



How to Use the NHS England Dose Banding Tables

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How to Use NHS England Dose Banding Tables

Dose banding is a system whereby drug doses which are calculated are grouped and rounded to set of pre-defined doses. Each series of consecutive dose(s) is called a 'band', with the dose to which they are rounded towards being the 'banded dose'.

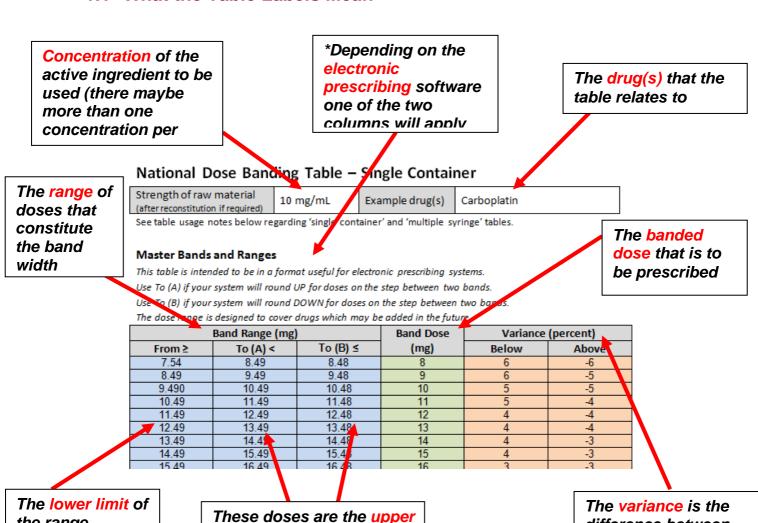
These tables, used in conjunction with the CQUIN and the draft DTC submission paper, follow two main rules:

- No target dose of 'traditional' SACT is greater than ±6% of the precise 1. calculated dose without specific prior agreement
- 2. No target dose of MAB's used as a SACT is greater than ±10% of the precise calculated dose without specific prior agreement

Below outlines the different sections of the tables and also gives a couple of situational examples.

1.1 What the Table Labels Mean

the range



limits of the bands and

will be different for

different Electronic

prescribing systems*

difference between

of the band and the

banded dose

the upper/lower limits

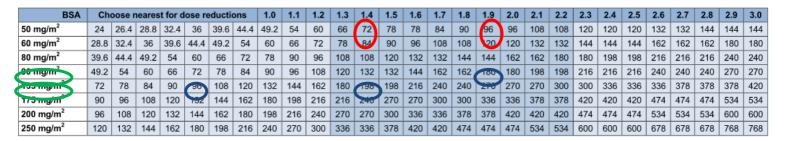
When selecting a dose band from a precise calculated dose – choose the range into which that dose fits and then select the corresponding dose band (show in the below example).

	1309.75	1441.99	1441.98	1368	4	-5
Е	1441.99	1612.19	1612.18	1520	5	-6
	1612.19	1802.49	1802.48	1710	6	-5
	1000 10	0040 77	0040 70	1000	_	_
	1002.49	2010.77	2010.76	1900	o o	-0
	2010.77	2257.09	2257.08	2128	6	-6

Using the above cross section of the table as an example if the precise dose calculated falls between the range 1802.49mg and 2010.77mg (or 2010.76mg) and the dose band will be 1900mg.

1.2 Using the Second Section of the Tables

The second section of the table is detailed below and can be used as an alternative for those not using electronic prescribing or where dose banding functionality is not available within the system. If the dose per meter squared required is not listed in this type of table revert to using that highlighted above.



When dosing the patient using this table it can be done using the calculated body surface area (BSA) rounded to the nearest one decimal point increment (highlighted in red) on the chart above.

For each of the corresponding BSA's there is a dose given that correlates to the mg/m² dose which appears on the right hand side of the table (highlighted in green).

Therefore the correct **dose band** for a patient with a BSA of **1.4m**² at a dose of **135mg/m**² is **198mg** as **highlighted in blue**.

If a 50% dose reduction is required for this patient (198mg x 0.5 = 99mg) choose the nearest number on the same row – in this case 96mg to ensure the dose reduction is also banded. For a patient with a BSA of $1.9m^2$ at a dose of $80mg/m^2$ then the dose band is 144mg.

1.3 Pick and Mix Tables

For the pick and mix tables the calculation of the doses is exactly the same as above – and the only difference is the presentation of the final product.

The pick and mix tables give the potential presentations of the syringes that can be used in order to make up the final dose required. Therefore the same rules apply as

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above when selecting the **dose band** but the final product is made up of a **combination of syringes**. See below for the worked example:

The dose that is required by the patient has been calculated to be <u>160mg</u> therefore using the below table we can see that depending on the maximum syringe size used for the drug (either 50mL or 30mL) the dose can be made up using a combination of either **two or three syringes** in this example.

Total	"Pick and Mix" syringe sizes (mg) to combine for total doses								
Dose	Using max syringe size 50mL				Using max syringe size 30mL				
(mg)	5mg	20mg	50mg	60mg	100mg	5mg	20mg	50mg	60mg
40		2					2		
45	1	2				1	2		
50			1					1	
55	1		1			1		1	
60				1					1
65	1			1		1			1
70		1	1				1	1	
75	1	1	1			1	1	1	
80		1		1			1		1
90		2	1				2	1	
100					1			2	
110			1	1				1	1
120				2					2
130		1	1	1			1	1	1
140		1		2			1		2
150			1		1			3	
160				1	1			2	1
180				3					3
200					2			4	

1.4 Drugs with Multiple Strengths

Some drugs are available in multiple strengths, including docetaxel, gemcitabine, fluorouracil, cytarabine and methotrexate. Each strength of a drug will have a different dose banding table. Use the table for the strength of raw material you or your supplier are using. Note that although fluorouracil is available as both 25mg/mL and 50mg/mL strengths, it appears only on the 50mg/mL table as these doses will work for both strengths.

