

Table 1. Results and cost of individual antibody lab tests in all patients and those presenting younger than age 6 years.

	Positive Antibody Tests (%) N=91 (%)	Below Age 6 Positive Antibody Tests (%) N=18 (%)	Patient Charges for Tests	Institution Costs for Tests
IA-2	72 (79.1%)	16 (88.8%)	\$358	\$107.88
GAD65	51 (56%)	11 (61.1%)	\$174	\$52.73
Islet Cell	50 (54.9%)	12 (66.7%)	\$131	\$39.70
Zinc Transporter 8	69 (75.8%)	13 (72.2%)	\$528	\$160

Table 2. Frequency of antibody positivity using 4 autoantibodies for screening

Positive Antibodies	Patients presenting 2015-2016 N=91(%)
IA-2	5 (5.5%)
ZnT8	5 (5.5%)
GAD65	4 (4.4%)
ICA	0 (0%)
IA-2 + GAD65	2 (2.2%)
IA-2 + ZnT8	4 (4.4%)
IA-2 + ICA	2 (2.2%)
GAD65 + ZnT8	2 (2.2%)
GAD65 + ICA	1 (1.1%)
ZnT8 + ICA	0 (0%)
IA-2 + GAD65 + ZnT8	13 (14.3%)
IA-2 + GAD65 + ICA	3 (3.3%)
IA-2 + ICA + ZnT8	18 (19.8%)
GAD 65 + ICA + ZnT8	1 (1.1%)
IA-2 + GAD 65 + ICA + ZnT8	25 (27.5%)
No positive antibodies	6 (6.6%)

Figure 1. Diagram of antibody positivity in 91 patients examining specifically. Only a small percent of patients are not positive for either GAD65 or IA-2 antibodies.

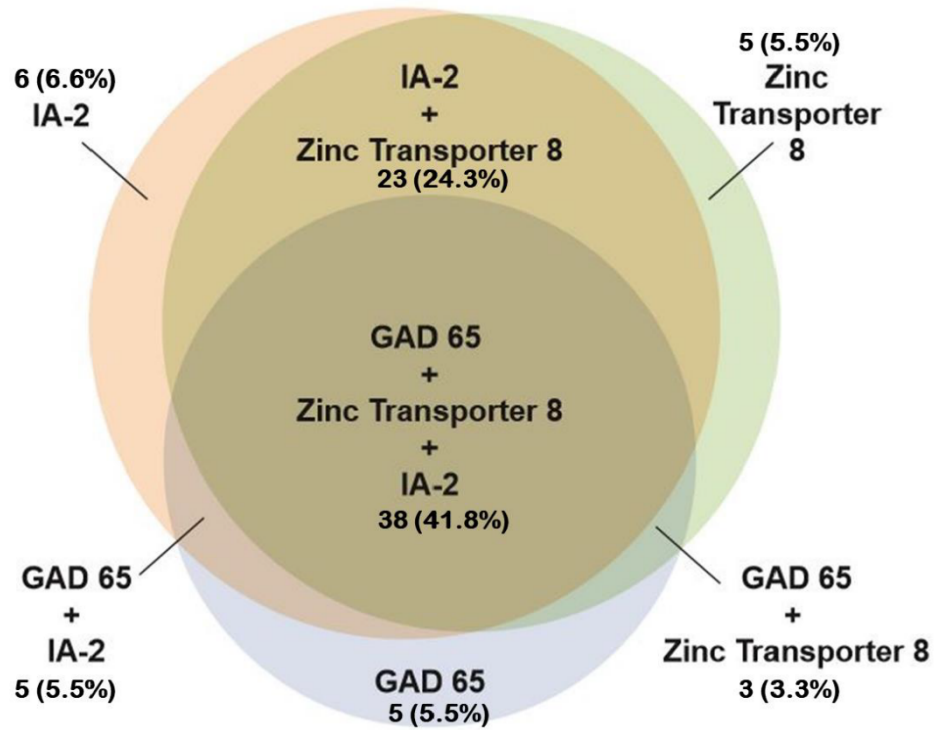


Figure 2. Cost savings flowchart. A change in protocol would result in healthcare cost saving in charges of over 49%, i.e. \$59,000 per 100 patients within our institution.

