

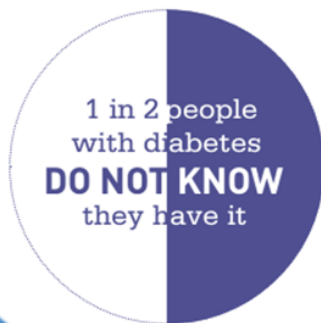


# **Integrated Solutions for people living with diabetes**

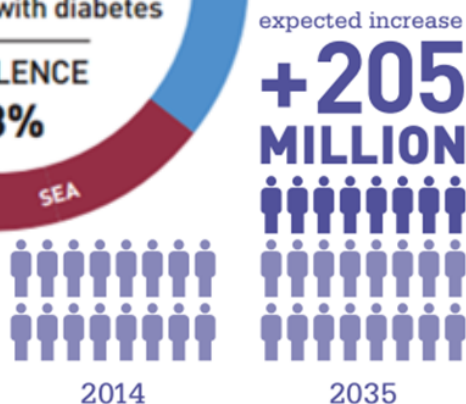
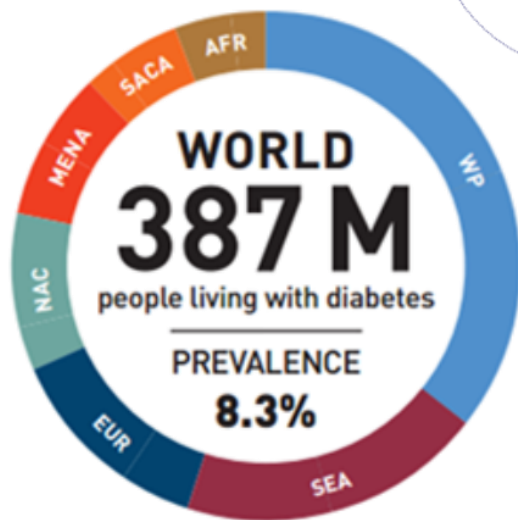
Maëva GERME  
Sanofi Diabetes

# Diabetes: a significant Public Health Issue

**1/12**  
people with  
**DIABETES**



**1** healthcare  
**in 9**  
**IS SPENT ON DIABETES**  
In 2014 diabetes expenditure  
reached US\$612 billion



## Macrovascular Complications<sup>12</sup>



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<sup>14</sup>



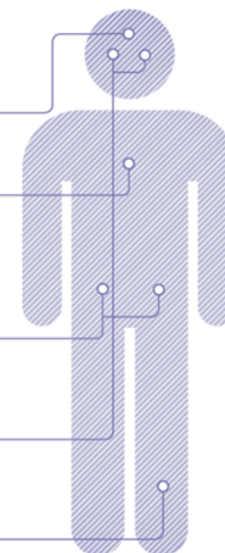
Damage to the kidney filtering systems from diabetes (diabetic nephropathy) is a leading cause of kidney failure



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



IDF Atlas 6th Edition. 2014

# Sanofi Diabetes & Cardiovascular

## OUR COMMITMENT



A global  
healthcare  
leader

focused on  
patients' needs

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



## Key outcomes

### Pilot in Senegal



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



# e-Diabetes: Diabetes HCP Training

A partnership with :



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-diabetes.org**” & development of new communication tools

**22 Sub-Saharan African countries**

A sustained attendance  
→ **1,000 participants**  
on monthly basis



Brazzaville (Congo)



Yaounde (Cameroon)

\*www.idf.org 2015





# 1st connected device offering patients with diabetes personalized treatment advice between consultations

Managing diabetes is often a complex daily challenge for patients

Around 50% of patients do not reach blood sugar targets and are at greater risk of complications<sup>1-3</sup>



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



**CONNECTED Device**



## PATIENTS

Smartphone app with real-time treatment suggestions



## 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  
Geneva, 23-24 May 2016



# 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 lower 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.

Digital Health for Healthy Lives and Wellbeing for All

A high-level Policy Dialogue on Digital Health

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# Conclusion

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**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**

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