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## 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.

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 needed for one month?	
Exenatide (Byetta)	5 micrograms twice daily before meals, increased if necessary to 10	5 micrograms/0.02ml, 1.2ml pre-filled pen 10 micrograms/0.02ml,	5 microgram dose 10	Answer =
	micrograms twice daily	2.4ml pre-filled pen	microgram dose	
Exenatide (Byduron)	2mg once weekly	Pre-filled injection injection containing 2mg powder and solvent for prolonged release injection	Answer =	
Liraglutide (Victoza)	Initially 0.6mg once a day for at least a week, then increased to 1.2mg daily for a	6mg/ml 3ml prefilled pen	1.2mg dose	Answer =
	week, increased if necessary to 1.8mg daily		1.8mg dose	Answer =
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 =
		20 microgram/0.2ml 3 ml pre-filled pen	20 microgram dose	Answer =
Dulaglutide (Trulicity)	0.75 mg once weekly as monotherapy	0.75mg/0.5ml pre- filled pen	0.75mg dose	Answer =
	1.5mg once weekly in combination	1.5mg/0.5ml pre-filled pen	1.5mg dose	Answer =

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