

Calculations for the Aid Tool

Password for the Excel Calculator is **Maverick1\$** if you want to adjust to your clinic specifications

ICR Breakfast:

$<0.3 = 130\%$

if(TDD \geq 70){ event.value = 350/TDD to 450/TDD;

if(TDD $<$ 70){ event.value = 300/TDD to 400/TDD;

if(TDD $<$ 50){ event.value = 250/TDD to 350/TDD

if(TDD $<$ 15){ event.value = 200/TDD to 250/TDD;

if(TDD $<$ 10){ event.value = 150/TDD to 250/TDD;

ICR Rest of day:

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

if(TDD \geq 70){ event.value = 400/TDD to 500/TDD;

if(TDD $<$ 70){ event.value = 350/TDD to 450/TDD;

if(TDD $<$ 50){ event.value = 300/TDD to 400/TDD

if(TDD $<$ 15){ event.value = 250/TDD to 350/TDD;

if(TDD $<$ 10){ event.value = 200/TDD to 300/TDD;

ISF

if(TDD \geq 30){ event.value = 130/TDD;

if(TDD $<$ 30){ event.value = 120/TDD;

if(TDD $<$ 15){ event.value = 110/TDD;

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).