SUPPLEMENTARY DATA

Supplementary Table 1. Features of GADA or any autoantibody positive versus autoantibody negative patients (%) in hospital and community based setting.

	GADA Positive	Any Autoantibody Positive	Autoantibody Negative	P value
	541	**598**	**5508**	
Hospital Based Cases	319	347	2873	
Community Based Cases	222	251	2635	
Subjects on insulin (%) Hospital Based	145 (45.5%)	153 (44.1%)	361/2873 (12.6%)	<0.0001
Subjects on insulin (%) Community Based	114 (51.4%)	126 (50.2%)	367/2635 (13.9%)	<0.0001

Supplementary Table 2. Features of patients positive for autoantibodies other than GADA versus autoantibody negative patients. %, Mean (SD).

	ZnT8 and/or IA-2A Positive (GADA negative)	Autoantibody Negative	P value
Cases	**57**	**5558**	
Females	n=21 (36.8%)	n=2260 (40.7%)	>0.5
Males	n=36 (63.2%)	n=3298 (59.3%)	
Mean age (years)	50.4 (10.3)	54.9 (9.4)	<0.001
Age of onset (years)	47.5 (12.4)	52.5 (10.6)	0.005
Duration Disease (years)	1.9 (1.7)	2.3 (1.6)	0.19
Subjects on insulin (%)	20/57 (35%)	728/5508 (13.2%)	<0.001
Time to Insulin (years)	Insufficient data	0.87 (1.4)	_____
BMI (kg/m^2)	28.5 (1.7)	30.9 (6.5)	<0.001
Waist-Hip ratio	0.9 (0.1)	0.95 (0.09)	0.002
Waist Circumference (cm)	96.1 (12.7)	103.8 (14.6)	0.003
HDL Cholesterol (mmol/L)	1.4 (0.3)	1.3 (0. 4)	0.66
LDL Cholesterol (mmol/L)	3.1 (0.6)	1.6 (0.8)	>0.5
Systolic BP (mmHg)	122 (23)	122 (31)	>0.5
TGL (mmol/L)	1.6 (0.4)	2.0 (1.5)	>0.5

SUPPLEMENTARY DATA

Supplementary Table 3. Features of GADA low versus autoantibody negative patients. %, Mean (SD). (* Information for gender missing on 1 subject).

	GADA Low	Autoantibody Negative	P value
Cases	**138**	**5558**	
Females*	59 (42.8%)	n=2260 (40.7%)	>0.5
Males	78 (56.5%)	n=3298 (59.3%)	
Mean age (years)	50.2 (10.9)	54.9 (9.4)	<0.001
Age of onset (years)	47.6 (10.8)	52.5 (10.6)	<0.001
Duration Disease (years)	2.46 (1.7)	2.3 (1.6)	0.076
Subjects on insulin (%)	52/131 (39.7%)	728/5508 (13.2%)	< 0.001
Time to Insulin (years)	0.86 (1.4)	0.87 (1.4)	>0.5
BMI (kg/m^2)	28.5 (6.6)	30.9 (6.5)	< 0.001
Waist-Hip ratio	0.89 (0.1)	0.95 (0.09)	<0.001
Waist Circumference (cm)	96.7 (16.6)	103.8 (14.6)	< 0.001
HDL Cholesterol (mmol/L)	1.4 (0.5)	1.3 (0. 4)	>0.5
LDL Cholesterol (mmol/L)	2.2 (1.1)	1.6 (0.8)	< 0.001
Systolic BP (mmHg)	116 (31)	122 (31)	< 0.001
TGL (mmol/L)	1.8 (1.7)	2.0 (1.5)	< 0.001

SUPPLEMENTARY DATA

Supplementary Figure 1. GADA QQ plot for all cases, the first vertical line (black) indicates the Laboratory based cut off for positivity for GADA which was at 70 units based on the end point dilution of the standard curve and validated by the intersection in the QQ plot. The second vertical line (red) indicates another inflection point (not evident in the figure) equivalent to 200 units the cut off for high titre GADA.

Normal Q-Q Plot of TITRE