

CHRONIC
DISEASES



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THE FIGHT AGAINST CHRONIC DISEASES

The government's attempts to combat chronic diseases include epidemiological surveillance and information campaigns for professionals and the general public. The national "Ma santé 2022" strategy provides for the creation of care pathways that ensure the quality and relevance of care, in particular for chronic diseases. It is important to bear in mind that these illnesses are 100% covered by the social security system. (Santé Publique; Solidarité-Santé; Ameli)

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DIABETES IN FRANCE: KEY FIGURES

Diabetes affects approximately 3.5 million adults resulting in nearly 70,000 hospitalizations for various complications. France is the second country in Europe in terms of money spent on tackling diabetes, with US\$16.9 billion in 2019, and the seventh worldwide (ninth in 2017). Compared with the number of patients, this expenditure amounts to US\$4,858 per person, a higher figure than that of Germany (US\$4,600). (Diabetes Atlas; Santé Publique)

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COMPANIES PRESENT AT EVERY STAGE OF THE TREATMENT PROCESS

In terms of illness prevention, Valbiotis is developing a herbal health supplement that reduces risk factors, while Impeto Medical has designed a device to detect the risk of diabetes. Moreover, Sanofi and Servier are developing anti-diabetic treatments, FeetMe has designed a connected insole to prevent foot ulcers, Evolucare is developing a solution for the diagnosis and monitoring of diabetic retinopathy and DinnoSanté specializes in home-based care. (French Healthcare)

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NATIONAL COORDINATION TO DEAL WITH COVID-19

In the space of two weeks, French diabetologists have set up as part of the CORONADO project, a national network made up of 68 diabetes centers. They carried out the first global study to characterize the profile of diabetic patients hospitalized for Covid-19 in order to improve their treatment and care. (CHU-Nantes)

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HEPATITIS IN FRANCE: KEY FIGURES

The prevalence of chronic hepatitis B and C in 2016 was estimated at around 0.30%, or nearly 135,000 individuals for each of these illnesses, with undiagnosed sufferers amounting to 82% and 19%, respectively. (Santé Publique)

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RESEARCH IN THE FIGHT AGAINST HEPATITIS

France has a long history of research in the field of hepatitis, with Tours University Hospital developing the first vaccine against hepatitis B in 1981 (Réseau CHU). At the Institut Pasteur in Paris, the Dendritic Cell Immunobiology Unit is leading a project on the spontaneous cure of acute hepatitis C, while other teams are working on a vaccine candidate for chronic carriers of the hepatitis B virus. (Institut Pasteur)

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BIOTECH AND RESEARCH

Enyo Pharma, which raised €40 million in 2018, is developing a curative treatment for chronic hepatitis B inspired by the functioning of the virus in the body (Enyo Pharma). ViroCoVax is developing hepatitis C virus vaccine candidates that exploit genetically engineered modifications of the hepatitis B virus. (ViroCoVax)

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CARDIOVASCULAR DISEASES IN FRANCE: KEY FIGURES

Over one million people were hospitalized in 2016 for cardiovascular disease. In terms of mortality, France is ranked among the best countries in the OECD, with the third lowest mortality rate from heart attacks (38%) after Japan (31%) and Korea (35%), and second lowest stroke mortality (35%) after Switzerland (33%). (Santé Publique; OECD)

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WILLINGNESS TO TAKE ACTION IN AN EMERGENCY

France has nearly 200,000 automated external defibrillators (AEDs), which are used for emergency resuscitation of victims of cardiac arrest. This figure will reach one million by 2021 thanks to the implementation of the law of June 29, 2018 which makes it a legal requirement for companies open to the public to be in possession of this equipment (Santé Publique; Solidarité-Santé; Les Échos). A few startups have specialized in improving the use of defibrillators; "With one gesture" offers training to companies to learn how to use this device using virtual reality, while Lifeaz has made it readily available for people at home.

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FIRST-CLASS EXPERTISE AND RESEARCH

France boasts several world firsts in the field of cardiology: in 2019, Lille University Hospital performed the first cardiac surgical procedure without having to open the thorax or the heart; the COREYE project at Lyon's Croix-Rousse Hospital is working to predict cardiac dysfunctions from simple ophthalmological analyzes; and The Paris-Seine Institute of Biology is working on a repair patch for myocardial failures. (Réseau CHU; FFC)



#2

WORLDWIDE

for the number of clinical trials in gene therapy and oncology



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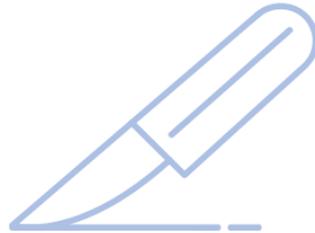
NOBEL PRIZES

in medicine and nearly 130 cancer research projects



France has **the second lowest** stroke mortality rate among OECD countries

(SANTÉ PUBLIQUE; OECD)



#1

cardiac surgical procedure without having to open the thorax or the heart carried out in 2019

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