

HbA1c conversion tables

NZSSD Sept 2011

HbA1c Old	HbA1c New
%	mmol/mol
4.0	20
4.5	26
5.0	31
5.5	37
6.0	42
6.5	48
7.0	53
7.5	58
8.0	64
8.5	69
9.0	75
9.5	80
10.0	86
10.5	91
11.0	97
11.5	102
12.0	108
12.5	113
13.0	119
13.5	124
14.0	130
14.5	135
15.0	140
15.5	146
16.0	151

HbA1c New	HbA1c Old
mmol/mol	%
20	4.0
25	4.4
30	4.9
35	5.4
40	5.8
45	6.3
50	6.7
55	7.2
60	7.6
65	8.1
70	8.6
75	9.0
80	9.5
85	9.9
90	10.4
95	10.8
100	11.3
105	11.8
110	12.2
115	12.7
120	13.1
125	13.6
130	14.0
135	14.5
140	15.0
145	15.4
150	15.9

Exact equations are:

$$\begin{aligned} \text{New} &= 10.93 \times \text{Old} - 23.5 && \text{mmol/mol} \\ \text{Old} &= 0.0915 \times \text{New} + 2.15 && \% \end{aligned}$$

New HbA1c values are reported to the nearest integer e.g. 103 mmol/mol