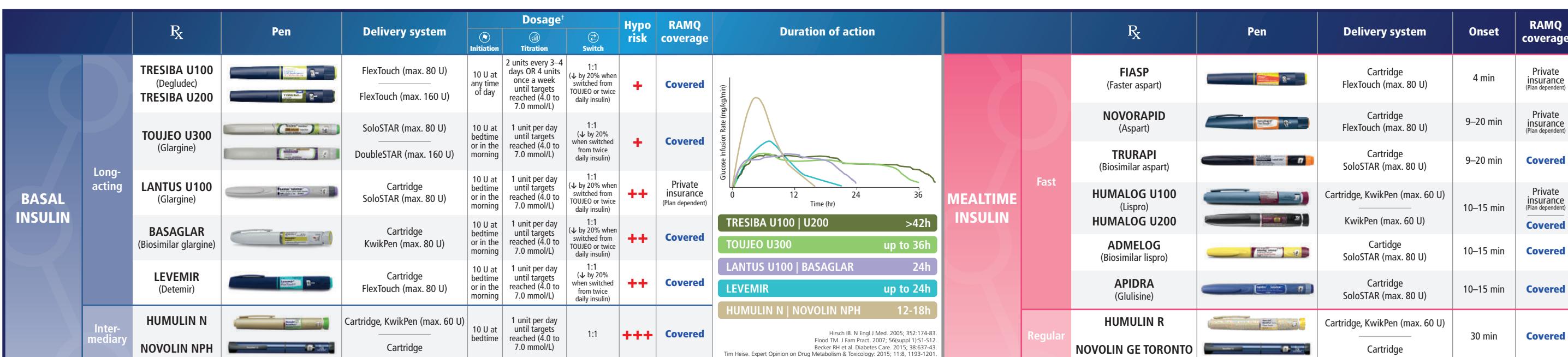


	RX	Dosage form	Strength and dosage schedule	eGFR (mL/min/1.73m <sup>2</sup> )				↓ % A1C (+ MET)	Weight (+ MET)	Hypo risk	Major Adverse Cardiovascular Events <sup>1</sup>	Cardiorenal Benefits	RAMQ reimbursement criteria			Combination	
				<15 or dialysis	15-29	30-44	45-59						+ MET	+ SU			
<b>Metformin</b> <b>1</b>	GLUCOPHAGE (Metformin)	500 - 850 mg BID/TID (max. 850 mg TID/1000 mg BID)	500 mg QD (do not initiate)	500 mg BID			-	Neutral	Rare	-	-	Covered	-	Covered	-		
	GLUMETZA (Metformin)	500 - 1000 mg QD (max. 2000 mg QD)		1000 mg QD								Private ins.	-	Private ins.	-		
<b>SGLT2i</b> <b>2**</b>	INVOKANA (Canagliflozin)	100 - 300 mg QD	Continue treatment	100 mg (Recommended for cardio-renal benefit. Lower glycemic efficacy.)	↓↓	0.8 to 0.9%	↓↓	3.3 to 4.0 kg	Rare	POSITIVE <sup>1</sup> (Established Atherosclerotic Cardiovascular Disease)	↓ Hospitalization for Heart Failure <sup>3</sup> ↓ progression of Nephropathy <sup>4</sup>	EN 167	EN 148	EN 149	Invokamet 50 - 150/500 - 1000 Private ins.		
	JARDIANCE (Empagliflozin)	10 - 25 mg QD	Recommended for cardio-renal benefit. Lower glycemic efficacy.			↓↓	0.7 to 0.8%	↓↓	2.1 to 3.1 kg	Rare	EN 167	EN 148	Private ins.	Synjardy 5 - 12.5/500 - 850 - 1000   EN 219 Glyxambi (empa + lina) 10/5 - 25/5   Private ins. Jardiance: EN 179			
	FORXIGA (Dapagliflozin)	5 - 10 mg QD	Continue treatment	↓↓	0.5 to 0.8%	↓↓	2.9 to 3.2 kg	Rare	NEUTRAL	Private ins.	EN 148	EN 149	Private ins.	Xigduo 5/850 - 1000   EN 150 QTern (dapa + saxa) 5/5 - 10/5   Private ins.			
<b>INCRETINS</b>	VICTOZA (Liraglutide)	0.6 mg QD x 1 week 1.2 mg QD x 1 week 1.8 mg QD (optional)	NR				↓↓↓	1.0 to 1.5%	↓↓	2.6 to 3.4 kg	Rare	POSITIVE <sup>2</sup> (Established Atherosclerotic Cardiovascular Disease AND/OR >60 yo with 2 CV risk factors)	Exception drug Not at target + MET; BMI >30.0 kg/m <sup>2</sup> ; DPP-4i is ineffective, contraindicated, and/or not tolerated. 12 months per authorization (first continuation: ↓ A1C ≥0.5% or a value <7%)				
	TRULICITY (Dulaglutide)	0.75 mg Q1W x 2 weeks 1.5 mg Q1W (optional)	Caution				↓↓↓	1.0 to 1.4%	↓↓	2.7 to 3.1 kg	Rare		↓ Albuminuria <sup>5</sup>	Exception drug In association with MET, where a SU is contraindicated, not tolerated or ineffective			
	OZEMPIK (s.c. semaglutide)	0.25 mg Q1W x 4 weeks 0.5 mg Q1W x 4 weeks 1 mg Q1W (optional)	NR	Caution				↓↓↓	1.3 to 1.6%	↓↓	4.2 to 5.8 kg	Rare	NEUTRAL (superiority study ongoing)	Private ins.			
	RYBELSUS (oral semaglutide)	3 mg QD x 30 days 7 mg QD x 30 days 14 mg QD (optional) On empty stomach upon waking, with a sip of water, 30 min before food/drink	NR				↓↓↓	1.0 to 1.3%	↓↓	2.2 to 3.8 kg	Rare	-	Private ins.				
<b>DPP-4i</b>	JANUVIA (Sitagliptin)	100 mg QD	25 mg	50 mg			↓	0.7%	Rare	NEUTRAL	↑ Hospitalization for Heart Failure	EN 167	EN 148	Private ins.	Janumet 50/500 - 850 - 1000 Janumet XR 50/500 - 1000; 100/1000 EN 150		
	TRAJENTA (Linagliptin)	5 mg QD	Caution				↓	0.5%	Neutral			EN 167	EN 148	Private ins.	Jentadueto 2.5/500 - 850 - 1000 EN 150		
	NESINA (Alogliptin)	25 mg QD	6.25 mg	12.5 mg			↓	0.6%	Rare			EN 167	EN 148	EN 149	Kazano 12.5/500 - 850 - 1000 EN 150		
	ONGLYZA (Saxagliptin)	5 mg QD	NR	2.5 mg			↓	0.7%	Rare			Private ins.	EN 148	EN 149	Komboglyze 2.5/500 - 850 - 1000 EN 150		
<b>α-glucosidase</b>	GLUCOBAY (Acarbose)	50 - 100 mg TID				↓	0.6%	Neutral	Rare	NEUTRAL	Covered			-	-		
<b>Secretagogues</b>	DIABETA (Glyburide)	2.5 - 5 mg QD/BID (max. 10 mg BID)	Caution			↓↓	0.5 to 1.0%	↑	1.5 kg	++	Covered			-	-		
	DIAMICRON (Gliclazide)	80 mg (max. 160 BID) MR 30 - 60 mg (max. 120 QD)	NR				↓↓	0.5 to 1.0%	↑	1.5 kg	+	Covered			-	-	
	AMARYL (Glimepiride)	1 - 2 - 4 mg (max. 8 QD)	NR	Caution				↓↓	0.5 to 1.0%	↑	1.5 kg	++	EN 23	EN 23	-	-	
	GLUCONORM (Repaglinide)	0.5 - 1 - 2 mg TID (max. 4 QID)	Caution				↓↓	0.5 to 1.0%	↑	1.6 kg	+	Covered			-	-	
<b>TZD</b>	ACTOS (Pioglitazone)	15 - 30 - 45 mg QD	Caution				↓↓↓	0.9 to 1.5%	↑↑	1.5 to 2.8 kg	Rare	NEUTRAL	↑ Heart Failure	EN 121	EN 118	EN 119	EN 117 (For patients with CKD) EN 120 (In combination with MET + SU when insulin is indicated, but the patient is unable to receive it)
	AVANDIA (Rosiglitazone)	2 - 4 - 8 mg QD	Caution				↓↓↓	0.9 to 1.5%	Rare	EN 121	EN 118	EN 119					



Recommendations based on Diabetes Canada guidelines.

1\* Metformin is the first line of treatment. 2\*\* SGLT2i and GLP-1 RA should be favoured after metformin in patients with CV comorbidity and/or in poorly controlled patients in whom it is desirable to promote CV benefits and/or weight loss while minimizing the risk of hypoglycemia. \* Patients on insulin should have an individualized fasting glucose targets.

^ 3-point MACE is defined as a composite of nonfatal myocardial infarction, stroke, and cardiovascular death. Results of CV studies (evidence level A and B in italic): 1) ↓ in MACE: if established Atherosclerotic Cardiovascular Disease OR if CKD. 2) ↓ in MACE: if established Atherosclerotic Cardiovascular Disease OR if &gt;60 yo with 2 risk factors (tobacco, HBP, DLD, obesity) OR if CKD. 3) ↓ in Hospitalization for Heart Failure: if history of Heart Failure OR if CKD OR if established Atherosclerotic Cardiovascular Disease OR if &gt;60 yo with 2 CV risk factors. 4) ↓ progression of nephropathy: if CKD OR if established Atherosclerotic Cardiovascular Disease. 5) ↓ Albuminuria: if established Atherosclerotic Cardiovascular Disease.

CAD: coronary artery disease | CKD: chronic kidney disease | CV: cardiovascular | DLD: dyslipidemia | eGFR: estimated glomerular filtration rate | HBP: high blood pressure | MET: metformin | NR: not recommended | PAD: peripheral arterial disease | Q1W: once weekly | QID: four times a day s.c.: subcutaneous | SU: sulfonylurea

Reference: Efficacy on A1C and weight lowering data as add-on to metformin have been taken from product monographs or from head-to-head trials. This guide reflects current standards and the author's opinion. It does not replace clinical judgement and should only be used as a reference. Some products are not represented on the chart as they are rarely prescribed. | 2020 © Photos by Vigilance Santé inc.