Average Blood Glucose (eAG)

A1C Translation to Estimated Average Glucose (eAG) Units Will Yield Easier Patient Education. New more accurate formula used to convert A1c to average blood glucose.

A mathematical relationship between the average glucose level over the preceding three months and levels of the A1C test, thus yielding translation of the A1C for reporting as estimated average glucose (eAG), was proven in an international study published online in the August issue of *Diabetes Care, 2008.*

We want you to have a better understanding of your average blood glucose and how it affects your health. In the past we have provided you with an A1c reading that was indicative of your diabetes care. We are now providing you with an Average Blood Glucose Reading.

In order for us to help you understand this conversion we are providing you with the formula that we are using to convert your **A1c** to your **eAG**(average blood glucose).

eAG(mg/dl)	**equals**	**(28.7 X HbA1c) – 46.7**
_____mg/dl	**=**	**(28.7 x _____) – 46.7**

Please remember that this is the average of your glucose over the full 24hours of each day and comparing this to a single reading does not give you a direct correlation.

Comparison Chart

A1c %	NEW: eAG mg/dL. Average Mean Blood Glucose	Old mg/dL.
5	97	100
6	126	135
7	154	170
8	183	205
9	212	240
10	240	275
11	269	310
12	298	345

Diabetesincontrol.com June 11, 2008. Please reprint without permission