

## Central Lancashire Online Knowledge (CLoK)

Title	Tinzaparin treatment dose in adults
Type	Article
URL	<a href="https://clock.uclan.ac.uk/50966/">https://clock.uclan.ac.uk/50966/</a>
DOI	10.12968/jprp.2024.6.3.96
Date	2024
Citation	Davies, Janice Anne (2024) Tinzaparin treatment dose in adults. <i>Journal of Prescribing Practice</i> , 6 (3). p. 96. ISSN 2631-8385
Creators	Davies, Janice Anne

It is advisable to refer to the publisher's version if you intend to cite from the work.  
10.12968/jprp.2024.6.3.96

For information about Research at UCLan please go to <http://www.uclan.ac.uk/research/>

All outputs in CLoK are protected by Intellectual Property Rights law, including Copyright law. Copyright, IPR and Moral Rights for the works on this site are retained by the individual authors and/or other copyright owners. Terms and conditions for use of this material are defined in the <http://clock.uclan.ac.uk/policies/>

## Tinzaparin treatment dose in adults

**Janice Davies**

**Pharmacist Co-Course Leader – Non Medical Prescribing, University of Central Lancashire**

**jadavies5@uclan.ac.uk**

Tinzaparin is presented in syringes and vials containing 20 000 units/mL. The dosage of tinzaparin for treatment of venous thromboembolism is 175 units/kg bodyweight once daily. The dose should be rounded up or down to the nearest 0.05 mL dose volume. Tinzaparin is administered by subcutaneous injection. A dosing chart should always be used when calculating doses of tinzaparin. For these examples, try calculating the dose using your maths skills, then use the dosing chart below to check your answers.

**Table 1. Tinzaparin treatment dose in adults (East Lancashire Health Economy, 2024)**

Syringe Marking/ volume	Bodyweight		Prescribed dose		Injection volume mL
	Kg	Stones/lbs	Anti-factor XA units		
ORANGE 0.4mL	35	5/7	6 000 units		0.3 mL
ORANGE 0.4mL	40	6/4	7 000 units		0.35 mL
ORANGE 0.4mL	45	7/1	8 000 units		0.4 mL
RED 0.5mL	50	7/12	9 000 units		0.45 mL
RED 0.5mL	55	8/9	10 000 units		0.5 mL
BROWN 0.6mL	60	9/6	11 000 units		0.55 mL
BROWN 0.6mL	65	10/3	11 000 units		0.55 mL
BROWN 0.6mL	70	11/10	12 000 units		0.6 mL
YELLOW 0.7mL	75	11/11	13 000 units		0.65 mL
YELLOW 0.7mL	80	12/8	14 000 units		0.7 mL
GREEN 0.8mL	85	13/5	15 000 units		0.75 mL
GREEN 0.8mL	90	14/2	16 000 units		0.8 mL
BLUE 0.9mL	95	14/13	17 000 units		0.85 mL
BLUE 0.9mL	100	15/10	18 000 units		0.9 mL
BLUE 0.9mL	105	16/7	18 000 units		0.9 mL
Multi-dose vial 40000 units in 2 mL	110	17/5	19 000 units		0.95 mL
	115	18/2	20 000 units		1 mL
	120	18/13	21 000 units		1.05 mL
	125	19/10	22 000 units		1.10 mL
	130	20/7	23 000 units		1.15 mL
	135	21/4	24 000 units		1.2 mL
	140	22/1	25 000 units		1.25 mL

### QUESTION 1

Mr A. Weight: 75 kg

### QUESTION 2

Mrs B. Weight: 59 kg

### QUESTION 3

Mr C. Weight: 93 kg

#### QUESTION 4

Mrs D. Weight: 121 kg

East Lancashire Health Economy. Best Practice Guideline: Use of Low Molecular Weight Heparins (LMWH) (e.g. Dalteparin /Tinzaparin). 2024.

[https://elht.nhs.uk/application/files/7815/8935/6968/LMWH\\_Best\\_Practice\\_Guideline.pdf](https://elht.nhs.uk/application/files/7815/8935/6968/LMWH_Best_Practice_Guideline.pdf) (accessed 22 February 2024)