For a predicted, the formulas will include predictors where patients are not under the positive pressure ventilation (as defined by Positive End-expiratory Pressure (PEEP) >0). Any value greater than the predicted is documented, PEEP <0.91kg/cm² is considered null and all tidal volume, inspiratory and expiratory values will be used in the formula.

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For patients ≥0 years old weight ≤121.09kg and height >121.9cm:

\[
\text{Weight (kg)} = \frac{\text{Height (cm)}}{100} \times \text{Height (cm)} - 100.8 \times \text{Age (years)} - 5 \times \text{Age (years)}^2 + 110.8
\]

For patients ≥0 years old weight ≥121.09kg and height >121.9cm:

\[
\text{Weight (kg)} = \frac{\text{Height (cm)}}{100} \times \text{Height (cm)} - 100.8 \times \text{Age (years)} - 5 \times \text{Age (years)}^2 + 110.8 + \text{Body Mass Index (BMI)}
\]

For patients ≥0 years old weight ≤121.09kg and height ≤121.9cm:

\[
\text{Weight (kg)} = \frac{\text{Height (cm)}}{100} \times \text{Height (cm)} - 100.8 \times \text{Age (years)} - 5 \times \text{Age (years)}^2 + 110.8 + \text{Body Mass Index (BMI)}
\]

For patients ≥0 years old weight ≥121.09kg and height ≤121.9cm:

\[
\text{Weight (kg)} = \frac{\text{Height (cm)}}{100} \times \text{Height (cm)} - 100.8 \times \text{Age (years)} - 5 \times \text{Age (years)}^2 + 110.8 + \text{Body Mass Index (BMI)}
\]