Chronic Disease Management Solutions
ScienceSoft is an international IT company, an expert in design, development and delivery of healthcare IT solutions.
Chronic Diseases: Challenge

49.8% (or 117 million) have 1 or more chronic conditions

Number of chronic conditions: 0 1 2 3+

Over the next 15 years, 80% of the U.S. population will experience one or more chronic conditions, costing society more than $42 trillion
Chronic care management is linked with the **risks** of:

- Interrupted care cases
- Lack of patient-caregiver communication between appointments
- Lack of patient engagement

**COMPLICATIONS & EXACERBATIONS**
EHR-connected chronic disease management solution consisting of the following components:

1. Chronic Disease Management System (CDMS)
2. Mobile application
3. Data analytics and reporting
Solution Architecture

- **Notifications**
  - Medical staff

- **Personalized information**

- **EHR**
  - Data Analytics

- **CDMS**

- **MOBILE APP**
  - Patient-generated health data
Chronic Disease Management System

**Central system** that deals with a number of chronic conditions

- Processing data received from the EHR and a patient
- Analyzing health data
- Alerting care team members or a patient

**2 implementation options:**
- Microsoft Dynamics CRM-based development
- Custom solution development
Mobile App

Data flows

- Instructions (e.g., medication intake scheme)
- Recommendations
- Reminders

- Subjective (e.g., pain, fever)
- Objective (e.g., blood pressure, glucose level)
- Medication intake data

Key caregiver-patient communication point
Specialized mobile app for each chronic condition:

- Diabetes
- Asthma
- Cardiovascular disease
- Chronic obstructive pulmonary disease (COPD)
- Behavioral disorders

Implementation: Cross-platform application based on Xamarin
Data Analytics and Reporting

DATA ANALYSIS

- Central clinical data warehouse
- Dedicated chronic disease analytical system

DATA

REPORTS & CHARTS
In Practice: Diabetes Management

- Personal treatment plan
- Mobile app
- Daily glucose, blood pressure, diet, medication intake etc.
- EHR
- Physician
- Notifications
**Benefits**

- **Systematic uninterrupted care**
- **Advanced patient engagement**
- **Reduced risk of complications and readmissions**

- **Ongoing patient-caregiver communication**
Our Services

1. Business analysis
2. Solution design
3. Customization
4. Deployment & integration
5. Maintenance

FULL-CYCLE DEVELOPMENT SERVICES
How to Start

1. Contact us
2. Get a workshop
3. Get a proof-of-concept of your chronic disease management solution
Let’s Keep in Touch!

SCIENCESOFT USA
5900 S. Lake Forest Dr., Suite 300
McKinney, TX 75070, USA
Phone: +1 214 306 68 37
Email: contact@scnsoft.com
Web: www.scnsoft.com

Learn more about CHRONIC DISEASE MANAGEMENT