

# Innovative ICT for patient empowerment and self-management for patients with type 2 diabetes mellitus

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- ProEmpower
- English



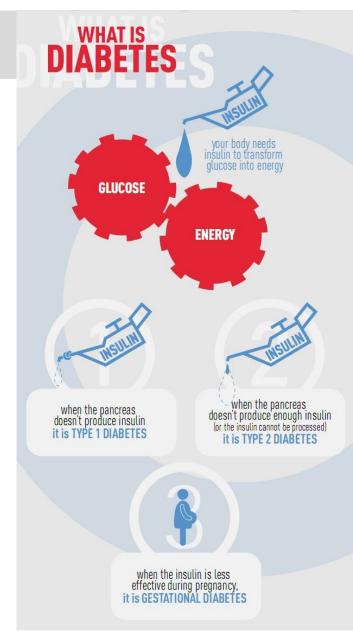
- SC1-PM-12-2016 PCP eHealth Innovation in Empowering the Patient
- Turkey, Portugal, Spain, Italy, Germany, Bulgaria





### What is diabetes

 Diabetes mellitus is a chronic, life-long, rising and very broad disease accompanied by many comorbid conditions, complications and stages.

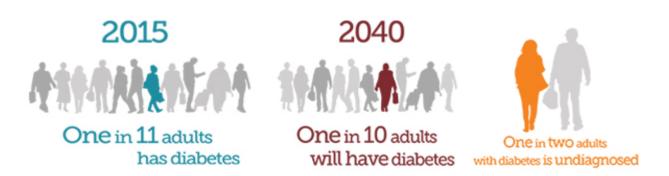


Source: International Diabetes Federation. IDF Diabetes Atlas, 7 ed. Brussels,
Belgium: International Diabetes Federation, 2015.



## Why diabetes?

- The procurers' care systems are also facing an increasing prevalence of diabetes. The disease is expected to grow globally from 8.8% in 2015 to 10.4% in 2040 if no effective counter measures are put in place.
  - Diabetes is seen more and more in younger years,
  - but is also increasing among older people, with the age group 80+ seeing a strong onset of diabetes.

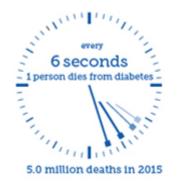


Source: International Diabetes Federation. IDF Diabetes Atlas, 7 ed. Brussels, Belgium: International Diabetes Federation, 2015.



### The costs of diabetes

- The costs associated with diabetes include increased use of health services, loss of productivity and disability.
  - As a result, diabetes imposes a large economic burden on individuals and families, national health systems and countries.
  - Diabetes treatment accounts for 12% of healthcare spending.





Source: International Diabetes Federation. IDF Diabetes Atlas, 7 ed. Brussels, Belgium: International Diabetes Federation, 2015.



### Unmet need

- Healthcare systems worldwide are re-active and fragmented.
- Fragmentation leads to gaps in treatment.

- Personalized care:
   Replacing reactive care
   with proactive and timely delivery of support employing risk stratification.
- Multi-disciplinary care: adopting a team-based approach with strong coordination of all actions.



### Unmet need

- Overreliance on pharmacotherapy is proving insufficient.
- Medication fails if patients do not change their lifestyle.
- Lacking patient ownership: responsibility is delegated to doctors.

- Person-centered care: Giving the patient the steering wheel and enabling ownership.
- Self-management support: Educating patients to selfmanage a healthier lifestyle.
- Changing life style & nutrition effectively impedes diabetes.
- Self-help & peer support:
   Creating a supportive environment that reduces external barriers for healthy lifestyles and coping with the disease.



### Unmet need

- Ineffectiveness of current treatment of diabetes patients
- Patients have diabetes for12 years before diagnosed
- Much too frequent
   occurrence of severe long
   term consequences
   including amputation,
   blindness and renal failure
   as well as death

- Early detection: actively detecting people with diabetes or pre-diabetes
- Personalized decision support: Setting the goals of diabetes care and then deciding which treatments are optimal requires patients and physicians to weigh multiple factors
- A learning healthcare system: creating a qualityoriented culture that continuously improves itself



### Our vision

- Procure a continuous disease self-management solution that will make person-centered care a reality.
- We found the market to offer only partial solutions with lacking integration into healthcare processes.





# The PCP roadmap



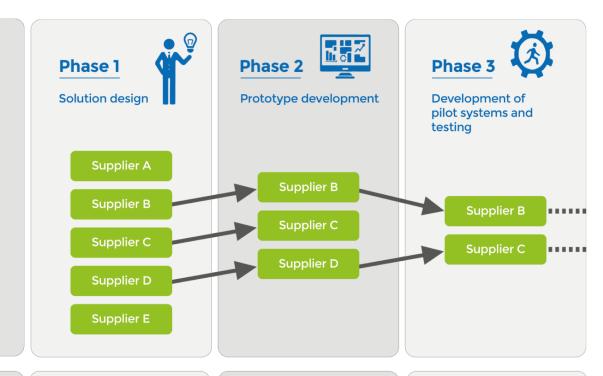
Market sounding

Consultation webinar

Industry consultations in Lisbon Napels Istanbul Sofia

### **Call for tender**

Call open for industry participation



May - Jun 2017

Murcia

Aug - Nov 2017

Jan - Mar 2018
3 months
€450k industry budget

Apr - Nov 2018 8 months €900k industry budget Dec 2018 - Feb 2020 15 months €1,650k industry budget



### Who we are

- We are procurers from four regions in Europe.
- We care for 12 million diabetes patients



Türkiye Cumhuriyeti Sağlık Bakanlığı, Turkey



Servicio Murciano de Salud, Spain



Soggetto Aggregatore della Regione Campania, Italy



Servicos Partilhados do Ministerio da Saude Epe, Portugal



### Who we are

 Supported by a team of researchers, consultants and healthcare providers



















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TheUnConvention.com



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- http://www.proempower-pcp.eu/
- http://ted.europa.eu
- Open Market Consultations:
  - 24 May 2017, Murcia ES
  - 29 May 2017, Lisbon PT
  - 31 May 2017, Ankara TR
  - 6 June 2017, Naples IT
  - 8 June 2017, Webinar



# Thank you for your attention! <a href="mailto:ozan.beyhan@saglik.gov.tr">ozan.beyhan@saglik.gov.tr</a>

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