# Sodium Correction for Hyperglycemia

## INPUTS

|  |  |
| --- | --- |
| Sodium | **Options:** |
| Glucose | **Options:** |

## FORMULA

Corrected Sodium (Katz, 1973) = Measured sodium + 0.016 \* (Serum glucose - 100)

Corrected Sodium (Hillier, 1999) = Measured sodium + 0.024 \* (Serum glucose - 100)

Note: Serum glucose must be in mg/dL for these formulae to work.

## FACTS & FIGURES

Hillier et. al (1999) evaluated 6 healthy subjects, induced hyperglycemia, and measured actual serum sodium levels, finding a sodium correction factor of 2.4mEq/L to be more accurate than the classically taught 1.6mEq/L correction factor from Katz, 1973.

## EVIDENCE APPRAISAL