

Supplementary Table 1. Percentage of patients reaching individualized glycemic targets based on age, duration of T2DM, and presence of comorbidities (Red-GDPS criteria)

	HbA1c glycemic target	2007	2008	2009	2010	2011	2012	2013	Change 2007-2013 (95% CI)
Patients with HbA1c values, N		166,388	177,291	193,467	209,022	226,452	241,664	255,553	
Age >75 years	≤8.5%	88.7	88.1	88.2	89.2	89.6	88.2	89.0	0.30 (-0.06 to 0.66)*
Age 66-75 years									
<i>With comorbidities or serious complications**</i>	≤8.5%	84.7	84.3	83.5	84.7	84.5	83.3	84.1	-0.60 (-1.39 to 0.19)*
<i>Without comorbidities or serious complications; T2DM duration >15 years</i>	≤8.0%	73.4	70.9	71.1	73.0	73.2	71.3	72.6	-0.80 (-3.32 to 1.72)*
<i>Without comorbidities or serious complications; T2DM duration ≤15 years</i>	≤7.0%	58.8	56.4	56.2	59.6	60.6	57.9	61.5	2.70 (2.01 to 3.39)
Age ≤65 years									
<i>Duration >15 years, or <15 years with comorbidities or serious complications</i>	≤8.0%	69.7	67.9	67.4	68.7	68.3	67.0	68.1	-1.69 (-0.70 to -2.69)
<i>Duration <15 years without comorbidities or serious complications</i>	≤7.0%	53.4	51.6	50.8	53.9	55.1	52.7	54.9	1.50 (0.97 to 2.03)

*The CI contains the null change (0) and therefore it is not statistically significant

** The following conditions were considered as comorbidities or serious complications:

- Ischemic heart disease (ICD codes I20-25)
- Cerebral vascular accident (ICD-10 codes I63, I64, I67, I69, G45, and G46)
- Peripheral vascular disease (ICD-10 codes I70.2, I73, I73.8, and I73.9)
- Heart failure (ICD-10 codes I50, I11.0, I13.0, and I13.2)
- Diabetic retinopathy (ICD-10 codes E11.3, E14.3, and H36.0)
- Cardiovascular procedures such as coronary revascularization, or revascularization or non-traumatic amputation of lower extremity
- Severe renal failure (patients with estimated glomerular filtration rate <30 ml/min)

Supplementary Table 2. Change in the evolution of mean HbA1c according to the different steps of antidiabetic treatment and T2DM duration (95% CI)

	2007 Mean (SD)	2013 Mean (SD)	Change 2007-2013 (95% CI)
All treatments			
All years	7.16 (1.46)	7.24 (1.35)	0.08 (0.07 to 0.09)
< 2 yrs	6.93 (1.52)	6.89 (1.28)	-0.04 (-0.06 to -0.02)
2-5 yrs	7.09 (1.42)	6.94 (1.23)	-0.15 (-0.17 to -0.14)
5-10 yrs	7.27 (1.45)	7.30 (1.35)	0.03 (0.01 to 0.05)
>10 yrs	7.48 (1.47)	7.30 (1.38)	0.05 (0.03 to 0.07)
No drugs			
All years	6.31 (0.99)	6.45 (0.81)	0.14 (0.13 to 0.15)
< 2 yrs	6.35 (1.03)	6.51 (0.76)	0.16 (0.14 to 0.18)
2-5 yrs	6.28 (0.95)	6.42 (0.77)	0.140 (0.12 to 0.16)
5-10 yrs	6.28 (0.96)	6.42 (0.86)	0.14 (0.11 to 0.17)
>10 yrs	6.33 (1.06)	6.45 (0.91)	0.12 (0.07 to 0.17)
NIAD Monotherapy			
All years	6.94 (1.28)	6.81 (0.99)	-0.13 (-0.12 to -0.14)
< 2 yrs	7.04 (1.49)	6.87 (1.17)	-0.17 (-0.16 to -0.2)
2-5 yrs	6.87 (1.20)	6.73 (0.94)	-0.14 (-0.12 to -0.16)
5-10 yrs	6.96 (1.19)	6.82 (0.95)	-0.14 (-0.12 to -0.16)
>10 yrs	6.93 (1.19)	6.83 (0.93)	-0.10 (-0.07 to -0.13)
NIAD in combination			
All years	7.62 (1.47)	7.54 (1.33)	-0.08 (-0.07 to -0.2)
< 2 yrs	7.71 (1.76)	7.57 (1.73)	-0.14 (-0.08 to -0.2)
2-5 yrs	7.57 (1.44)	7.54 (1.43)	-0.03 (-0.061 to -0.001)

	2007 Mean (SD)	2013 Mean (SD)	Change 2007-2013 (95% CI)
5-10 yrs	7.66 (1.44)	7.54 (1.31)	-0.12 (-0.10 to -0.15)
>10 yrs	7.59 (1.37)	7.52 (1.24)	-0.07 (-0.04 to -0.1)
NIAD + Insulin			
All years	8.14 (1.59)	8.28 (1.56)	0.140 (0.11 to 0.17)
< 2 yrs	8.04 (1.91)	8.11 (2.24)	0.07 (-0.08 to 0.22)*
2-5 yrs	8.12 (1.61)	8.27 (1.82)	0.15 (0.07 to 0.23)
5-10 yrs	8.18 (1.56)	8.31 (1.55)	0.13 (0.08 to 0.18)
>10 yrs	8.14 (1.49)	8.26 (1.46)	0.12 (0.08 to 0.17)
Insulin monotherapy			
All	7.78 (1.60)	7.92 (1.56)	0.14 (0.10 to 0.18)
< 2 yrs	7.60 (1.87)	7.60 (2.04)	0.000 (-0.19 to 0.19)*
2-5 yrs	7.73 (1.58)	7.71 (1.75)	-0.02 (-0.14 to 0.1)*
5-10 yrs	7.81 (1.58)	7.93 (1.56)	0.12 (0.05 to 0.19)
>10 yrs	7.88 (1.52)	7.98 (1.46)	0.10 (0.03 to 0.17)

*The CI contains the null change (0) and therefore it is not statistically significant