

**CANADIAN DIABETIC ASSOCIATION TARGETS for GLYCEMIC CONTROL 2008**

Value	Target for Type 1 and 2 diabetes
Hemoglobin A <sub>1c</sub> fraction (A1C %)	≤ 7
FPG/Pre-meal glucose, mmol/L	4-7
2 hour post-meal glucose, mmol/L	5-10 (5-8 if A1C targets not being met)

FPG = Fasting plasma glucose

**ORAL ANTIDIABETIC MEDICATION COMPARISON**

Class	Example	Mechanism of Action	↓ HbA1c	Side Effects/Contraindications
Sulfonylurea	Glyburide <sup>1</sup> Gliclazide <sup>1</sup> Tolbutamide <sup>1</sup>	↑ insulin secretion by pancreas	1.5-2%	↑ weight, hypoglycemia; contraindicated if sulfa allergy
Meglitinide	Repaglinide Nateglinide	↑ insulin secretion by pancreas	1.5-2%	↑ weight, hypoglycemia
Biguanide	Metformin <sup>1</sup>	↓ hepatic glucose output, Insulin sensitizer	1.5-2%	Diarrhea, Lactic acidosis; contraindicated if serum creatinine > 130umol/L
Thiazolidinedione	Rosiglitazone Pioglitazone	Insulin sensitizer	1-1.5%	Edema, CHF; contraindicated if AL>2.5x normal
α-glucosidase Inhibitor	Acarbose	Inhibits breakdown of di-and poly-saccharides in intestine	0.5-1%	GI side effects; contraindicated if GI dysfunction

<sup>1</sup>formulary drug