

Quantities of GLP1 mimetics

It is important to ensure that appropriate quantities of GLP1 mimetics are prescribed to avoid financial waste and for patient safety reasons. Six GLP1 mimetics are licensed for diabetes management. (PrescQIPP, 2019)

Calculate the number of devices needed for a one month supply for each GLP1 mimetic.

Generic name (and brand name) of GLP1 mimetic	Dose	Strength and volume of device	How many devices are needed for one month?	
Exenatide (Byetta)	5 micrograms twice daily before meals, increased if necessary to 10 micrograms twice daily	5 micrograms/0.02ml, 1.2ml pre-filled pen	5 microgram dose	Answer = 1 pre-filled pen
		10 micrograms/0.02ml, 2.4ml pre-filled pen	10 microgram dose	Answer = 1 pre-filled pen
Exenatide (Byduron)	2mg once weekly	Pre-filled injection containing 2mg powder and solvent for prolonged release injection	Answer = 4 pre-filled disposable injections	
Liraglutide (Victoza)	Initially 0.6mg once a day for at least a week, then increased to 1.2mg daily for a week, increased if necessary to 1.8mg daily	6mg/ml 3ml prefilled pen	1.2mg dose	Answer = 2 pre-filled pens
			1.8mg dose	Answer = 3 pre-filled pens
Lixisenatide Lyxumia)	Initially 10 micrograms once daily for 2 weeks, then 20 micrograms once daily	10 microgram/0.2ml 3ml pre-filled pen (titration pack)	10 microgram titration dose	Answer = 1 pre-filled pen
		20 microgram/0.2ml 3 ml pre-filled pen	20 microgram dose	Answer = 2 pre-filled pens
Dulaglutide (Trulicity)	0.75 mg once weekly as monotherapy	0.75mg/0.5ml pre-filled pen	0.75mg dose	Answer = 4 pre-filled pens
	1.5mg once weekly in combination	1.5mg/0.5ml pre-filled pen	1.5mg dose	Answer = 4 pre-

				filled pens
Semaglutide (ozempic)	Initially 0.25mg once weekly for 4 weeks, then 0.5mg once weekly for at least 4 weeks, then if necessary 1mg once weekly	0.5mg/0.37ml 1.5ml pre-filled pen 1mg/0.74ml 3 ml pre-filled pen	0.5mg dose	Answer = 1 pre-filled pen
			1mg dose	Answer = 1 pre-filled pen

Ensuring appropriate quantities of GLP1 mimetics, 2019, PrescQIPP

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