**A1C Value Analysis**

**Overview**

This document provides a statistical analysis of A1C values from various LOINC codes, examining different measurement units and their respective data distributions.

The unit conversion:

A table with numbers and symbols

AI-generated content may be incorrect.

**LOINC Code: 4548-4**

**Definition:** Hemoglobin A1c/Hemoglobin.total in Blood

**Unique Units and Statistics**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Unit | Total Count | Minimum | Maximum | Mean | Standard Deviation |
| % | 3,758,888 | -9.6 | 1,555,555.0 | 8.99 | 1,497.70 |
| F | 3 | 6.1 | 7.6 | 6.93 | 0.62 |
| N | 1 | 5.4 | 5.4 | 5.4 | 0.0 |
| NI | 35,624 | 0.43 | 3,462.0 | 7.45 | 18.90 |
| OT | 32,746 | 3.7 | 568.0 | 6.86 | 4.12 |
| S | 1 | 10.8 | 10.8 | 10.8 | 0.0 |
| T | 3 | 6.0 | 8.2 | 7.10 | 0.90 |
| g/dL | 9 | 0.81 | 11.3 | 5.51 | 4.09 |
| mL | 4 | 4.9 | 5.3 | 5.125 | 0.18 |
| mL/dL | 1 | 5.7 | 5.7 | 5.7 | 0.0 |
| mL/min | 5 | 90.0 | 120.0 | 112.4 | 11.62 |
| mg/dL | 130 | 5.8 | 296.0 | 118.48 | 53.40 |
| mmol/mol | 51 | 5.4 | 14.0 | 8.88 | 2.46 |

**A group of graphs with numbers

AI-generated content may be incorrect.A group of graphs showing different sizes of bars

AI-generated content may be incorrect.**

**A graph with numbers and lines

AI-generated content may be incorrect.**

**LOINC Code: 17856-6**

**Definition:** Hemoglobin A1c/Hemoglobin.total in Blood by HPLC

**Unique Units and Statistics**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Unit | Total Count | Minimum | Maximum | Mean | Standard Deviation |
| % | 163,599 | 3.2 | 24.5 | 6.59 | 1.79 |
| NI | 5 | 5.4 | 7.2 | 5.96 | 0.64 |
| mg/dL | 4 | 117.0 | 215.0 | 159.5 | 35.37 |

**A graph of a number of blue bars

AI-generated content may be incorrect.**

**LOINC Code: 4549-2**

**Definition:** Hemoglobin A1c/Hemoglobin.total in Blood by Electrophoresis

**Unique Units and Statistics**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Unit | Total Count | Minimum | Maximum | Mean | Standard Deviation |
| % | 3,575 | 4.3 | 18.0 | 5.85 | 1.30 |

**A graph with numbers and a bar graph

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**LOINC Code: 41995-2**

**Definition:** Hemoglobin A1c [Mass/volume] in Blood

**Unique Units and Statistics**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Unit | Total Count | Minimum | Maximum | Mean | Standard Deviation |
| % | 77 | 4.5 | 14.0 | 6.99 | 1.98 |
| mg/dL | 186 | 76.0 | 442.0 | 123.99 | 43.89 |

A comparison of bar graph

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