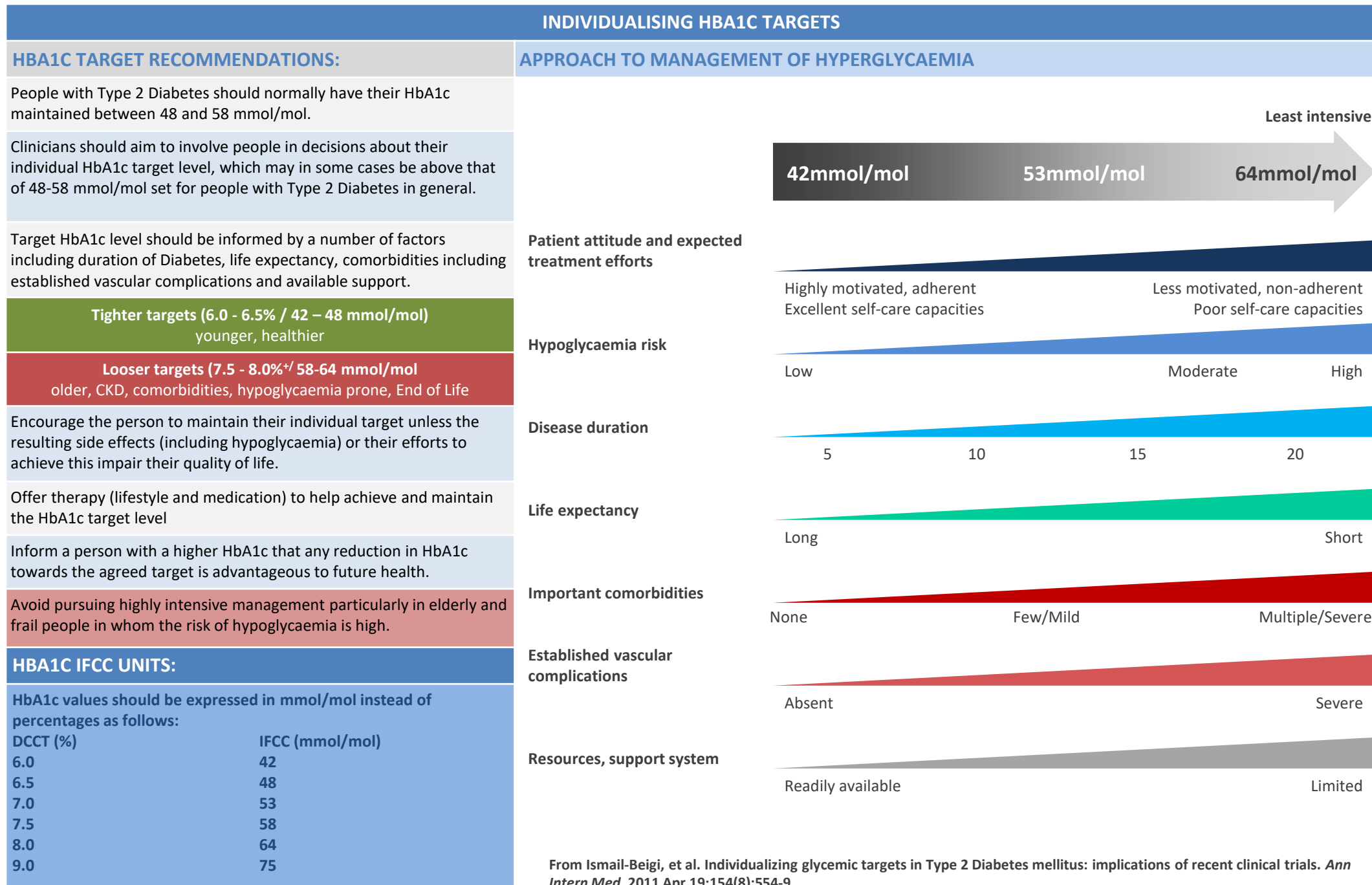


TYPE 2 DIABETES – SUMMARY OF ANTI-DIABETIC AGENTS

Please see individual drug monographs on pages [34-37](#) and [59-60](#) for more details.

	Hypoglycaemia	Weight	GI side effects	Cardiovascular risks/benefit	Renal dosing	Liver impairment	
Metformin	No	Loss	Common	Benefits	eGFR 30-44: Max 1g daily dose Contraindicated if eGFR<30	Withdraw if risk of tissue hypoxia, predisposes to lactic acidosis	
				Caution in chronic stable heart failure			
Sulfonylureas	Associated risk	Gain	Common	Neutral	See page 15 for individual drug breakdown		
					Higher risk of hypoglycemia; increase patient monitoring	If severe, reduce dose (risk of hypoglycemia)	
DPP-4i (-gliptins)	Only when combined with SU/Insulin	Neutral	No known risks	Neutral	See page 15 for individual drug breakdown		
			Alogliptin - Common		Caution with Alogliptin and Saxagliptin in moderate-severe heart failure	Dose reduction may be required	Vildagliptin has a risk of liver toxicity
			Saxagliptin - Possible				
Thiazolidinediones (Pioglitazone)	Only when combined with SU/Insulin	Gain	No known risks	Risk Contraindicated in people with heart failure or a history of heart failure	None	Avoid, risk of liver toxicity	
SGLT-2i (-flozins)	Only when combined with SU/Insulin	Loss	No known risks	Established benefits	See page 15 for individual drug breakdown		
				Caution in significant PVD due to increased risk of digital amputation	Dose reduction may be required	Excluding dapagliflozin, avoid if severe	
GLP-1 Agonist (-tides)	No	Loss	Common	Semaglutide, Liraglutide, Dulaglutide have CV benefit	See page 15 for individual drug breakdown		
					Except Lixisenatide and Exenatide	Avoid if Liraglutide	
Repaglinide	Associated risk	Gain	Common	CVD as a rare side effect	Use with caution	Avoid if severe	
Acarbose (AGI)	If prescribed in addition to other blood glucose lowering drugs	Neutral	Common	Neutral	Avoid if eGFR<25	Avoid if severe	
Insulin	Associated risk	Gain	No known risks	Neutral	Dose reduction required, higher risk of hypoglycemia	Reduced dose required	
				Cardiac failure risk when used concurrently with Pioglitazone			



Age	<65		65-70		>70		Severe frailty or Residential care	End of Life Care
Duration > 10 years Latest HbA1c > 64-75 Complications: CVD, CKD, retinal, foot Hx of Hypoglycaemia On SU / Insulin	N	Y	N	Y	N	Y	Y	Refer to: Diabetes UK End of Life Diabetes Care Clinical Recommendations for advice on targets and potential deprescribing
Target HbA1c	<48	48-53	<48	53-58	53-58	58-64	58-69	

Adapted from Khunti and Davies 2010