

Calculations for the Aid Tool

ICR:

Breakfast:

The rules below are modified depending on insulin sensitivity, which is determined by units per kg, as follows:

>1.4 = 70%

>1.2 = 80%

>1.0 = 90%

>0.6 = 100%

>0.4 = 110%

>0.3 = 120%

<0.3 = 130%

if(TDD >= 70){ event.value = 350/TDD;

if(TDD < 60){ event.value = 300/TDD;

if(TDD < 50){ event.value = 250/TDD;

if(TDD < 15){ event.value = 200/TDD;

if(TDD < 10){ event.value = 150/TDD;

ICR Rest of day:

The rules below are modified depending on insulin sensitivity, which is determined by units per kg, as follows:

>1.4 = 70%

>1.2 = 80%

>1.0 = 90%

>0.6 = 100%

>0.4 = 110%

>0.3 = 120%

<0.3 = 130%

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if(TDD >= 70){ event.value = 400/TDD;  
if(TDD < 60){ event.value = 350/TDD;  
if(TDD < 50){ event.value = 300/TDD;  
if(TDD < 15){ event.value = 250/TDD;  
if(TDD < 10){ event.value = 200/TDD;
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ISF

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if(TDD >= 30){ event.value = 130/TDD;  
if(TDD < 30){ event.value = 120/TDD;  
if(TDD < 15){ event.value = 110/TDD;
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Basal for T-Slim: % of TDD requested for Basal / 24 – then factored as below

00:00 – 07:00 = 0.9 (90%)

07:00- 10:00 = 1.1 (110%)

10:00-15:00 = 0.9 (90%)

15:00-19:00 = 1.0 (100%)

19:00 -00:00 = 1.1 (110%)

Basal for manual settings for others is simply: % of TDD requested for Basal / 24

All other settings are what the companies recommend in terms of max basal rates (2.5 x hourly basal rate), max bolus (50% TDD), low res (60% TDD).