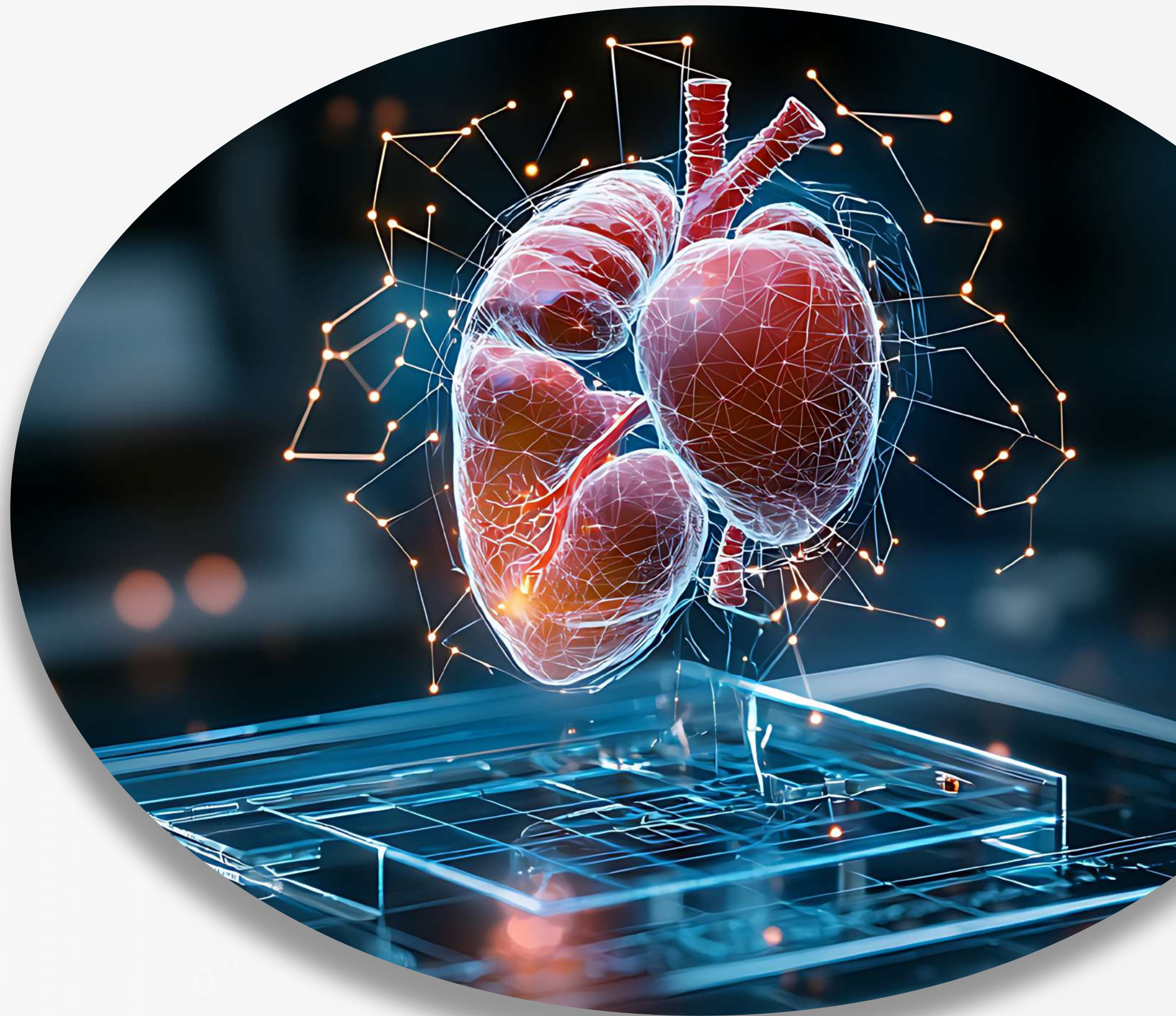


tiga



A Smarter Approach for  
Treatments:

**The Chronic Disease  
Management System**



Chronic diseases continue to impact millions; with projections of the World Health Organization, these diseases could cause **86%** of annual deaths by 2050! These diseases, shaped by genetic, environmental and behavioral factors, present daily challenges for patients and strain healthcare facilities. These dangers lead us to a crucial question:

**Can healthcare IT improve the management of chronic diseases?**  
*The answer lies in our Chronic Disease Management System!*

Chronic and noncommunicable diseases demand consistent monitoring and effective management. Only through digital transformation in healthcare can healthcare professionals and providers efficiently acquire these skills and ensure continuity of care, overcoming challenges like distance and inefficiency.



A recent report by the World Health Organization (WHO) and International Telecommunication Union (ITU), '*Going Digital for Noncommunicable Diseases: The Case for Action*,' highlights the notable impact of digital health in chronic disease management.



will be saved

More than

**2**

**MILLION  
LIVES**

More than

**7**

**MILLION ACUTE  
EVENTS AND/OR  
HOSPITALIZATIONS**

will be averted



More than

**199**

**BILLION IN  
ADDITIONAL  
ECONOMIC  
BENEFITS**

While these hopeful predictions are generalizable, it's vital to remember that each patient is different, as are their disease and treatment journeys. Accordingly, related systems must be developed by considering this principle of individuality. For a concrete example, in Ireland, *the Structured Chronic Disease Management Programme* requires general practitioners to develop and update a care plan for each patient at every visit. This way, required proactivity levels of treatments are acquired and the patient agrees to the necessary actions. Related case reports highlight that digital tools are crucial for managing this process, as they facilitate the challenging details in documentation and tracking.

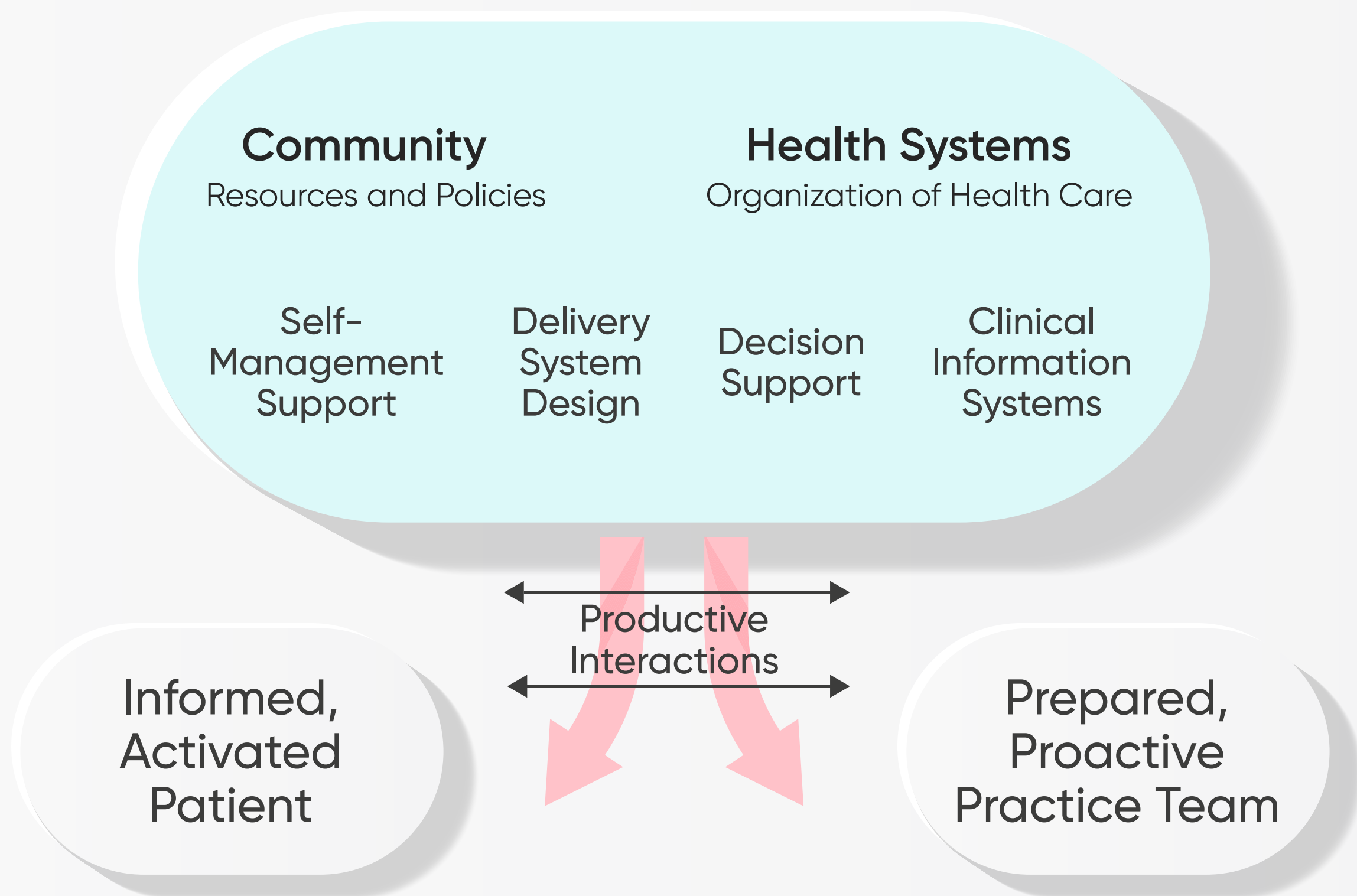
Luckily, our Chronic Disease Management System guarantees personalized, evidence-based methods customized to unique situations and individual needs. This approach also aligns with the European Parliament's '*Report on Noncommunicable Diseases*,' emphasizing the importance of integrated care and patient-centered approaches.



As a shining example, our system empowers healthcare professionals with national guidelines and tailored treatment plans. Developing a user-friendly structure facilitates monitoring and care plan adjustments, all supporting intrusive and non-intrusive patient care and continuity of care plan management.

Our system is associated with internal and external systems for enhanced interoperability for better outcomes, ensuring data integrity while creating guidelines based on national healthcare principles and standards. This powerful and comprehensive data pool encompasses a variety of diseases, leading to actionable and easily accessible treatment plans.

## The Chronic Care Model



*(Reynolds and Dennis, 2018, 2)*

*Further, our system was developed with an inclusive guiding principle, the Chronic Care Model (CCM), for preventive measures and improved treatment effectiveness. Inspired by this innovative model to enhance chronic care quality through productive interactions between healthcare providers, patients and the healthcare system, our Chronic Disease Management offers comprehensive care plans for a diverse array of conditions, such as:*

- Non-communicable diseases (NCDs) like diabetes, cancer and cardiovascular diseases
- Chronic conditions
- Occupational health concerns
- Disabilities
- Mental health needs
- Congenital disorders
- Even communicable diseases like tuberculosis!



*The Chronic Disease Management System is proving to be effective! So, how does this system ensure the reduction of the burden of chronic disease? Let's discover its innovative features:*

- Chronic Disease Management in One Center
- Care Management with National Guidelines
- Personalized Treatment Suggestions
- Treatment Tracking
- Automated Data Analysis
- Improved Disease Screening & Monitoring
- Comprehensive National Disease Registry Data Collection
- Risk Assessments
- Performance Tracking
- Cost & Time Efficiency
- Preventive Health Strategies
- Effective & Efficient Healthcare Delivery





We can build a future where chronic disease management leads to improved outcomes and fewer cases of these diseases.

*Let's Shape the Future Together, As Always!*

## Resources:

European Parliament. '*Report on Noncommunicable Diseases.*' 2023.

Health Service Executive. '*The Second Report of the Structured Chronic Disease Management Treatment Programme in General Practice.*' Dublin: Health Service Executive, 2023.

Rebecca Reynolds, Sarah Dennis, Iqbal Hasan, et al. '*A Systematic Review of Chronic Disease Management Interventions in Primary Care.*' BMC Family Practice 19, no. 1 (2018).

The World Health Organization (WHO) and International Telecommunication Union (ITU). '*Going Digital for Noncommunicable Diseases: The Case for Action.*' 2024.