







Old Spanish proverb

"If you do not repair your gutter, you will

have your whole house to repair.

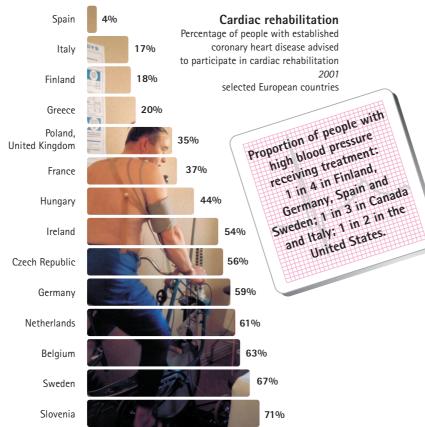
In 1931, Paul Dudley White noted that there was no specific treatment for coronary heart disease. He described the treatment of high blood pressure as "difficult and almost hopeless". Today, effective and relatively inexpensive medication is available to treat nearly all cardiovascular diseases, including high blood pressure.

Improvements in surgical techniques have led to safer operations. Effective devices have been developed, such as pacemakers, prosthetic valves, and patches for closing holes in the heart. Other developments have led to a wide array of interventions that often make surgery unnecessary.

Together, these advances in treatment improve quality of life and reduce premature death and disability. They also add to the rising costs of health care. Increasingly, high-technology procedures are chosen over less expensive, but nevertheless effective, strategies.

In addition, marked disparities in the quality of treatment can be seen in groups of different race, ethnicity, sex, and socioeconomic status. In essence, many patients who could benefit from treatment remain untreated, or inadequately treated. In future, increased emphasis needs to be placed on the appropriate use of proven treatments for everyone with coronary heart disease or stroke.

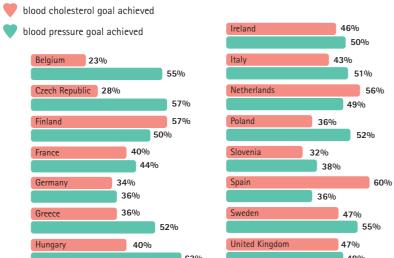
Treatment



Patients reaching blood pressure and blood cholesterol goals during treatment

Percentage of people aged 70 years or below with established CVD who achieve blood pressure goal of less than 140/90 mmHg, or blood cholesterol goal of less than 5.0 mmol/l 2001

selected European countries



Types of treatment

Selected medication, devices and operations

Medication used in treatment of

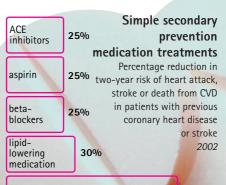
- 1 High blood pressure
- 2 Coronary heart disease
- 3 Heart failure
- 4 Arrhythmia (heart rhythm disorders)
- 5 Blood clotting disorders

Devices

- 1 Pacemakers
- 2 Implantable defibrillators
- 3 Coronary stents
- 4 Prosthetic valves
- 5 Artificial heart

Operations

- 1 Coronary artery bypass
- 2 Balloon angioplasty
- 3 Valve repair and replacement
- 4 Heart transplantation
- 5 Artificial heart operations



Worldwide, treatment of cardiovascular diseases and their risk factors remains inadequate for most patients.

all four drugs



