



## CHANGES TO HEMOGLOBIN A1c REPORTING

**APRIL 2015**

As of May 11, 2015, Gamma-Dynacare Medical Laboratories will report hemoglobin A1c (HbA1c) as a percentage (%), in accordance with the National Glycohemoglobin Standardization Program (NGSP) units. Clinicians are advised that adjustment of electronic medical record (EMR) software may be required, particularly when serial monitoring is performed. To convert prior reports, expressed as a decimal fraction, to NGSP units, results are multiplied by 100.

The revised reference interval for HbA1c in NGSP units (%) is summarized in the table below.

<b>Amendments to Reference Interval</b>				
<b>Test Name</b>	<b>Old Reference Interval</b>		<b>New Reference Interval (%)</b>	
HbA1c	Non-diabetic:	< 0.060	Non-diabetic:	< 6.0
	Prediabetes:	0.060 – 0.064	Prediabetes:	6.0 – 6.4
	Diabetic:	> 0.064	Diabetic:	> 6.4
	Optimal control:	< 0.070	Optimal control:	< 7.0
	Sub-optimal control:	0.070 – 0.084	Sub-optimal control:	7.0 – 8.4
	Inadequate control:	> 0.084	Inadequate control:	> 8.4

At this time, HbA1c will not be reported with the International Federation of Clinical Chemistry and Laboratory Medicine (IFCC) units (mmol/mol). To convert HbA1c from NGSP units to IFCC units, the following equation can be used:  $(\text{NGSP} = [0.09148 \times \text{IFCC}] + 2.152)$ . For more information, please refer to: <http://www.ngsp.org/ifcc.asp>.

For further information regarding the transition to NGSP units, please contact either of the undersigned.

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