

Supplementary Table 1: Baseline characteristics of study responders and non-responders

	ISH			IDH		
	Non- responders (N=4509)	Respondents (N=4574)	P-value	Non- responders (N=4314)	Respondents (N=4809)	P-value
Age, years	37.49(14.57)	38.37(12.15)	0.002	37.07(14.29)	37.52(11.36)	0.1
eGFR, ml/min/1.73m2	75.64(13.07)	73.57(11.52)	<0.001	75.88(13.02)	73.86(11.44)	<0.001
FPG,mmol L ⁻¹	5.26(1.73)	5.02(0.83)	<0.001	5.23(1.67)	5.0(0.78)	<0.001
2-h PCG,mmol L ⁻¹	5.97(2.49)	6.10(2.40)	0.44	5.95(2.44)	5.95(2.29)	0.92
TC, mmol L ⁻¹	5.03(1.15)	5.17(1.12)	<0.001	5.02(1.15)	5.16(1.10)	<0.001
TG, mmol L ⁻¹	1.40(1.11)	1.78(1.41)	<0.001	1.40(1.12)	1.43(1.14)	0.02
HDL_C, mmol L ⁻¹	1.09(0.29)	1.09(0.28)	0.75	1.09(0.29)	1.08(0.28)	0.5
SBP, mm Hg	111.22(11.79)	110.98(11.09)	0.33	111.07(11.67)	110.76(10.7)	0.2
DBP, mm Hg	73.19(8.43)	73.02(7.89)	0.34	73.24(8.45)	73.5(8.0)	0.16
WC, cm	85.30(12.28)	85.47(11.35)	0.52	85.27(12.22)	85.67(11.37)	0.12
Wrist circumference, cm	16.60(1.33)	16.53(1.29)	0.3	16.56(1.33)	16.55(1.29)	0.87
Hip circumference, cm	99.07(9.17)	99.82(8.75)	<0.001	99.15(9.16)	100.04(8.79)	<0.001
BMI, kg/m2	25.67(4.7)	25.96(4.33)	0.003	25.68(4.7)	26.07(4.35)	<0.001
Gender, Female (%)	2363(55.0)	2666(58.3)	0.002	2377(55.1)	2752(57.2)	0.04
Lipid medication, yes (%)	73(1.7)	64(1.4)	0.25	75(1.7)	62(1.3)	0.08
Current Smoking, yes (%)	875(21.6)	712(15.6)	<0.001	876(21.5)	756(15.7)	<0.001

Marital status, married (%)	3069(71.5)	3743(81.8)	<0.001	3078(71.4)	3916(81.4)	<0.001
Education Level, n (%)			0.06			0.007
- < 6 years	1080(25.2)	1080(23.6)		1041(24.2)	1047(21.8)	
- 6-11 years	2574(60.1)	2755(60.2)		2620(60.9)	2965(61.7)	
- ≥ 12 years	627(14.6)	739(16.2)		642(14.9)	797(16.6)	

Mean (SD) were shown for continuous variables and P value was calculated with t-test; n (%) was shown for categorical variables with P value according to chi-square; TG was shown as median (inter-quartile range) and P value according to Man-Whitney U test. GFR (Glomerular filtration rate, ml/min/1.73m²) FPG (Fasting plasma glucose, mmol L⁻¹); 2-h PCG (2-hour post challenge plasma glucose, mmol L⁻¹); TC (Total Cholesterol, mmol L⁻¹); TG (Triglycerides, mmol L⁻¹); HDL-C (High density lipoprotein-cholesterol, mmol L⁻¹); SBP(Systolic Blood Pressure, mm Hg); DBP (Diastolic Blood Pressure, mm Hg); WC(waist circumference, cm) ;