CareLink™ PRO

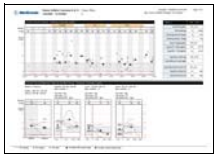
THERAPY MANAGEMENT SOFTWARE FOR DIABETES

Report Reference Guide

Medtronic

How to use this guide

Each type of CareLink™ Pro report and its components are described in the following sections. Report data used to generate the sample reports was from a fictitious patient.

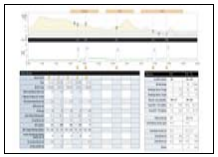


p.2 Sensor and Meter Overview Report This report summarizes meter glucose (and sensor glucose, if applicable), carbohydrate, and insulin data for a selected period. It provides an overview of a patient's glycemic control (daily, overnight, and at meal times) and comprehensive statistical data.

p.10 Adherence Report This report presents patient behavior data for a selected period. It provides a review of a patient's adherence according to the indices of glucose measurements, bolus events, and insulin pump activities.

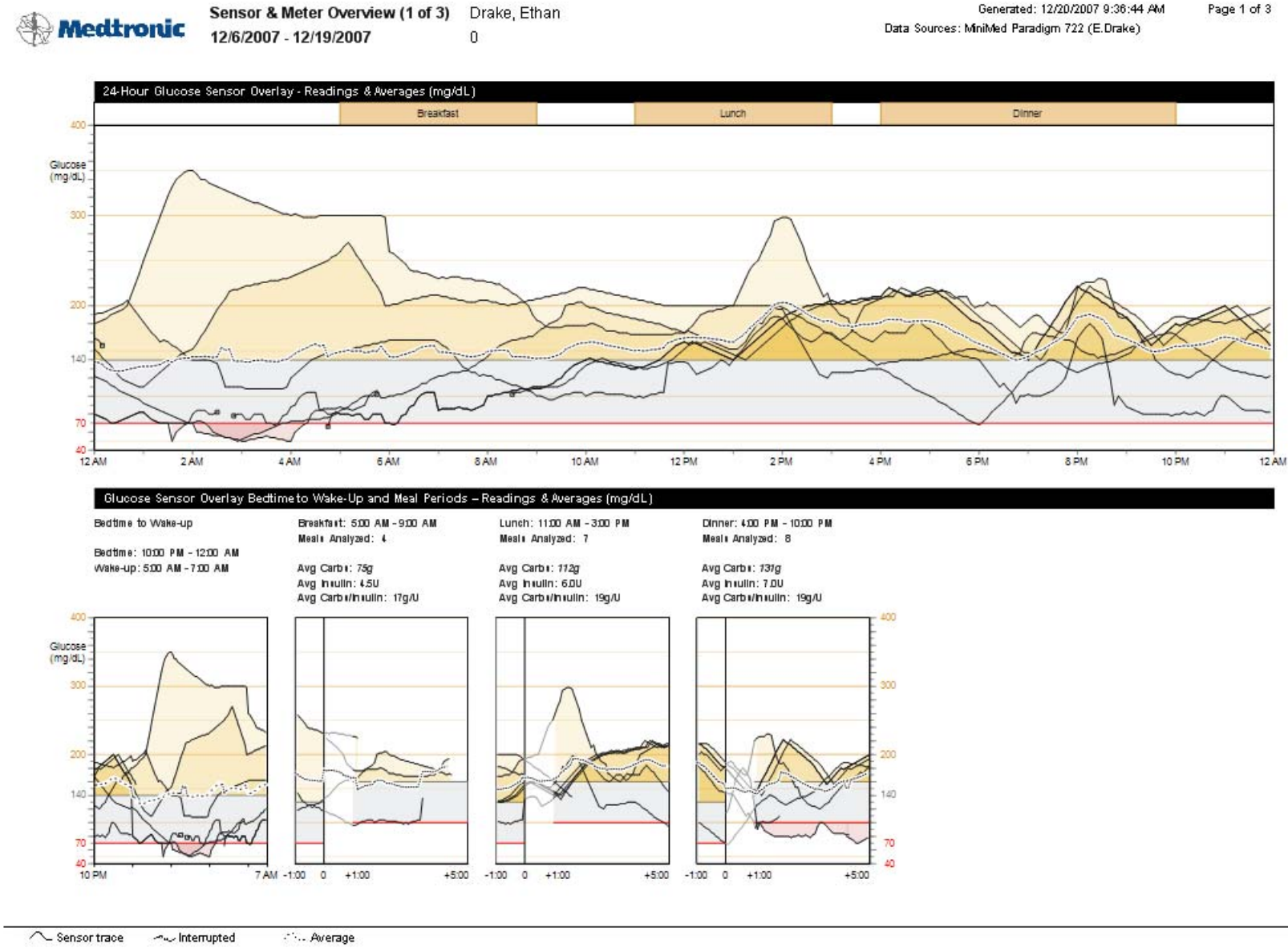
p.12 Logbook Report This report presents meter glucose, carbohydrate, and insulin data for each hour of a selected period. It provides a diary of events recorded hourly, as well as daily averages and totals.

p.15 Device Settings Report This report presents the settings of a patient's insulin pump at the time of a selected upload. It can be used to help interpret other reports or simply to document a patient's device settings.



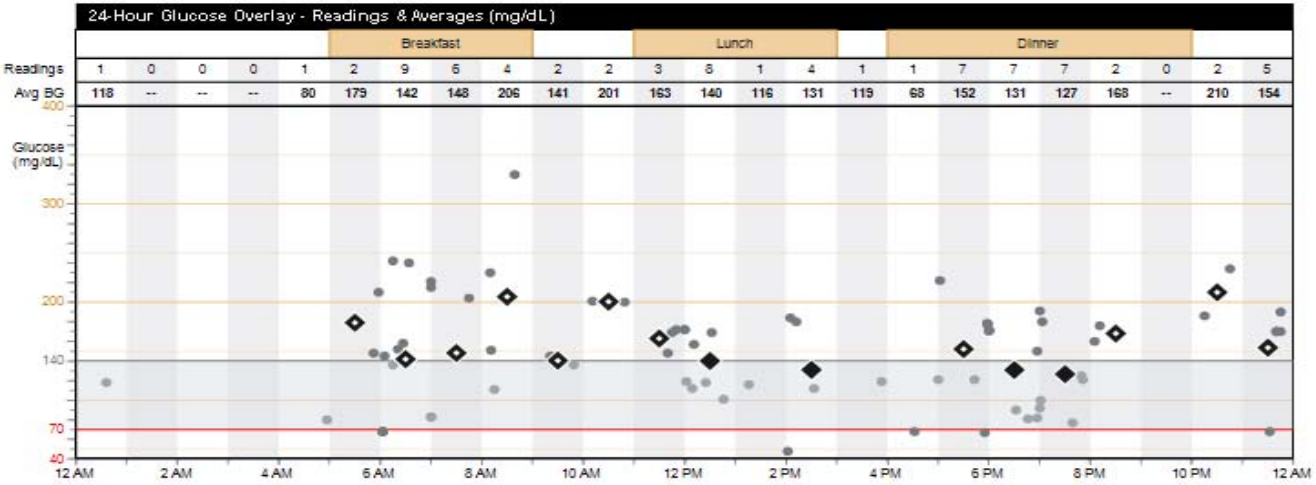
p.17 Daily Detail Report This report presents glucose, carbohydrate, and insulin data for a selected day. It provides the details of a patient's glycemic control, bolus events, basal activity, and comprehensive statistical data.

Sensor and Meter Overview Report



NOTE: This page displays only when you have sensor data.

24-Hour Glucose Overlay - Readings & Averages (mg/dL)



Statistics	12/6 - 12/19	
Avg BG (mg/dL)	147 ± 54	
BG Readings	75	5.9/day
Readings Above Target	43	57%
Readings Below Target	7	9%
Sensor Avg (mg/dL)	158 ± 55	
Avg AUC > 140 (mg/dL)	32.5	6d 17h
Avg AUC < 70 (mg/dL)	0.3	6d 17h

Avg Daily Carbs (g)	338 ± 104	
Carbs/Bolus Insulin (g/U)	18	

Avg Total Daily Insulin (U)	36.7 ±6.3	
Avg Daily Basal (U)	17.7	48%
Avg Daily Bolus (U)	18.9	52%

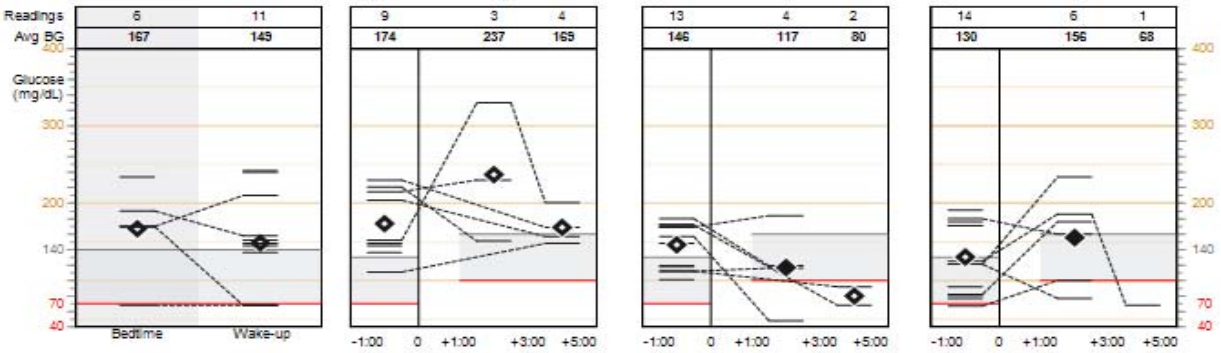
Glucose Overlay Bedtime to Wake-Up and Meal Periods – Readings & Averages (mg/dL)

Bedtime To Wake-up
Bedtime: 10:00 PM - 12:00 AM
Wake-up: 5:00 AM - 7:00 AM

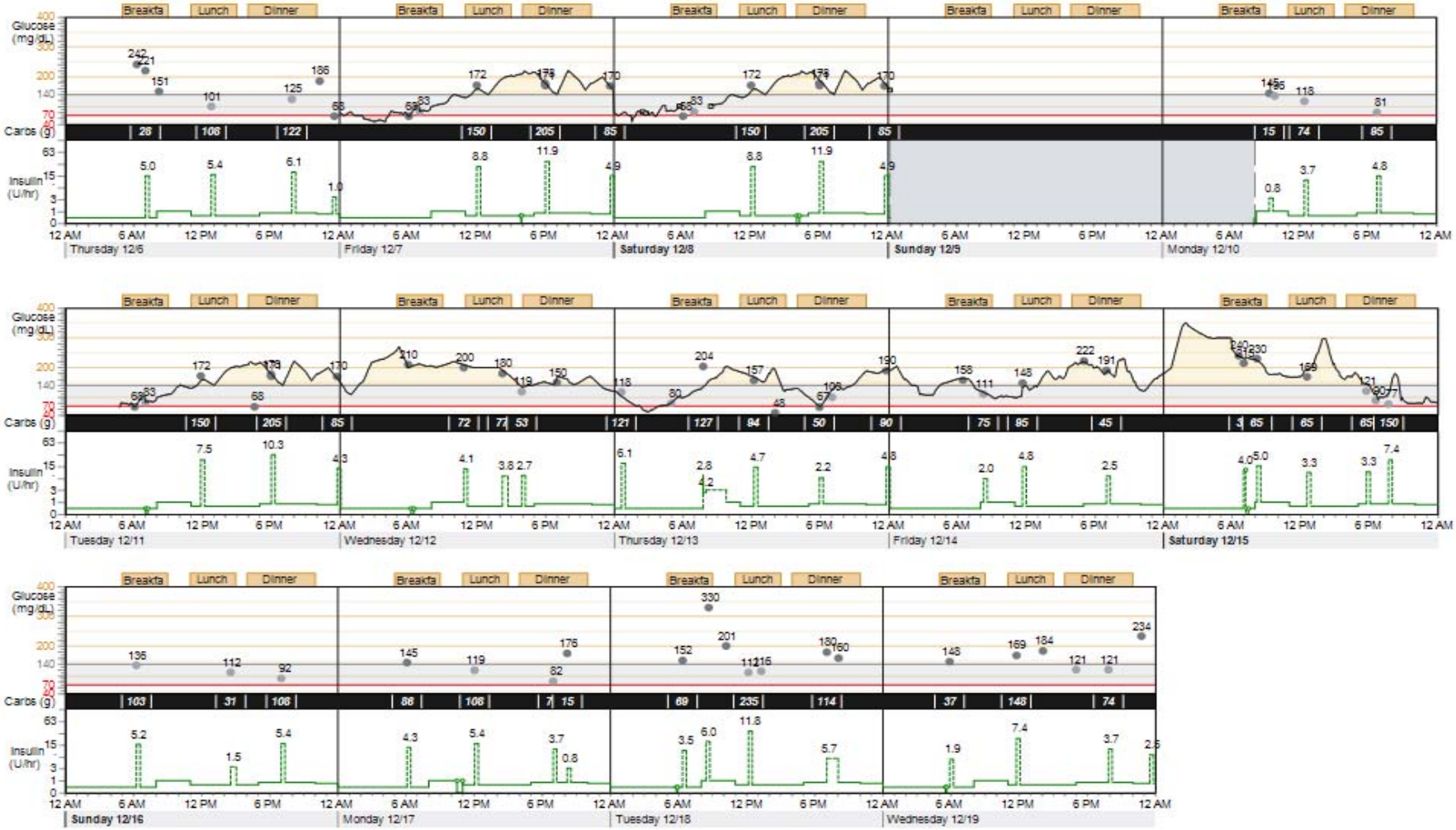
Breakfast: 5:00 AM - 9:00 AM
Meals Analyzed: 9
Avg Carbs: 69g
Avg Insulin: 4.2U
Avg Carbs/Insulin: 16g/U

Lunch: 11:00 AM - 3:00 PM
Meals Analyzed: 13
Avg Carbs: 114g
Avg Insulin: 5.9U
Avg Carbs/Insulin: 19g/U

Dinner: 4:00 PM - 10:00 PM
Meals Analyzed: 14
Avg Carbs: 109g
Avg Insulin: 5.7U
Avg Carbs/Insulin: 19g/U



BG reading | BG reading | Off chart | Average within target range | Average outside target range



Sensor trace | BG reading | Basal | Bolus | Suspend | Time change
Interrupted | Off chart | Temp basal | Injected insulin (U)

Sensor and Meter Overview Report at a glance

The Sensor and Meter Overview Report presents data from a patient's insulin pump, glucose meter(s), and glucose sensor. It highlights areas of interest for further investigation. This report can span multiple pages.

The report provides data to help you determine the level and quality of control your patient has over their diabetes. By viewing the different charts and graphs, you can identify where the quality of control varies within a typical day and across the reporting period.

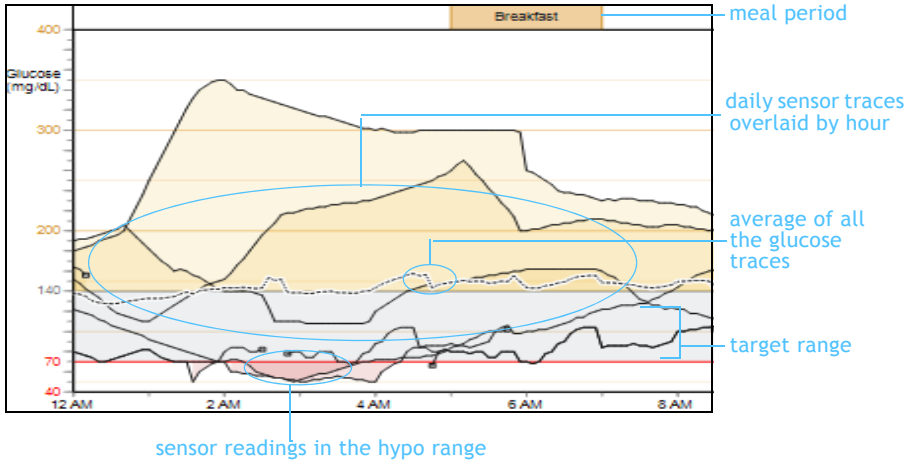
Symbol	Meaning
— or ●	BG reading: Glucose values reported by the pump or meter
	Off chart: Meter glucose value >400mg/dL (22.22 mmol/L) or <40mg/dL (2.22 mmol/L)
	Average within target range: The average of all glucose values falls within the patient's target range
	Average outside target range: The average of all glucose values falls above or below the patient's target range
	Sensor trace: Continuous trace recorded by a glucose sensor
	Interrupted: Interrupted communication between the sensor transmitter and the insulin pump
	Average: Average of all sensor glucose traces
	Basal: Continuous insulin delivery by insulin pump
	Temp Basal: Temporary change in the rate of basal insulin delivery
	Bolus: Insulin delivery by the pump used to prevent or treat high glucose
	Suspend: Suspension of all insulin delivery from the pump
	Time change: A time change occurred on the insulin pump
	Injected Insulin (U): A reported insulin injection

Sensor Overlay Charts and Graphs

NOTE: Sensor overlay charts and graphs display only when you have sensor data.

24-Hour Glucose Sensor Overlay—Readings and Averages

This graph combines the sensor glucose traces from each day on which a glucose sensor was worn. Time frames corresponding to the patient's meal periods are noted in yellow blocks above the graph. The patient's glucose target range is shaded gray. When the sensor glucose trace is above the target, the area between the trace and the target range is shaded pale yellow. When the sensor glucose trace is below the target, the area between the trace and the target is shaded pale red. The intensity of shading on this graph corresponds to the number of high or low excursions that occurred in this time period. The dotted line shows the average of sensor glucose traces.



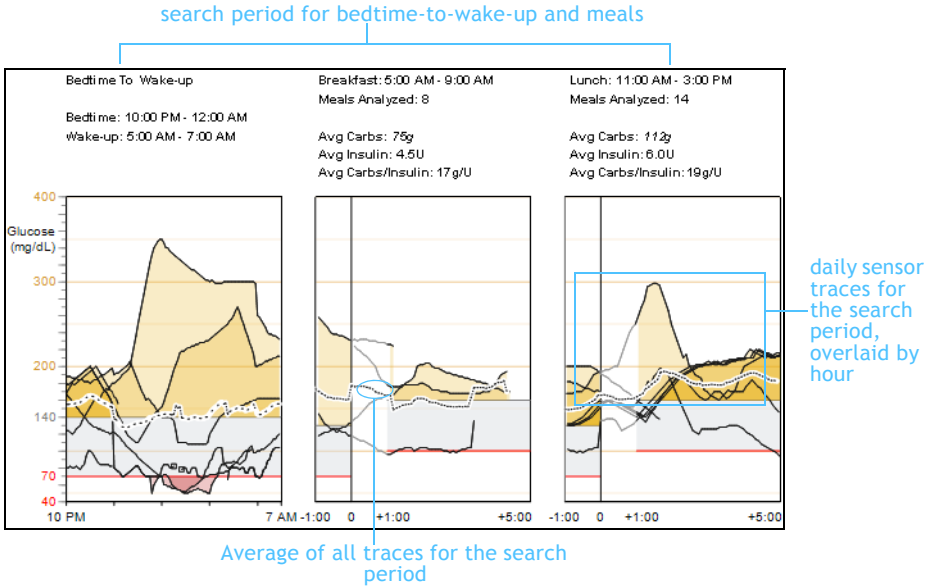
Glucose Sensor Overlay—Bedtime-to-Wake-up and Meal Periods—Readings and Averages

Bedtime-to-Wake-Up

This graph combines the sensor glucose trace recorded between bedtime and wake-up from each day on which a glucose sensor was worn during the reporting period. Bedtime and wake-up times are customized to the patient and listed above the graph. The patient's glucose target range is shaded gray. When the sensor glucose trace is above the target, the area between the trace and the target range is shaded pale yellow. When the sensor glucose trace is below the target, the area between the trace and the target is shaded pale red. The intensity of shading on this graph corresponds to the number of high or low excursions that occurred in this time period. The dotted line signifies the average of sensor glucose traces.

Meal Periods

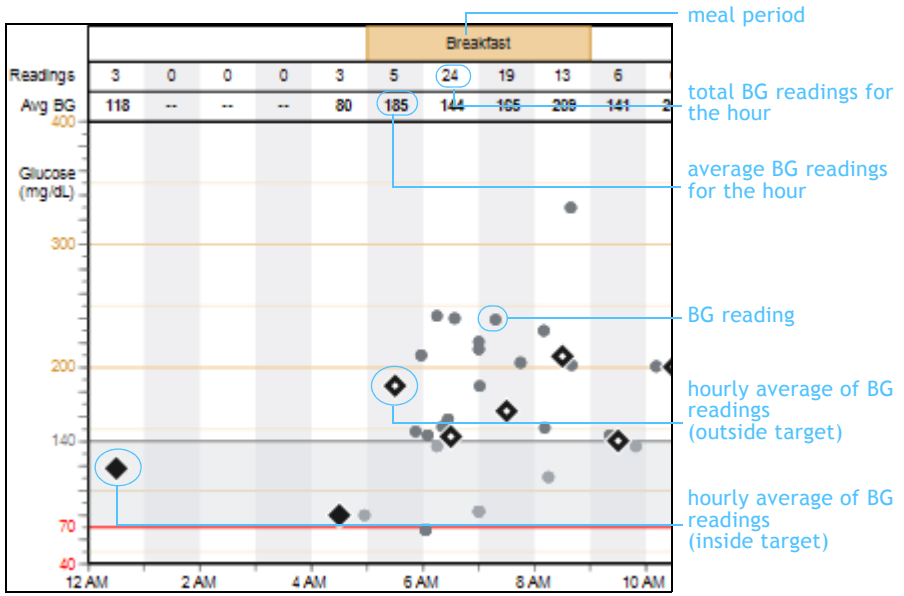
These graphs combine premeal and postmeal sensor glucose traces. The time frame, number of meals analyzed, carbohydrate intake, insulin averages, and average carbohydrate per unit of bolus insulin for each meal are listed above the graphs. The patient's glucose target range is shaded gray. When the sensor glucose trace is above the target, the area between the trace and the target range is shaded pale yellow. When the sensor glucose trace is below the target, the area between the trace and the target is shaded pale red. The intensity of shading on this graph corresponds to the number of high or low excursions that occurred in this time period. The dotted line signifies the average of sensor glucose traces for the meal period.



Meter Overlay Charts and Graphs

24-Hour Glucose Overlay—Readings and Averages

This graph displays hourly meter glucose values recorded during the reporting period. The pooled data helps to identify daily patterns in a patient's glucose management. The band at the top of the graph reports the number of blood glucose readings taken each hour and the average blood glucose reading. The blood glucose data is plotted below the band.



Statistics

The statistics table provides a summary of the measures described below.

Definitions

Avg BG (mg/dL): Average of all meter glucose values obtained and the standard deviation

BG Readings: Number of meter glucose values (total and daily average)

Readings Above Target: Number of meter glucose values above target (total and daily average)

Readings Below Target: Number of meter glucose values below target (total and daily average)

Sensor Avg (mg/dL or mmol/l): Average of all sensor glucose values obtained and the standard deviation

Avg AUC > 140 (mg/dL) or Avg AUC > 7.77 (mmol/L): Average exposure to hyperglycemia, with the high target shown based on patient's settings

Avg AUC < 70 (mg/dL) or Avg AUC < 3.88 (mmol/L): Average exposure to hypoglycemia, with the low target shown based on patient's settings

Avg Daily Carbs (g): Average daily carbohydrate intake and the standard deviation

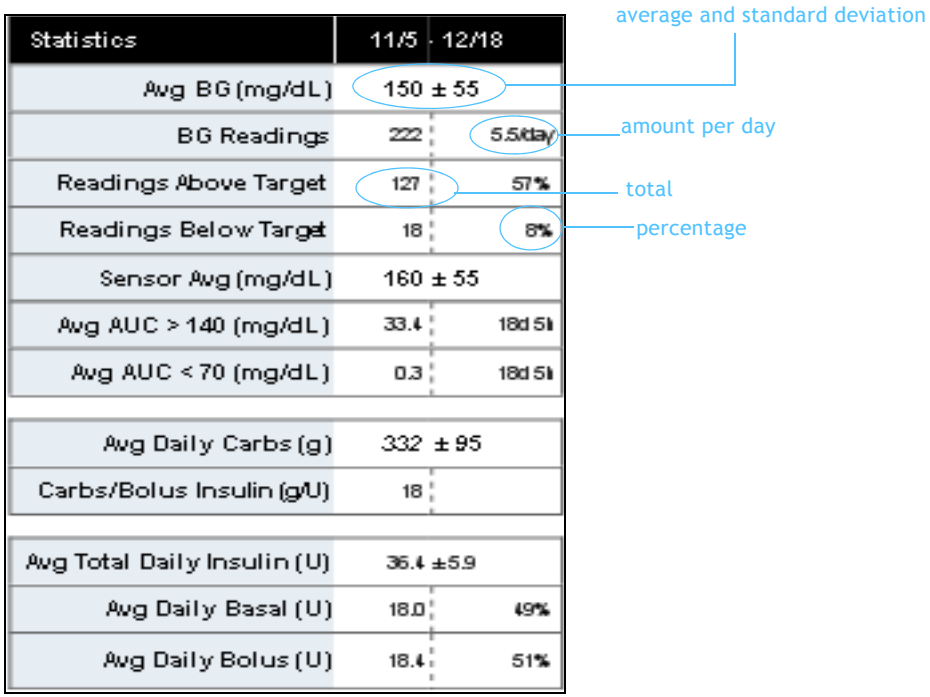
Carbs/Bolus Insulin (g/U): Average carbohydrate intake per unit of bolus insulin delivered

Avg Total Daily Insulin (U): Average basal and bolus insulin and the standard deviation

Avg Daily Basal (U): Average daily basal insulin (U and percentage of total)

Avg Daily Bolus (U): Average daily bolus insulin (U and percentage of total)

NOTE: Daily averages and standard deviations only reflect days containing 24 hours of continuous and complete device data. Days where time change events occurred or days containing partial data will be excluded from these calculations but will still be shown in graphs and totals.

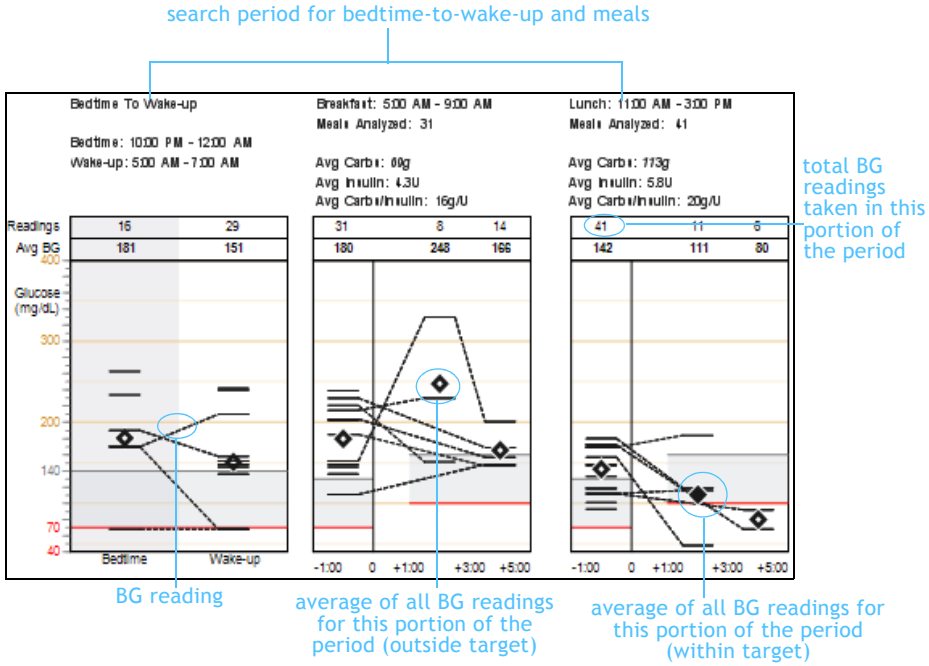


Glucose Overlay Bedtime-to-Wake-up and Meal Periods—Readings and Averages

The Bedtime-to-Wake-up Glucose Readings and Averages graph displays the last meter glucose value recorded during the defined Bedtime period and the first meter glucose value recorded during the defined Wake-up period from each day within the reporting period. Corresponding bedtime-to-wake-up glucose values are connected by a dotted line.

The Meal Period graphs (Breakfast, Lunch, and Dinner) combines pre-meal and post-meal meter glucose values from each day of the reporting period. The meter glucose values shown on these graphs are associated with a meal bolus.

If more than a 1 meter glucose value was obtained in a given period, the graph is generated using the meter glucose value that was most proximate to the bolus event. The graphs help to identify daily patterns in a patient's pre and post meal glucose values from up to 2 hours before and up to 5 hours after a meal.

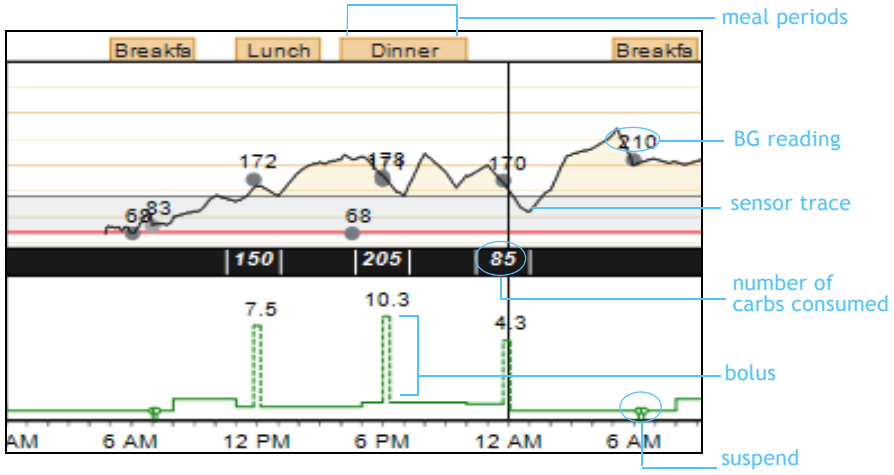


Glucose, Carbohydrates, Insulin

This graph includes sensor glucose values, meter glucose values recorded for calibration and as confirmatory fingersticks, carbohydrate intake recorded in the Bolus Wizard® calculator, basal and bolus insulin delivered, and injected insulin.

The patient's meal time periods are noted above the graph. When the sensor glucose trace is above the target, the area between the trace and the target range is shaded pale yellow. When the sensor glucose trace is below the target, the area between the trace and the target is shaded pale red.

If there are more than 14 days of data for the reporting period, this graph will span multiple pages.



Adherence Report

Medtronic

Adherence (1 of 1)
11/1/2007 - 11/14/2007

Drake, Ethan
0

Generated: 11/15/2007 1:38:19 PM
Data Sources: MiniMed Paradigm 722 (E.Drake)

	Glucose Measurements		Bolus Events					Priming Events					
	BG Readings	Sensor Duration (d:hh:mm)	Manual Boluses	Bolus Wizard Events	With Food	With Correction	Overridden	Rewind	Fixed Primes	Fixed Prime Volume (U)	Manual Primes	Manual Prime Volume (U)	Suspend Duration (h:mm)
Thursday 11/1/2007	3			3	3	1	1						
Friday 11/2/2007	7		1	3	3	1	1						
Saturday 11/3/2007	6	24:00		3	3	3	3						0:02
Sunday 11/4/2007	6	21:05		3	3	3	3						0:15
◔ Monday 11/5/2007		0:15											
◔ Tuesday 11/6/2007	4			3	3			1			1	3.1	
Wednesday 11/7/2007	7	19:15		3	3								0:11
Thursday 11/8/2007	5	24:00		3	3	1					1	0.5	0:15
Friday 11/9/2007	8	24:00		5	5	3	1						
Saturday 11/10/2007	5	24:00		3	3	2							
Sunday 11/11/2007	7	24:00		5	5	3	2						0:15
Monday 11/12/2007	3			3	3						1	0.9	
Tuesday 11/13/2007	4			4	4								0:30
Wednesday 11/14/2007	7		1	3	3								0:05
Summary	5.7/day	6d 16h 35m	0.2/day	3.4/day	100.0%	41.5%	26.8%	1	0	--	3	0.7U/prime	1:33

◔ Partial day

Note: Partial days will not be included in summary averages. Days on which a time change occured are considered to be partial days.

Adherence Report at a glance

The Adherence Report presents data from a patient's insulin pump, blood glucose meter(s), and glucose sensor (if used). It can provide insight into the patient's glucose management behavior. The Adherence Report summarizes up to 2 weeks of data. The sections of the report are described below.

Date column

The Partial Day symbol may appear in this column to indicate that only partial data for the day was obtained. This can occur when a time change was made on the pump.

Glucose measurements

The Glucose Measurements section contains columns for the number of meter readings and the duration of glucose sensor use.

Bolus events

The Bolus Events section consists of 5 columns that present total numbers for the following: (1) manual boluses, (2) Bolus Wizard events, (3) Bolus Wizard boluses with a food component, (4) Bolus Wizard boluses with a correction component, and (5) Bolus Wizard calculator overrides.

Priming events

The Priming Events section includes columns for the number of insulin pump rewinds, the number of fixed primes and fixed primes volumes, manual primes, and manual prime volumes.

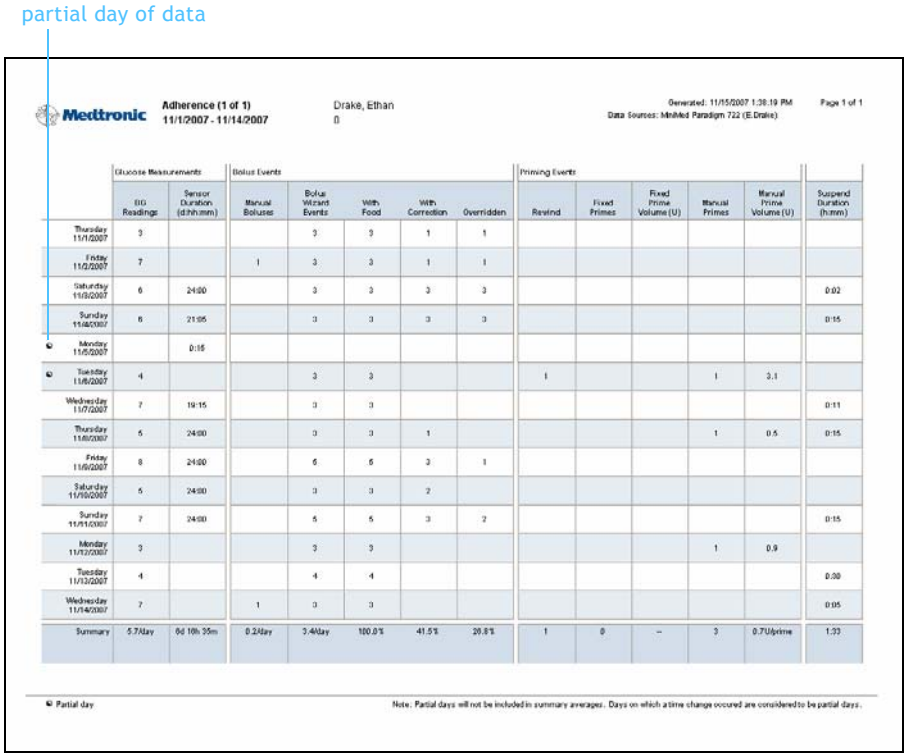
Pump suspends

The last column in the table shows the duration (hours and minutes) for which the insulin pump was suspended.

Summary row

The totals or daily averages are listed at the bottom of each column.

Symbol	Meaning
◔	Partial data: Day contains partial data. This data is shown in graphs and totals, but is not in daily averages or standard deviations.



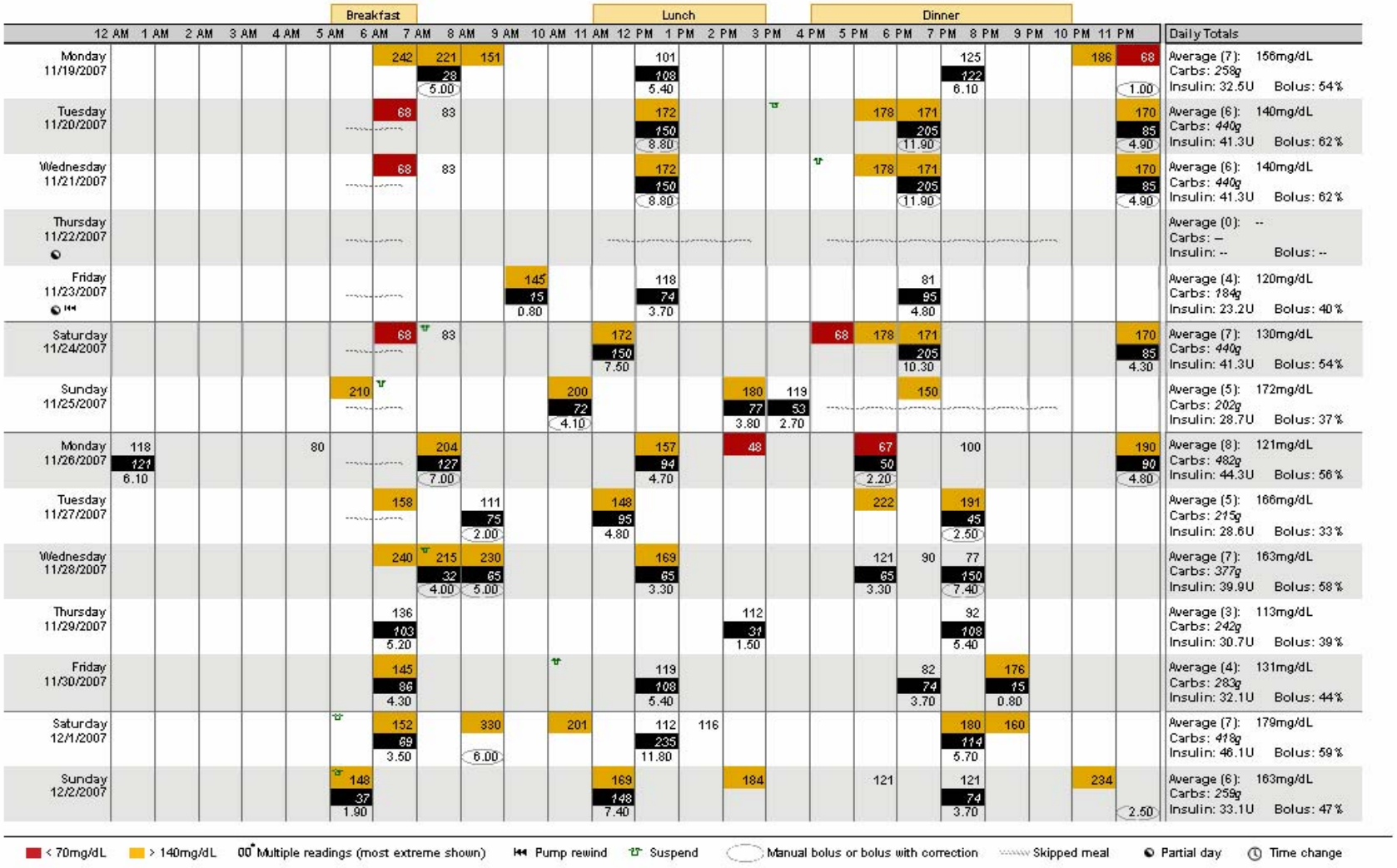
Logbook Report

Medtronic

Logbook (1 of 1)
11/19/2007 - 12/2/2007

Drake, Ethan
0

Generated: 12/3/2007 10:12:58 AM
Data Sources: MiniMed Paradigm 722 (E.Drake)



Logbook Report at a glance

The Logbook Report presents two weeks of data from a patient's insulin pump and blood glucose meter(s) in a tabular format. The table shows the reported days in rows and each hour in columns, creating data cells. There is no sensor data provided in this report.

Data cells

Each data cell in the reporting period corresponds to an hour within a day, and can contain up to three values: (1) meter, (2) grams of carbohydrates, and (3) units of insulin delivered as a bolus. Time frames that correspond to meals are highlighted at the top of the report. The next sections describe each data cell element.

Glucose values

Blood glucose values show in the top portion of a data cell. Glucose values above or below the patient's target range are highlighted. If multiple values were obtained for a single hour, it is indicated with a dot in the upper right corner of the glucose value, and the value considered most extreme is shown based on these priorities:

- The lowest of any values below the patient's target is shown.
- If there are no lows, but there are values above the patient's target, the highest of these is shown.
- If there are no lows or highs, the value farthest from the center of the patient's target range is shown.

Meals

Meal time frames correspond to the patient's specified meal periods and are called out at the top of the report. Carbohydrate values recorded from Bolus Wizard calculations are totaled for each hour in a meal period and are shown in a black box in the middle portion of the data cell. If there are no carbohydrate values recorded for an hour within a meal period, the Skipped meal symbol is shown.

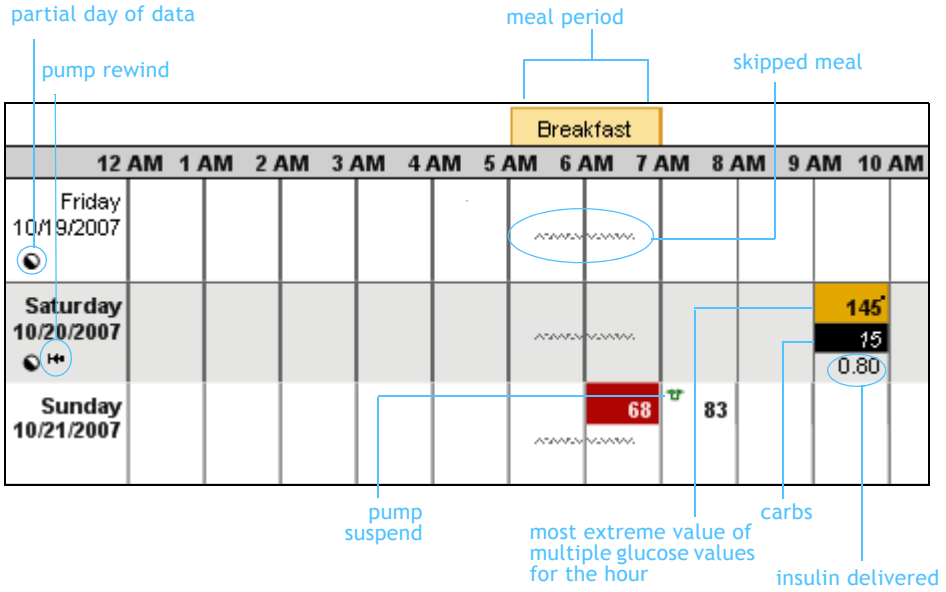
Symbol	Meaning
	Glucose <70 mg/dL (<3.88 mmol/L): Glucose value is below the patient's target low
	Glucose >140 mg/dL (>7.77 mmol/L): Glucose value is above the patient's target high
	Carbohydrate value: Total carbohydrate value; value shown is the total carbs consumed within the given hour on a given day
	Multiple readings: The most extreme value if multiple glucose values are obtained within an hour; priority is given to hypoglycemic values
	Pump rewind: Insulin pump rewind occurred (usually for a reservoir change, but also to fix occlusions)
	Suspend: Suspension of all insulin delivery by the insulin pump
	Manual bolus or bolus with correction: Delivered manual bolus or bolus calculated with the Bolus Wizard feature when the glucose meter reading is outside the patient's target range
	Skipped meal: No carbohydrates recorded during a meal time frame
	Time change: A time occurred on the insulin pump clock
	Partial data: Day contains partial data. This data is shown in graphs and totals, but is not in daily averages or standard deviations

Bolus

Boluses programmed within an hour are shown in the bottom portion of a data cell. If the bolus insulin value is from a manual bolus or Bolus Wizard correction, the value is circled.

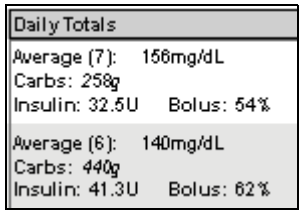
Suspends and time changes

If the patient's insulin pump was suspended, or a time change occurred on the pump clock, the corresponding symbol is shown in the upper left portion of each data cell for the hour(s) in which the event was recorded.

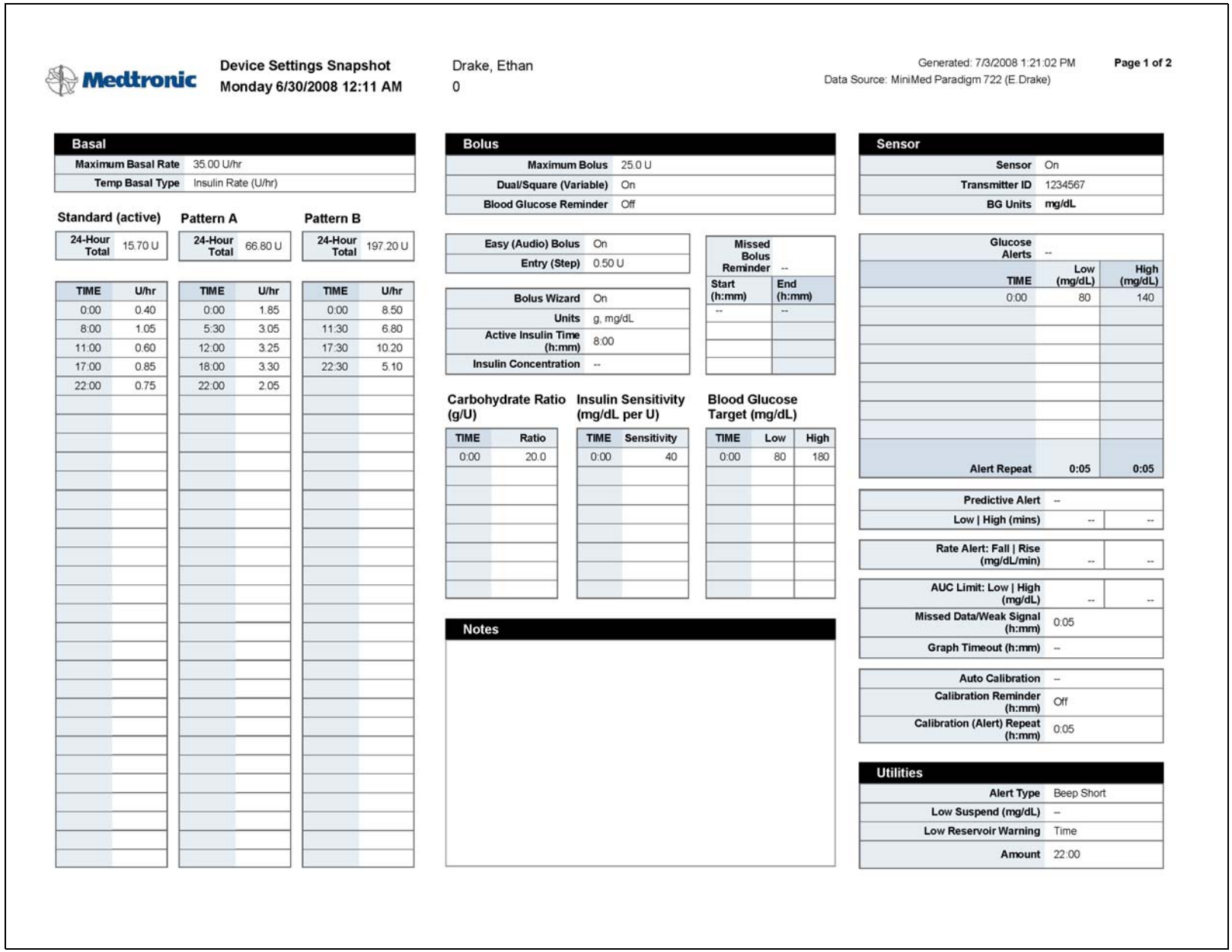


Daily Totals column

The Daily Totals column summarizes information from each day of the reporting period. The first line reports the daily meter glucose average and total meter readings taken. Total daily carbohydrate intake, based on the Bolus Wizard carbohydrate component, is listed on the second line. Finally, the total amount of insulin delivered, as well as that portion of the amount of insulin delivered as a bolus is expressed as a percentage on the third line.



Device Settings Snapshot



Medtronic

Device Settings Snapshot
Monday 6/30/2008 12:11 AM

Drake, Ethan
0

Generated: 7/3/2008 1:21:02 PM
Data Source: MiniMed Paradigm 722 (E.Drake)

Page 1 of 2

Basal

Maximum Basal Rate	35.00 U/hr
Temp Basal Type	Insulin Rate (U/hr)

Standard (active)		Pattern A		Pattern B	
24-Hour Total	15.70 U	24-Hour Total	66.80 U	24-Hour Total	197.20 U

TIME	U/hr
0:00	0.40
8:00	1.05
11:00	0.60
17:00	0.85
22:00	0.75

TIME	U/hr
0:00	1.85
5:30	3.05
12:00	3.25
18:00	3.30
22:00	2.05

TIME	U/hr
0:00	8.50
11:30	6.80
17:30	10.20
22:30	5.10

Bolus

Maximum Bolus	25.0 U
Dual/Square (Variable)	On
Blood Glucose Reminder	Off

Easy (Audio) Bolus	On
Entry (Step)	0.50 U

Bolus Wizard	On
Units	g, mg/dL
Active Insulin Time (h:mm)	8:00
Insulin Concentration	--

Missed Bolus Reminder --

Start (h:mm)	End (h:mm)
--	--

Carbohydrate Ratio (g/U)

TIME	Ratio
0:00	20.0

Insulin Sensitivity (mg/dL per U)

TIME	Sensitivity
0:00	40

Blood Glucose Target (mg/dL)

TIME	Low	High
0:00	80	180

Notes

Sensor

Sensor	On
Transmitter ID	1234567
BG Units	mg/dL

Glucose Alerts --

TIME	Low (mg/dL)	High (mg/dL)
0:00	80	140
Alert Repeat	0:05	0:05

Predictive Alert	--	
Low | High (mins)	--	--
Rate Alert: Fall | Rise (mg/dL/min)	--	--
AUC Limit: Low | High (mg/dL)	--	--
Missed Data/Weak Signal (h:mm)	0:05	
Graph Timeout (h:mm)	--	
Auto Calibration	--	
Calibration Reminder (h:mm)	Off	
Calibration (Alert) Repeat (h:mm)	0:05	

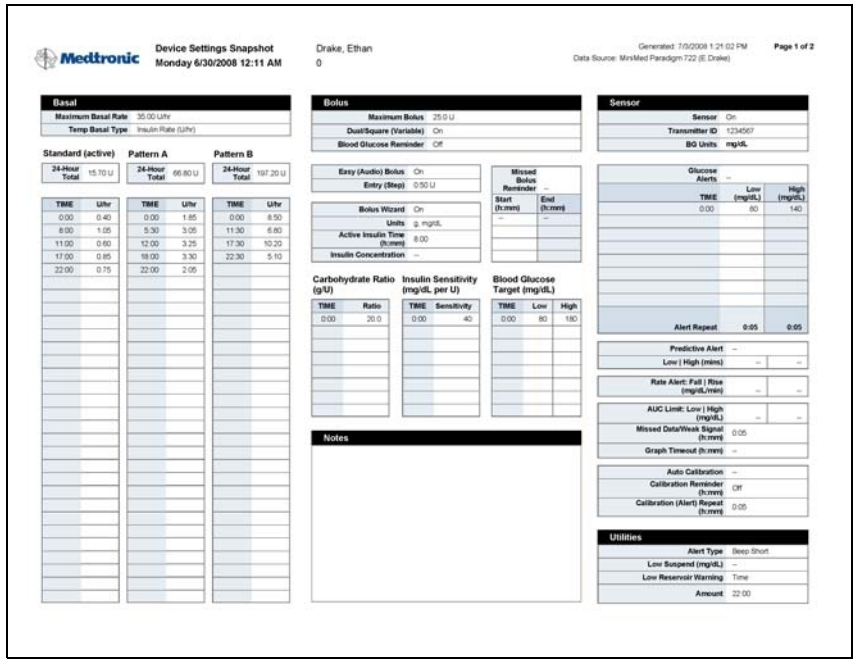
Utilities

Alert Type	Beep Short
Low Suspend (mg/dL)	--
Low Reservoir Warning	Time
Amount	22:00

Device Settings Snapshot at a glance

The Device Settings Snapshot report presents the customized settings of a patient's insulin pump that were active on the date and time when the patient's device was read.

The report presents tables of settings that correspond to the main menus on the device: Basal, Bolus, Sensor, and Utilities.



Daily Detail Report

Medtronic

Daily Detail (1 of 1)
Thursday 6/19/2008

Drake, Ethan
0

Generated: 7/3/2008 1:21:02 PM
Data Sources: MiniMed Paradigm 722 (E.Drake)

Bolus Events	1	2	3	4	5
Bolus Event					
Time	7:00 AM	8:10 AM	12:32 PM	5:43 PM	7:39 PM
Bolus Type	Normal	Normal	Normal	Normal	Normal
Delivered Bolus Norm (U)	4.0	5.0	3.3	3.3	7.4
+ Square Portion (U, h:mm)	--	--	--	--	--
Recommended Bolus (U)	2.5	3.7	3.3	3.3	7.4
Difference (U)	1.5	1.3	--	--	--
Carbs (g)	*32*	*65*	*65*	*65*	*150*
Carb Ratio Setting (g/U)	20.0	20.0	20.0	20.0	20.0
Food Bolus (U)	1.6	3.2	3.3	3.3	7.5
BG (mg/dL)	**215**	**230**	**169**	**121**	**77**
BG Target Setting (mg/dL)	80 - 180	80 - 180	80 - 180	80 - 180	80 - 180
Insulin Sensitivity Setting (mg/dL per U)	40	40	40	40	40
Correction Bolus (U)	0.9	1.3	--	--	-0.1
Active Insulin (U)	--	3.3	--	--	2.2

Statistics	6/19		6/19 - 7/2	
Avg BG (mg/dL)	**163**		**152 ± 56**	
BG Readings	7		68	5.3/day
Readings Above Target	4	57%	39	57%
Readings Below Target	--	0%	5	7%
Sensor Avg (mg/dL)	**199 ± 77**		**160 ± 63**	
Avg AUC > 141 (mg/dL)	68.3	1d 0h	36.3	3d 17h
Avg AUC < 70 (mg/dL)	0.0	1d 0h	0.4	3d 17h

Daily Carbs (g)	*377*		*340 ± 81*	
Carbs/Bolus Insulin (g/U)	16.4		17.5	

Total Daily Insulin (U)	39.9		37.0 ± 5.1	
Daily Basal (U)	16.9	42%	17.5	47%
Daily Bolus (U)	23.0	58%	19.5	53%
Primes	--	--	3	4.9U

Sensor trace · BG reading · Linked BG · Basal · Bolus · Suspend · Time change · Alarm · Glucose alert
Interrupted · Off chart · Calibration BG · Temp basal · Pump rewind · Injected insulin (U)

Daily Detail Report at a glance

The Daily Detail Report presents data from a patient's insulin pump, blood glucose meter(s), and glucose sensor (if used) to provide insight into a patient's control, including response to carbohydrate intake and insulin use. This report covers one day of data and is divided into the three areas described in the next sections.

Symbol	Meaning
	Sensor trace: Continuous trace recorded by a glucose sensor
	Interrupted: Interrupted communication between the sensor transmitter and the insulin pump
	BG reading: Glucose value recorded by a meter
	Off chart: Meter glucose value >400 mg/dL (22.22 mmol/L) or <40 mg/dL (2.22 mmol/dL)
	Linked BG: Meter BG values automatically sent to the insulin pump from a wireless link meter
	Calibration BG: Meter glucose value used to calibrate a sensor
	Basal: Continuous insulin delivery by insulin pump
	Temp Basal: Temporary change in the rate of basal insulin delivery
	Bolus: Insulin delivery by the pump used to prevent or treat high glucose level
	Suspend: Suspension of all insulin delivery from the insulin pump
	Time change: A time change occurred on the insulin pump
	Sensor alarm: Condition related to sensor functionality caused an alarm to be recorded on the pump. Sensor alarms appear in the glucose band of the chart while pump alarms appear in the insulin band.
	Injected Insulin (U): Patient reported an insulin injection
	Glucose Alert: High or rising glucose alert reported. Low or falling glucose alert reported. Predictive alerts are also reported.
	Pump rewind: Insulin pump rewind occurred (usually for a reservoir change, but also to fix occlusions)

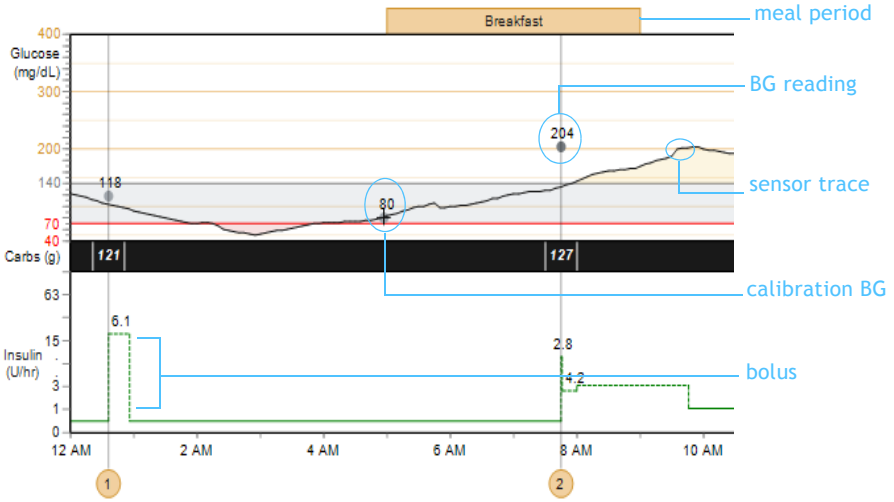
Glucose, Carbohydrates, and Insulin

This graph provides a review of the patient's glucose levels, carbohydrate intake, and insulin use during the selected day. The graph includes meter glucose values, sensor glucose values (if a sensor is used), carbohydrate intake recorded in the Bolus Wizard calculator, basal and bolus insulin delivered, and injected insulin. Customized time frames that correspond to the patient's meal periods are noted in yellow blocks above the graph.

Circled numbers at the bottom of the graph correspond to entries in the Bolus Events table (located at the bottom of the report). The patient's glucose target range is shaded gray. When the sensor glucose trace is above the target, the area between the trace and the target range is shaded pale yellow. When the sensor glucose trace is below the target, the area between the trace and the target is shaded pale red.

Blood glucose meter readings are represented by dots with corresponding numerical values. Carbohydrate intake is shown in the black band below the glucose readings. The green trace at the bottom of the graph outlines insulin delivery from the pump, including basal and temporary basal rates, boluses, and suspends.

NOTE: Insulin delivery is shown in units per hour on a logarithmic scale. This allows basal delivery changes, which are relatively small, to be visible so they can be shown in context with any boluses that were delivered.



Bolus Events Data

The Bolus Events data table shows a summary of measures and Bolus Wizard calculator settings for each bolus event. Bolus events numbered at the top of the data table correspond to the circled numbers along the X-axis of the Glucose, Carbohydrates, and Insulin graph at the top of the report. The table items are described below.

Bolus Event: Cross-reference to the Glucose, Carbohydrates, Insulin graph

Time: The time that the bolus event occurred

Delivered Bolus Norm (U) + Square Portion: Actual delivered bolus broken down into normal and square amounts

Recommended Bolus (U): Bolus recommended by the Bolus Wizard calculator

Difference (U): Difference between the Delivered Bolus and the Recommended Bolus

Carbs (g): Carbohydrate intake

Carb Ratio Setting (g/U): Displays the setting used to calculate the food portion of the recommended bolus

Food Bolus (U): Insulin used to cover carbohydrate intake (Food Bolus + Correction Bolus = Recommended Bolus)

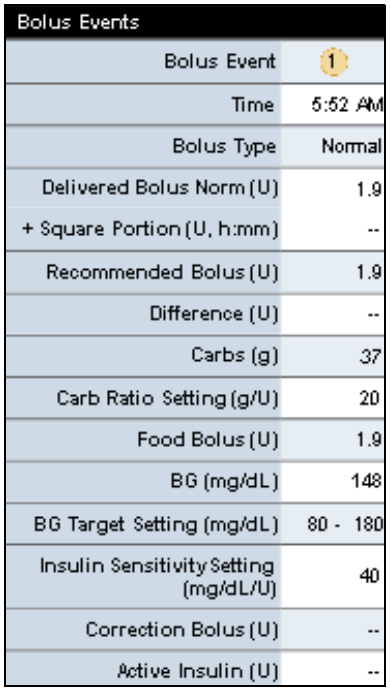
BG (mg/dL or mmol/L): Meter glucose value associated with the bolus event

BG Target Setting (mg/dL or mmol/L): Glucose target range (based on patient's settings)

Insulin Sensitivity Setting (mg/dL/U or mmol/L/U): The decrease in glucose caused by 1 Unit of insulin (based on patient's settings)

Correction Bolus (U): Insulin used to correct a high glucose level (Food Bolus + Correction Bolus = Recommended Bolus)

Active Insulin (U): Delivered bolus insulin that has not yet been absorbed



Bolus Events	
Bolus Event	1
Time	5:52 AM
Bolus Type	Normal
Delivered Bolus Norm (U)	1.9
+ Square Portion (U, h:mm)	--
Recommended Bolus (U)	1.9
Difference (U)	--
Carbs (g)	37
Carb Ratio Setting (g/U)	20
Food Bolus (U)	1.9
BG (mg/dL)	148
BG Target Setting (mg/dL)	80 - 180
Insulin Sensitivity Setting (mg/dL/U)	40
Correction Bolus (U)	--
Active Insulin (U)	--

Statistics

The Statistics table information, combined with the other report items, provides a way to compare patient performance across different reporting periods and detect areas warranting further investigation.

The first two columns provide detailed statistics and averages for the specified day. The last 2 columns provide details for the entire reporting period.

The Statistics table outlines the data described below.

Avg BG (mg/dL or mmol/L): Average of all meter glucose values obtained

BG Readings: Total number of meter glucose values

Readings Above Target: Total number of meter glucose values above target

Readings Below Target: Total number of meter glucose values below target

Avg Sensor Gluc. (mg/dL or mmol/L): Average of all sensor glucose values and the standard deviation

Avg. AUC > 140 (mg/dL) or Avg AUC > 7.77 (mmol/L): Average exposure to hyperglycemia (value based on patient's target range)

Avg. AUC < 70 (mg/dL) or Avg AUC < 3.88 (mmol/L): Average exposure to hypoglycemia (value based on patient's target range)

Daily Carbs (g): Total daily carbohydrate intake

Carbs/Bolus Insulin (g/U): Average carbohydrate intake per unit of bolus insulin

Total Daily Insulin (U): Average of total basal and bolus insulin use

Daily Basal: Average of daily basal insulin (U and percentage of Total Daily Insulin)

Daily Bolus: Average of daily bolus insulin (U and percentage of Total Daily Insulin)

Primes: Number of pump prime events and units of insulin used for the prime

Statistics	11/15		11/15 - 12/12	
Avg BG (mg/dL)	163		152 ± 54	
BG Readings	6		138	5.4/day
Readings Above Target	4	67%	82	59%
Readings Below Target	–	0%	12	9%
Sensor Avg (mg/dL)	--		157 ± 53	
Avg AUC > 140 (mg/dL)	–	–	31.4	10d 9h
Avg AUC < 70 (mg/dL)	–	–	0.4	10d 9h
Daily Carbs (g)	259		331 ± 92	
Carbs/Bolus Insulin (g/U)	17		18	
Total Daily Insulin (U)	33.1		36.3 ±5.4	
Daily Basal (U)	17.6	53%	17.6	49%
Daily Bolus (U)	15.5	47%	18.6	51%
Primes	–	–	7	9.9U

NOTE: If a Bolus Wizard feature event occurred, but the resulting bolus was cancelled before delivery, this table will reflect the Bolus Wizard event but not the bolus.