

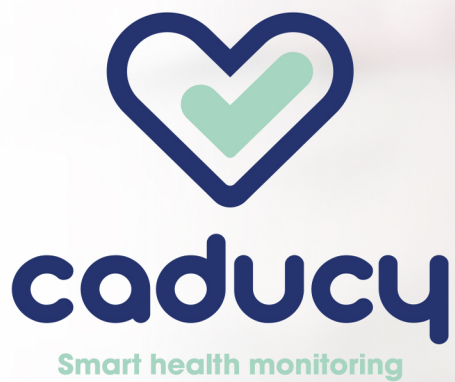


**Unique in Europe, Caducy is a solution allowing a digital clinical examination to be performed,** it can be integrated onto teleconsultation platforms.

## PRESS KIT







→ Caducy appears as a **revolutionary solution** in the e-health industry:



Measurement of  
4 physiological variables



Ease  
of use



Non invasive  
(contactless)



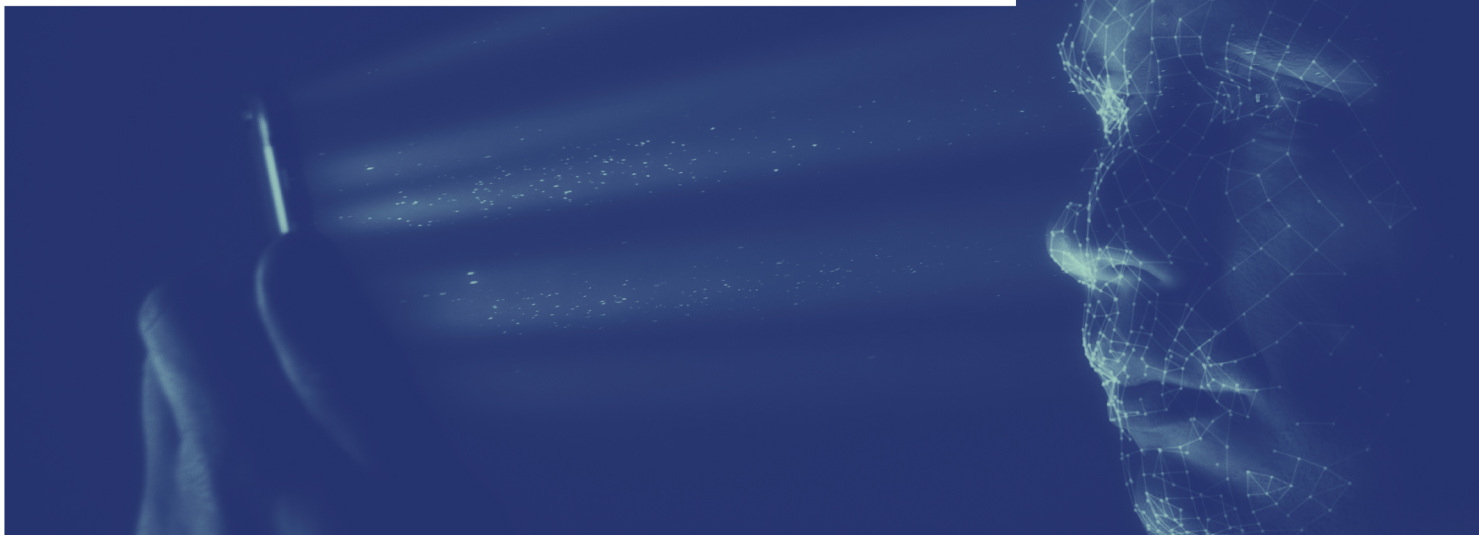
Accessible anywhere  
with a camera



Medical  
guarantee

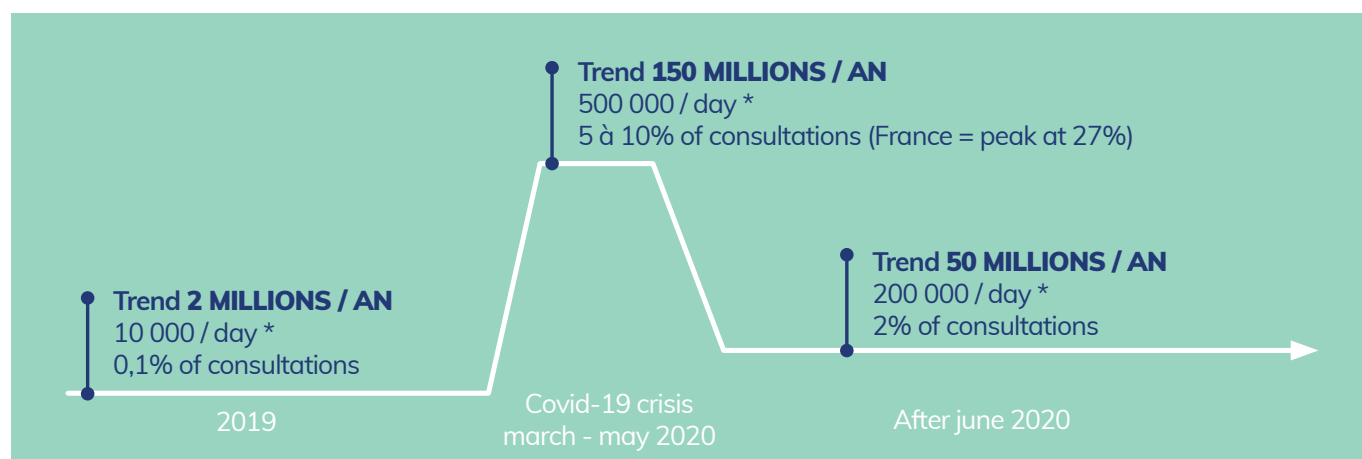


Robust





In 2019, teleconsultations represented around 0.1% of medical consultations in Europe. The Covid-19 crisis has drastically accelerated their growth, going from 5% to 10% of total consultations between March and May 2020. **Teleconsultation has, in fact, clearly become necessary** in order to limit the progression of the virus.



According to the **National Council of the Order of Physicians**, one of the main obstacles to the use of teleconsultation is the inability to perform the clinical examination that can be done in an office.

Even though solutions to measure these variables at home exist, they still have several drawbacks:



A pioneer in the contactless offer, **i-Virtual** aims to bring to the telemedicine world the bricks missing for its full integration into new lifestyles and thus exceed certain limits of its online service.

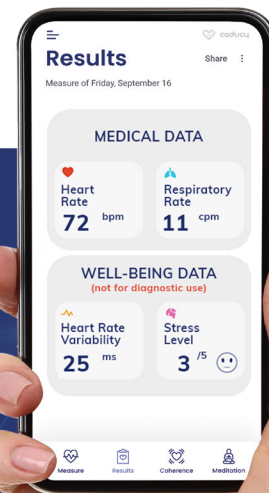
<sup>1</sup> Sources: [www.ameli.fr](http://www.ameli.fr) for France. Calculated on 21 of the 28 member countries of the EU (equivalent to 412million inhabitants out of 447 EU)

<sup>2</sup> Sources: Le Livre Blanc du Conseil national de l'Ordre des médecins, January 2015

\* Calculated according to our estimates, no consolidated statistics at European level



## OUR SOLUTION



### The 4 vital parameters measured:



Heart rate (HR)



Heart rate variability (HRV)



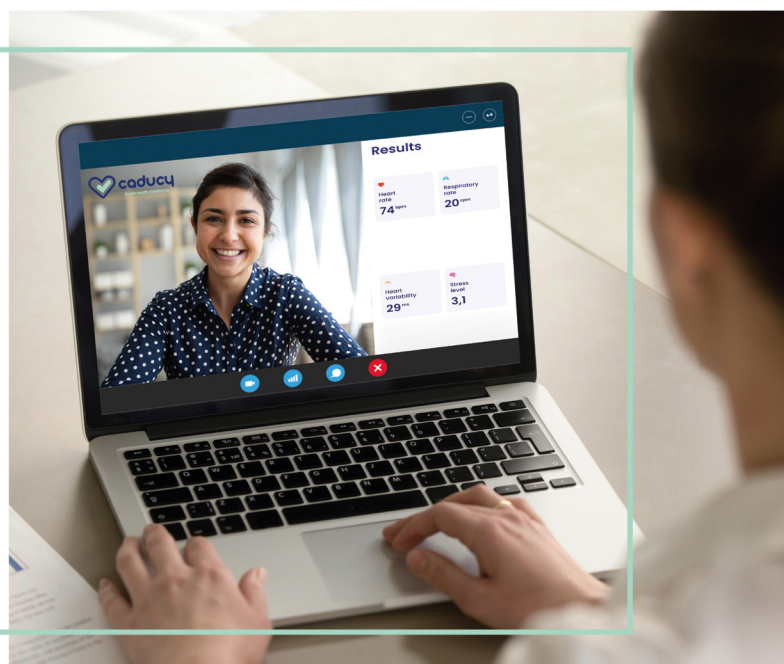
Respiratory rate (RR)



Stress level

## APPLICATIONS

This tool is available on all computer devices and phones with a camera, via a mobile application or directly integrated as an white label API.





## A MEDICAL DEPOSIT

Caducy is the result of **5 years of research and development**. Initially, **Professor Pruski**, whose research aims to help people with autism, joined forces with **PhD Moussaoui**, who is passionate about algorithms. The merging of their areas of expertise has made possible to develop a model of apprehending scenes of everyday life through virtual reality. Because they wanted to adapt these simulations to patient conditions, such as stressful situations, they decided to develop a non-contact heart rate measurement tool: this is the genesis of Caducy.

It incorporates new **algorithms for stabilization, filtering and image processing**, to make the system less sensitive to movements and fluctuations in lighting.

Used by several physiology research laboratories, Caducy is the subject of clinical studies, including one on a sample of more than **1000 patients** at the university hospital center of Nancy.

## AN INTUITIVE TOOL

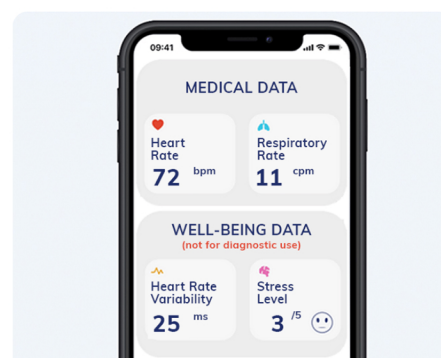
The ease of operation of Caducy allows people to use it independently.



Just sit back  
and relax



Take a selfie for about  
30 seconds to a minute



Immediately check  
the results

## THE TECHNOLOGIES

Caducy innovation is based on the combination of the most advanced techniques:



Contactless  
photoplethysmography



Artificial  
Intelligence



Computer  
vision



Signal  
processing

# OUR PARTNERS



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