

September 2011

HbA1c – Where are you now?

The Haemoglobin A1c (HbA1c) assay is commonly used to indicate a person's average blood glucose (sugar) levels over the previous 2 to 3 months.

Laboratories in New Zealand and internationally are changing the way HbA1c results are reported. This will make it much easier to compare HbA1c results from different laboratories and research trials around the world.

While the results of the units are different, the test stays the same.

What is the new HbA1c?

The measurement is in millimoles per mole (mmol/mol) instead of percentage (%). The table shows how the old and new results compare.

The changes from the old units (percent) to the new units (mmol/mol) take place on **3 October 2011**.

HbA1c % (old units)	HbA1c mmol/mol (new units)
4	20
5	31
6	42
6.5	48
7	53
7.5	58
8	64
9	75
10	86
11	97
12	108
13	119
14	130
15	140
16	151
17	162
18	173
19	184
20	195
21	206
22	217
23	228

Your doctor or nurse may also talk about your HbA1c being in bands of 10, for example, the 50s or 60s. Here is how the results compare.

HbA1c % (old units)	HbA1c mmol/mol range (new units)
5.8	40
6.7	50
7.6	60
8.6	70
9.5	80
10.4	90
11.3	100
12.2	110
13	120
14	130
15	140
15.9	150