

SUPPLEMENTARY DATA

**Supplementary Table 1. Percent of patients reporting one or more severe hypoglycemic events within prior 3 months according to HbA<sub>1c</sub> in the T1D Exchange registry (10)**

	6-12 years old		13-17 years old		18-25 years old		26-49 years old		≥ 50 years old	
	<i>N</i>	(%) reporting ≥1 event	<i>N</i>	(%) reporting ≥1 event	<i>N</i>	(%) reporting ≥1 event	<i>N</i>	(%) reporting ≥1 event	<i>N</i>	(%) reporting ≥1 event
Most recent HbA <sub>1c</sub>										
<7% (<53 mmol/mol)	50	6	29	3	72	3	215	6	120	6
7 to <7.5% (53 to <58 mmol/mol)	66	3	44	9	45	4	104	6	80	9
7.5 to <8% (58 to <64 mmol/mol)	105	1	76	3	75	3	100	12	80	6
8 to <9% (64 to <75 mmol/mol)	181	2	145	6	90	9	102	9	64	8
≥9.0% (≥75 mmol/mol)	102	2	133	5	97	8	52	13	20	10

**Supplementary Table 2. Enrollment of children in Type 1 Diabetes TrialNet studies in recently diagnosed individuals**

	Number randomized	Age range	Number <16 years old	% <16 years old
MMF-DZB (93)	126	8-45	69	55%
Rituximab (69)	87	8-40	44	51%
GAD65-Alum (67)	145	3-45	80	55%
Abatacept (66)	112	6-45	78	70%
Canakinumab (68)	71	6-45	57	80%
Metabolic control (94)	68	6-45	54	79%

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**Supplementary Table 3. Enrollment of children in type 1 diabetes prevention studies**

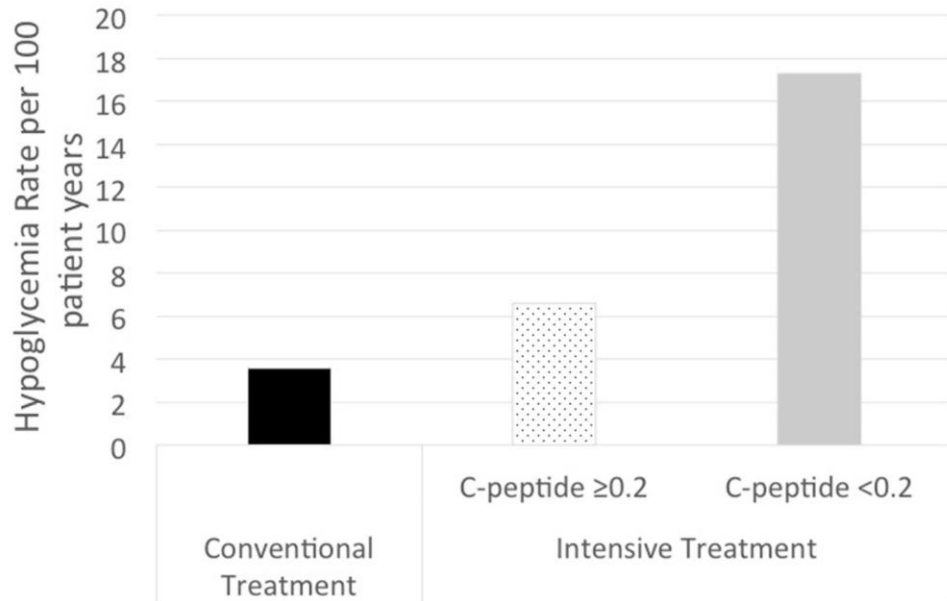
	Number randomized	Age range	Number <16 years old	% <16 years old
DPT-1 parenteral insulin (58)	339	4-45	228	67%
DPT-1 oral insulin (59)	372	3-45	306	82%
ENDIT (95)	552	3-40	276	50%
DIPP birth cohort (99)	224	1-5	224	100%
DIPP sibling cohort (99)	40	4-11	40	100%
TRIGR (96)	2,159	<0.5	2,159	100%
NIP (97)	123	<0.5	123	100%
Oral insulin* (TrialNet)	458	3-45	424	93%
Teplizumab* (TrialNet)	45	8-45	27	60%
Abatacept* (TrialNet)	72	6-45	42	58%

\*as of 2014; enrollment ongoing

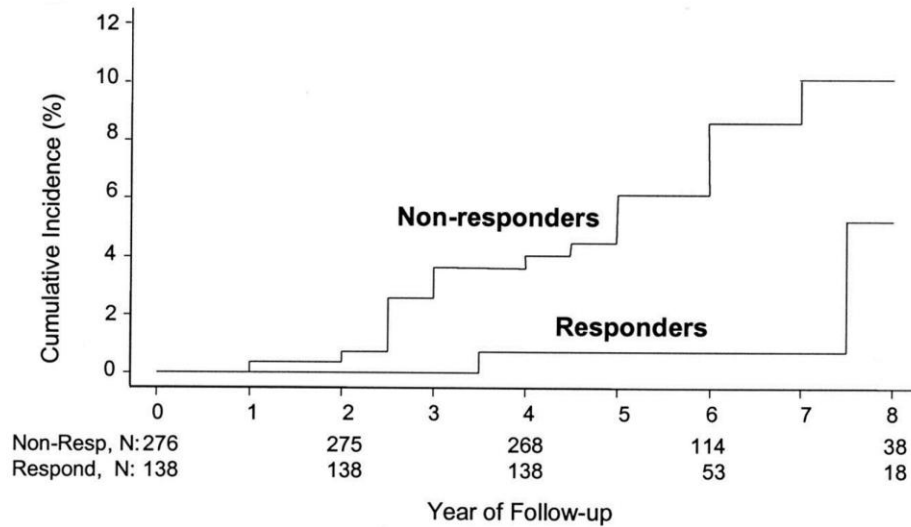
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**Supplementary Figure 1. Effect of residual C-peptide on complications of type 1 diabetes.** Among DCCT participants randomized to intensive therapy, those with C-peptide >0.2 nmol/L (A) experienced less hypoglycemia and (B) less progression of retinopathy (35,98).

**A.**

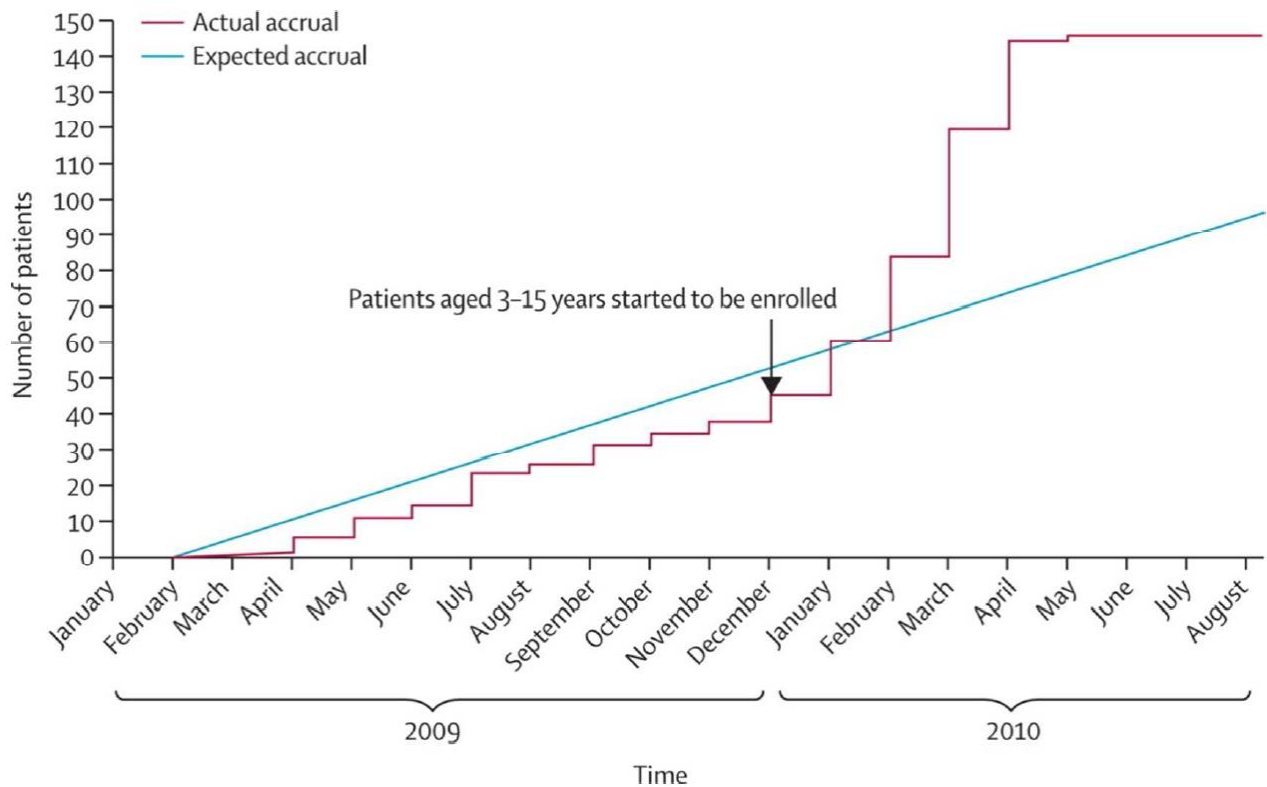


**B.**



SUPPLEMENTARY DATA

**Supplementary Figure 2. Impact of age on enrollment in clinical trial of disease-modifying therapy.** Rate of enrollment into the TrialNet randomized, placebo-controlled trial testing GAD65-alum. Initial enrollment limited to age  $\geq 16$ . Enrollment opened to younger subjects in January 2010, resulting in marked increase in enrollment rate per month. Figure used with permission from Wherrett et al. (67).



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