

Insulin Bolus Calculator

1. Calculate carbohydrate bolus

$$\boxed{} \div \boxed{} = \boxed{}$$

grams of carbohydrate **CARBOHYDRATE RATIO** carbohydrate bolus

2. Calculate correction bolus

$$\boxed{} - \boxed{} = \boxed{} \div \boxed{} = \boxed{}$$

blood glucose **CORRECTION TARGET** amount to correct **CORRECTION FACTOR** correction bolus

3. Calculate total insulin bolus

$$\boxed{} + \boxed{} = \boxed{} \Rightarrow \boxed{}$$

carbohydrate bolus correction bolus total rounded total insulin bolus

Carbohydrate Ratio:

How many grams of carbohydrates will be covered by one unit of insulin

Correction Factor:

How many points one unit of insulin will lower the blood glucose

Correction Target:

Target blood glucose value used to calculate insulin correction bolus

Rounding Rules for 1/2 Unit:

0.1 - 0.3 = round down to whole unit
0.4 - 0.7 = round to 1/2 unit
0.8 - 0.9 = round up to whole unit

Rounding Rules for Whole Unit:

0.1 - 0.4 = round down to whole unit
0.5 - 0.9 = round up to whole unit

DO NOT CALCULATE CORRECTION BOLUS:

- If your blood glucose is less than your correction target.
- If it has been less than 3 hours since your last carbohydrate or correction bolus
- If a low blood glucose has been treated in the past 3 hours
- If it has been less than one hour since vigorous exercise
- At bedtime or during the night until directed otherwise



NATIONWIDE CHILDREN'S
When your child needs a hospital, everything matters.SM