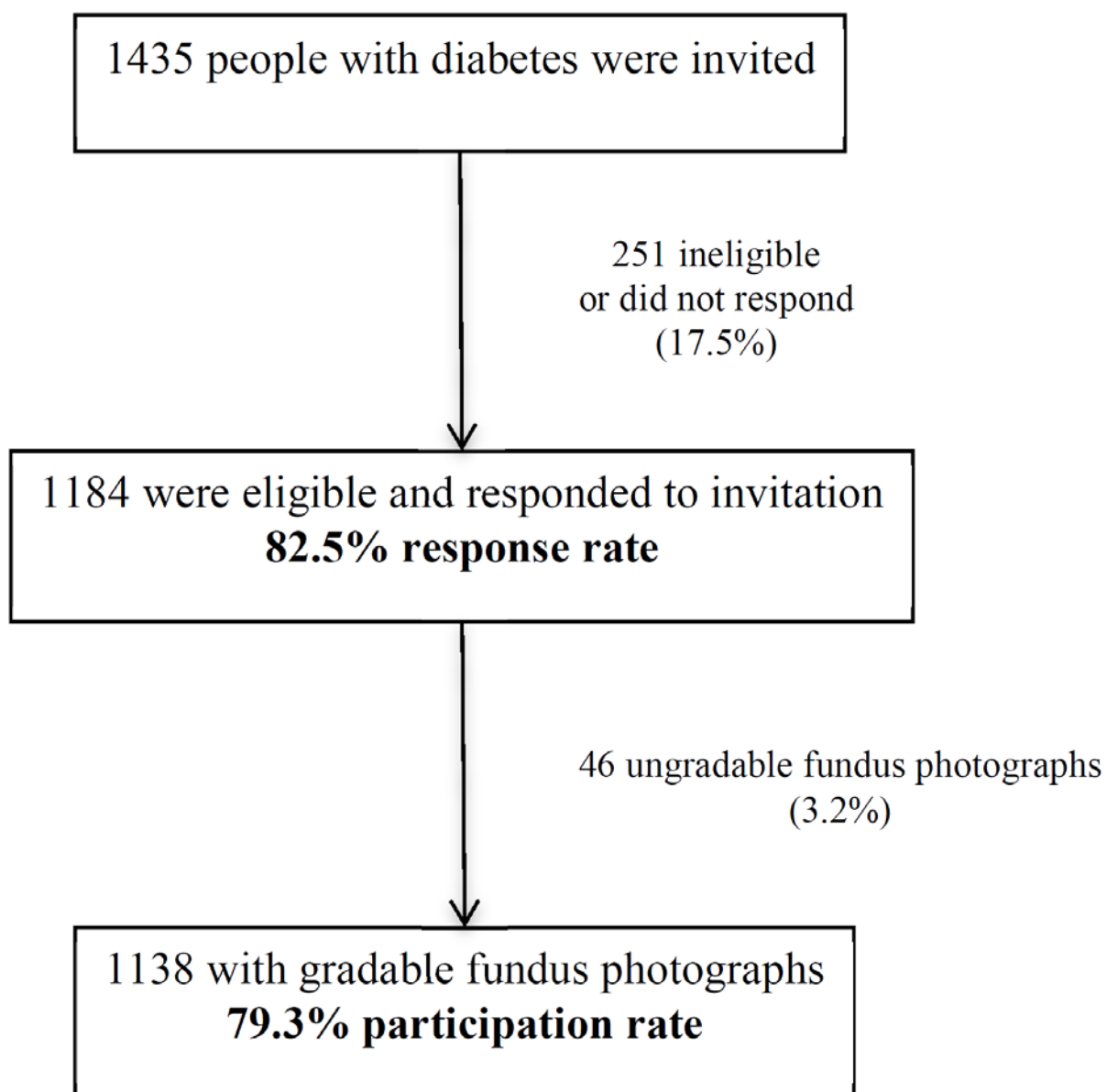


Supplementary Figure 1. JOGED.COM participation and response rate



SUPPLEMENTARY DATA

Supplementary Table S1. Correlations between RMR and Body Composition measures

	RMR	FM	SCF	VF	FFM	BMI	WC
RMR	-	-0.17*	-0.17*	0.37*	0.29*	0.31*	0.26*
FM		-	0.91**	0.31*	-0.82**	0.51**	0.50**
SCF			-	0.29*	-0.80**	0.58**	0.51**
VF				-	-0.08	0.83**	0.73**
FFM					-	-0.22*	-0.22*
BMI						-	0.80**
WC							-

** P<0.001; * P<0.05

Correlations test were performed simultaneously with Bonferroni correction set at 0.01

Supplementary Table S2. Characteristics of study participants with gradable vs. ungradable images

Characteristics	With gradable images (N=1138)	With ungradable images (N=46)	P-value [§]
Gender, % male	31.3	36.9	0.42
Smoking status, % current smoker	9.28	11.6	0.69
Hypertension, % yes	38.2	45.5	0.33
Hypercholesterolemia, % yes	35.8	29.6	0.39
Ischemia Heart Disease, % yes	19.4	13.7	0.35
Peripheral neuropathy, % yes	54.8	61.4	0.40
Foot ulcers, % yes	13.6	15.9	0.66
Impotence, % yes	12.1	6.9	0.29
Diabetes treatment, % combine insulin + oral medication	17.7	15.9	0.93
Household income/ month, % ≤US \$100	63.1	56.8	0.18
Residential area, % rural	51.9	52.3	0.96
Education level, % tertiary	12.9	18.2	0.66
Diabetes care, % never	11.7	13.6	0.03
Eye care, % never	94.9	95.5	0.87
Mean (SD) / Median (Range)			
Age, years	58.3 (9.90)	64.0 (8.56)	<0.001
Duration of diabetes, years*	4 (0 – 40)	6 (0 – 36)	0.013
Fasting glucose, mg/dL	161 (35.9)	140 (36.8)	0.25
Systolic BP, mmHg	132 (20.4)	133 (19.3)	0.59
Diastolic BP, mmHg	81.6 (10.6)	83.8 (8.90)	0.19
BMI, kg/m ²	24.6 (4.27)	23.6 (4.31)	0.12

*Median (Range)

[§]P-value was estimated using chi-square, t-test or Mann-Whitney U test as appropriate

SUPPLEMENTARY DATA

Supplementary Table S3. Associations of Body Composition Parameters with Clinically Significant Macular Edema (CSME)

Body composition parameters (per 1 SD increase)	Model 1† OR (95% CI)	P-value	Model 2‡ OR (95% CI)	P-value
Resting Metabolic rate (252 kcal)	2.60 (2.25 – 3.20)	<0.001	2.91 (2.40 – 3.52)	<0.001
Fat mass (7.1 %)	0.77 (0.66 – 0.92)	0.003	0.58 (0.47 – 0.79)	<0.001
Sub-cutaneous fat (7.6 %)	0.87 (0.73 – 1.03)	0.10	0.64 (0.49 – 0.83)	0.001
Visceral fat (5.1)	0.77 (0.64 – 0.93)	0.008	0.75 (0.61 – 0.92)	0.006
Fat-free mass (5.4 %)	1.08 (0.90 – 1.29)	0.39	1.14 (0.91 – 1.45)	0.24
BMI (4.28 kg/m ²)	0.84 (0.71 – 0.99)	0.05	0.79 (0.66 – 0.96)	0.016
Waist circumference (10.4 cm)	0.85 (0.73 – 0.99)	0.03	0.79 (0.68 – 0.93)	0.005

Abbreviations: OR, Odds Ratio; CI, Confidence Interval; SD, Standard Deviation.

†Adjusted for age and gender

‡Additionally adjusted for diabetes duration, fasting glucose level, systolic BP, smoking, diabetic ulcer and use of combined diabetes treatment.