up-to-date and reliable information

Brochure, webpage,
webinars



EMPOWER PATIENT ASSOCIATIONS

Encourage balanced financial support, including government funding, for patient associations so that they can continue to be independent.

Long term
commitment from
various sponsors

Diversified source
of fundings

Financial calls
for NGOs



PLEASE SUPPORT US, PH ASSOCIATIONS, SO WE CAN HELP PATIENTS LIVING WITH PULMONARY HYPERTENSION!

