Integrated Solutions for people living with diabetes

Maëva GERME
Sanofi Diabetes
Diabetes: a significant Public Health Issue

Diabetes affects 1 in 12 people worldwide. Only 1 in 2 people with diabetes know they have it.


Every 7 seconds, 1 person dies from diabetes. In 2014, 4.9 million deaths were attributed to diabetes.

The global prevalence of diabetes is 8.3%. By 2035, it is expected to increase by 205 million people.

Macrovascular Complications:
- The risk of stroke in newly treated type 2 diabetes patients is more than double that of the general population.
- People with diabetes are two to six times more likely to develop cardiovascular disease than people without diabetes.

Microvascular Complications:
- Damage to the kidney filtering systems from diabetes (diabetic nephropathy) is a leading cause of kidney failure.
- Microvascular damage to the retina from diabetes (diabetic retinopathy) is a leading cause of blindness.
- Damage to the nerves from diabetes (diabetic neuropathy) is a leading cause of foot wounds and ulcers, which frequently leads to foot and leg amputation.

Positively impact the lives of millions of people by leveraging our heritage in diabetes and CVD to deliver innovative, value-based medicines and solutions.

- **Innovative portfolio and integrated solutions to best serve patient needs**
- **Preferred customers experience for better outcomes**
- **Best-in-class teams and excellence in execution**
Be He@lthy, be mobile (mDiabetes)

Joint WHO and ITU program, using mobile technologies to improve NCD prevention, treatment and care

Multi-sector partnership

• People at risk:
  • Prevent diabetes
• People with diabetes:
  • Support self-management
  • Prevent complications
  • Preserve QoL
• Healthcare professionals:
  • Trainings to improve diabetes care

Pilot in Senegal

• 1st mRamadan campaign completed in Q2 2014
  • More than 2,000 participants
  • 80,000 SMS sent
• 2nd mRamadan campaign completed in Q2 2015
  • 11,000 participants (+65% compared to 1st year)
  • Over 300,000 SMS sent
• Evaluation of the program ongoing
• Roll-out in other countries planned in 2016

Key outcomes
**e-Diabete: Diabetes HCP Training**

A partnership with:

- **unfm**
- **RAFT network**
- **SANOFI**
- **Senghor University**

A unique large scale **e-training program** via low-speed internet-based technology, with the participation of local and international diabetes experts.

An **African solution to an African problem** for the benefit of African patients.

A web site **“e-diabete.org”** & development of new communication tools.

- **22 Sub-Saharan African countries**
- **A sustained attendance** → **1,000 participants** on a monthly basis.

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*OF PEOPLE WITH DIABETES ARE UNDIAGNOSED IN SUB-SAHARAN AFRICA*
1st connected device offering patients with diabetes personalized treatment advice between consultations

Managing diabetes is often a complex daily challenge for patients.

Large numbers of patients need effective solutions to help manage their diabetes.

Around 50% of patients do not reach blood sugar targets and are at greater risk of complications.\(^{1-3}\)

**CONNECTED Device**

**PATIENTS**

Smartphone app with real-time treatment suggestions

**Telemonitoring Service**

**DOCTORS**

Patient dashboard with automated analytics

**NURSES**

Remote monitoring platform

Digital Health for Healthy Lives and Wellbeing for All
A high-level Policy Dialogue on Digital Health
Sanofi collaboration with Google Life Science to improve diabetes health outcomes

Leadership in diabetes treatments and devices

Expertise in analytics, miniaturized electronics and low power chip design

Develop new tools and kinds of interventions to collect, analyze and understand multiple sources of information impacting diabetes

Make it easier for patients to successfully manage their diabetes, reducing the risk of complications, improving outcomes and ultimately lowering costs.

"As a global leader in diabetes care, we have both an obligation and a commitment to provide integrated solutions for people living with diabetes. This initiative combines Sanofi's strength and knowledge in diabetes with Google's leadership in technology and analytics to create a first-of-its-kind initiative with the potential to transform diabetes care."

Olivier Brandicourt, MD, Chief Executive Officer, Sanofi.
Conclusion

Strive to shift from episodic, event-driven diabetes care to continuous, value-based care

- Working together on new digital technology and tools for diabetes
- Provide patients with more self-management tools
- Give healthcare professionals ability to better support and treat patients