TOKYO – MOBILE HEALTH PER PAZIENTI DIABETICI

LUCA CHIOVATO



DIALBETICS: A NOVEL SMARTPHONE-BASED SELF-MANAGEMENT SUPPORT SYSTEM FOR TYPE 2 DIABETES PATIENTS

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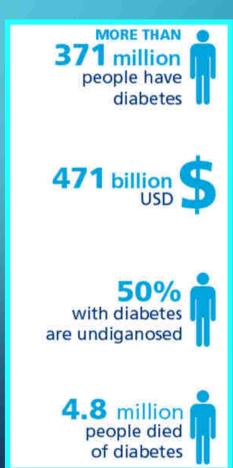


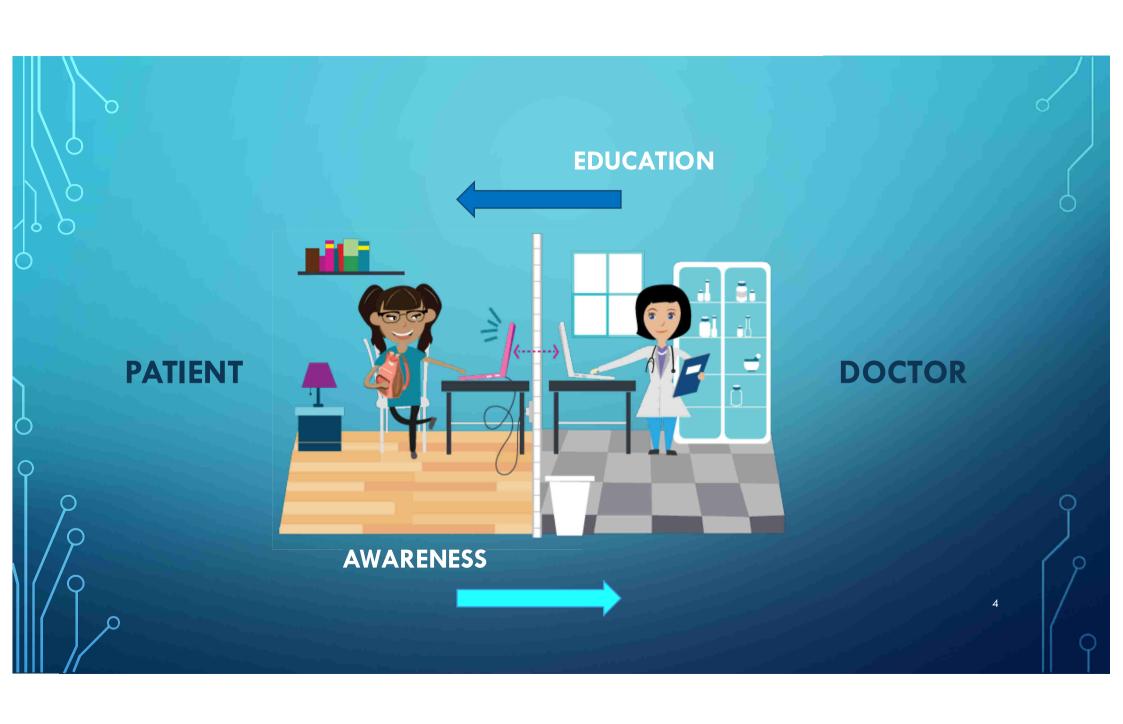
INTRODUCTION

ITALY

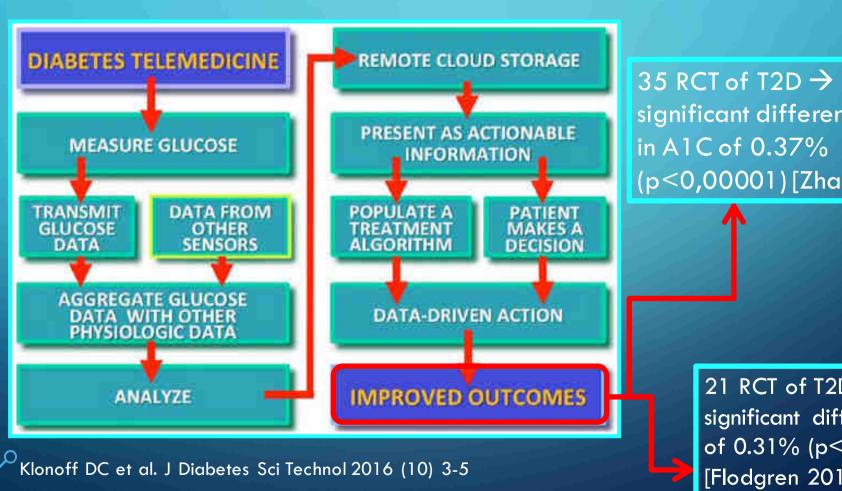
ALL OVER THE WORLD

- 3.9 million Italian adults have diabetes, tmaking
 8.8% of the total population
- Ongoing epidemic with an estimated <u>4.48</u> million adult citizens with diabetes in 2030
- Only <u>10%</u> of diabetic people achieve the target for glycemia, cholesterol and blood pressure
- √ 27.393 Italian citizens die from diabetes every year, this is 3 citizens every hour
- Type 2 diabetes, accounting for <u>90% of</u> all diabetes in Italy, decreases life expectancy by <u>5-10 years</u>
- Diabetes costs the Italian healthcare budget <u>9%</u> of its resources. This is over <u>9.22 billion EUR€</u> a year or <u>1.05 million EUR</u> every hour





SELF-MANAGEMENT

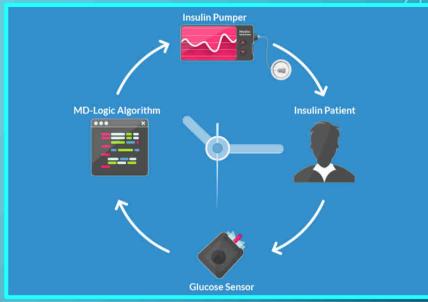


significant difference (p<0,00001)[Zhai 2014]

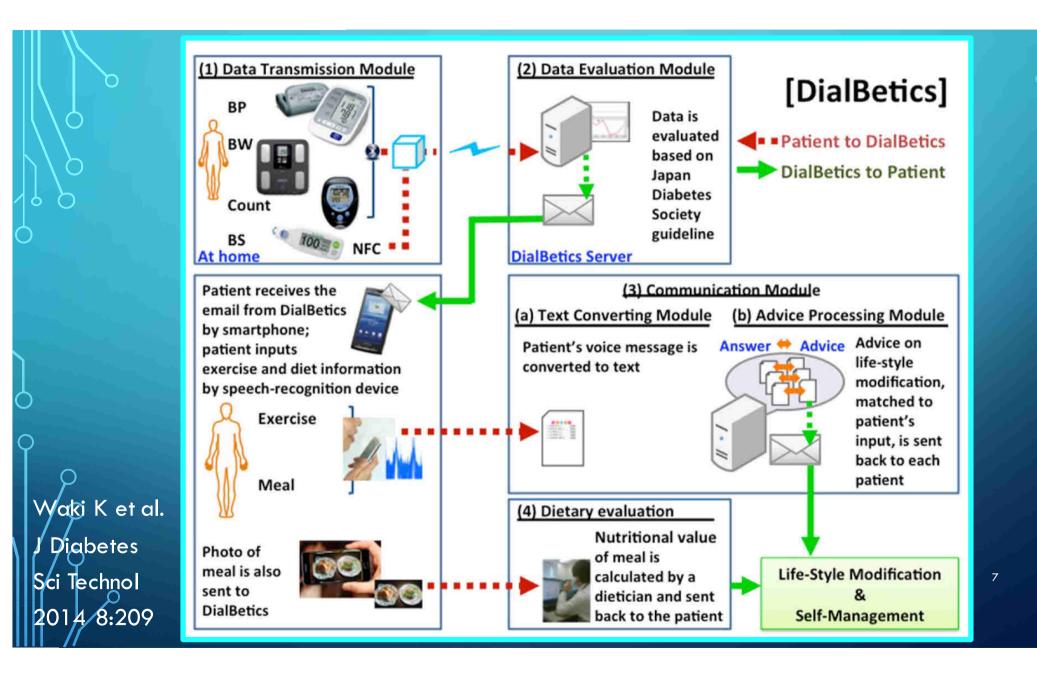
> 21 RCT of T2D \rightarrow significant difference in A1C of 0.31% (p<0,00001) [Flodgren 2015]

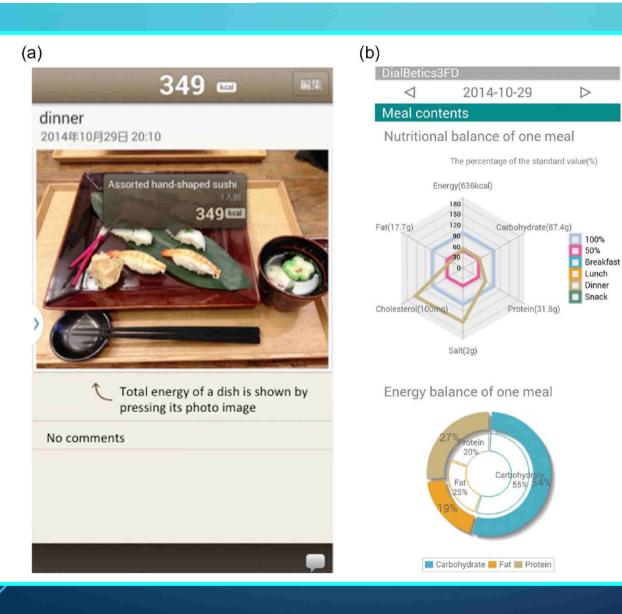
✓ SENSOR-BASED TELEMEDICINE

✓ NON-SENSOR-BASED TELEMEDICINE









DIETARY EVALUATION OF DIALBETICS ASSISTED BY FOODLOG

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BASELINE CHARACTERISTICS OF THE CLINICAL TRIAL POPULATION BY STUDY GROUP

	DialBetics group (n = 27)	Non-DialBetics group (n = 27)
8.6-9.5%	-3	2
7.6-8.5%	4	6
7.1-7.5%	4	2
≤7.0%	16	17
Age (years)	57.1 ± 10.2	57.4 ± 9.4
Sex		
Female	7	6
Male	20	21
Smoking		
Yes	4	10
No	23	1.7
Years with diabetes	9.6 ± 7.0	8.5 ± 8.0
Body mass index (kg/m²)		
≥30	6	5
25.0-29.9	7	9
≤24.9	14	13
Comorbid conditions		
Hypertension	13	15
Lipid disorders	12	19
Atherosclerotic diseases	8	5
Microvascular diseases	4	8
Medication treatment regimer	i	
No medication	7	6
Oral hypoglycemic alone	13	20
Injectable noninsulin alone	4	0
Injectable noninsulin and oral hypoglycemic	; 3	I

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