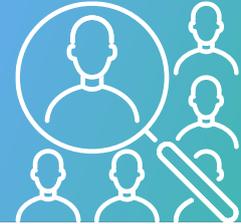


DARWIN EU® study

Co-prescribing medicines in pulmonary arterial hypertension



Why is this study needed?

Pulmonary arterial hypertension (PAH) is a rare, long-term, debilitating and life-threatening condition in which patients have abnormally high blood pressure in the arteries in the lungs. Treatment usually involves one or more types of medicines, including endothelin receptor antagonists (ERAs) and phosphodiesterase-5inhibitors (PDE5-is). More data on combined treatments are needed.



How were the results used?

This study was triggered by a scientific advice procedure, as an example of the type of studies DARWIN EU can run to support the Scientific Advice Working Party (SAWP) in its decision making. The results were positively received by SAWP even though it was made clear that the study could not be executed within the procedure's timelines.



How was this conducted?

CHMP requested the [study](#) to understand current practice of such combined treatments and unmet medical needs.

The study looked at patients with newly diagnosed PAH to understand medical conditions and treatments, how patients are treated with ERAs and PDE5-is and how many end up in hospital or die. The study used data from 4 European countries.



Why do these results matter?

Better understanding of how these therapies are used in routine clinical care can help guide the development of future treatments.

More information



<https://catalogues.ema.europa.eu/>

© European Medicines Agency, 2026

Reproduction is authorised provided the source is acknowledged. For any use or reproduction of images or other materials that are not under the copyright of the European Medicines Agency as specified subsequently, permission must be sought directly from the respective copyright holders. The indicated images or other materials are copyright protected and have been licensed by the European Medicines Agency via Adobe Stock, Dreamstime or iStockphoto, as shown respectively in the credit lines of each image or other material.



www.ema.europa.eu

An agency of the European Union

