Interpretative Information

Analyte: Hemoglobin A1c

Reference Interval (2):

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| --- | --- |
| American Diabetes Association (ADA) | % HbA1C |
| Normal | <5.7 |
| Pre-diabetes | ≥5.7 - <6.5 |
| Diabetes | ≥6.5 |

|  |  |  |  |
| --- | --- | --- | --- |
| Glycemic Goal (%HbA1C) | Children | Non-Pregnant Adults\* | Older Adults (>65 y) |
|  | Type 1 DM | Type 2 DM |  |  |
| Even less stringent | <8.0 |  |  |  |
| Less Stringent | <7.5 | <7.5 | <8.0 | <8.0 |
| General | <7.0 | <7.0 | <7.0 | <7.0 - 7.5 |
| More Stringent | <6.5 | <6.5 |  |  |

\*A target of <6.0% is optimal during pregnancy if it can be achieved without significant hypoglycemia

Comments:

Although HbA1C may be useful, it should be used as a secondary measure of glycemic outcomes in pregnancy, after blood glucose monitoring.

Hemoglobin A1c results are invalid for patients with abnormal amounts of HbF, including those with known Hereditary Persistence of Fetal Hemoglobin.

For diagnosis of diabetes in individuals without unequivocal hyperglycemia, results should be confirmed by repeat testing.

References

1. Abbott Alinity -c Hemoglobin A1c Product Insert (G72097R09)
2. Standards of Care in Diabetes—2023