



Telenet**Doctor**TM

interaktívna preventívna
telemedicínska platforma

Cieľ

- ▶ **TelenetDoctor™** sa usiluje o poskytnutie účinného praktického riešenia pre jednoduchú (tele-)komunikáciu pri poskytovaní zdravotnej starostlivosti tým, ktorí to najviac potrebujú
- ▶ Základným princípom **TelenetDoctor™** je zachovanie vzťahu a interaktivity medzi lekárom a pacientom s použitím globálneho monitorovacieho systému
- ▶ **TelenetDoctor™** podporuje aktívnu účasť pacientov v liečebnom procese, ich informovanosťou, edukáciou a starostlivosťou o seba. Aktívna účasť pacientov na liečebnom procese a ich spolupráca je kľúčovým prvkom dosiahnutia cieľa preventívnej zdravotnej starostlivosti.

Očakávania telemedicíny

- ❑ Zachovanie vzťahu a interaktivity medzi lekárom a pacientom
- ❑ Interaktívne včasné varovanie
- ❑ Vzdialené monitorovanie vitálnych funkcií klientov
- ❑ Monitorovanie spolupráce klientov
- ❑ Monitorovanie dodržiavania liekového manažmentu / ordinácii
- ❑ Vzdialená liečba a vzdelávanie klientov
- ❑ Zjednodušenie prístupu k všeobecnému lekárovi
- ❑ Zameniteľnosť periférnych zariadení rôznych výrobcov
- ❑ Merania špecifické pre chorobu
- ❑ Diagnostika a monitorovanie pacientov s ochoreniami srdca (Holter)
- ❑ Priebežné sledovanie diabetických pacientov
- ❑ Priebežné sledovanie pacientov s neurologickými ochoreniami
- ❑ Priebežné sledovanie pacientov s chronickou obštrukčnou chorobou pľúc
- ❑ Sebahodnotenie (v rámci psychiatrického ochorenia; stres; nálada)
- ❑ Hodnotenie zdravotného stavu manažéra
- ❑ Priebežné monitorovanie športovcov


Predstavenie **TelenetDoctor**™ interaktívnej preventívnej platformy

- ▶ **TelenetDoctor**™ je personalizovaný systém vzdialeného monitorovania klienta, ktorý umožňuje poskytovateľom sledovať svojich klientov nepretržite a interaktívne
- ▶ dostupné monitorovacie funkcie môžu byť individuálne vyšpecifikované podľa ochorenia na báze najmodernejších telemetrických technológií
- ▶ všetky klientom zaznamenané údaje sú postúpené poskytovateľovi, ktorý na základe analýzy údajov môže upraviť terapiu alebo potvrdiť jej účinnosť
- ▶ počas vývoja systému máme neustále na zreteli poskytovanie nákladovo efektívneho liečebného-preventívneho riešenia starostlivosti o klienta
- ▶ **TelenetDoctor**™ platforma poskytuje interaktívne nepretržité monitorovanie klientov, ktoré vedie k cenovo dostupnej, nákladovo efektívnej zdravotnej starostlivosti s možnosťou znižovania fyzickej návštevnosti amb. VLD

Aktuálne monitorovacie schopnosti **TelenetDoctor™** platformy

- ▶ Glykémia (hladiny krvného cukru)
- ▶ Prediktívny glykolyzovaný Hb (HbA1c)
- ▶ Hladiny krvného cholesterolu
- ▶ Kontinuálny monitoring srdca (EKG)
- ▶ Krvný tlak; pulz
- ▶ Telesná hmotnosť; BMI
- ▶ Saturácia krvi kyslíkom (SpO2)
- ▶ Liekový manažment
- ▶ Monitoring telesnej teploty
- ▶ Sebahodnotenie (bolesť, stres, nálada)
- ▶ Monitorovanie účinnosti liečba Parkinsonovej choroby
- ▶ História/trendy vývoja zdravotného stavu
- ▶ Diagnostika a monitorovanie spánkového apnoe v domácnosti
- ▶ Video konferencia
- ▶ Žiadosť o Pomoc
- ▶ **Parametre je možné pridať podľa potrieb zákazníka** (napr. spirometria)

Klientske rozhranie – Login



Telenet **Doctor**

LOG IN

E-mail

Password

Remember me [Forgot my password](#)

LOG IN

v 1.0.1 (10) - US

Klientske rozhranie – Domovská stránka



Klientske rozhranie – Multimediálna obrazovka – vyvinutá pre cieleňú edukáciu



Klientske rozhranie – meranie hladiny krvného cukru

Manual blood glucose measu TECHNICAL SUPPORT HELP

Enter your blood glucose reading

Blood glucose

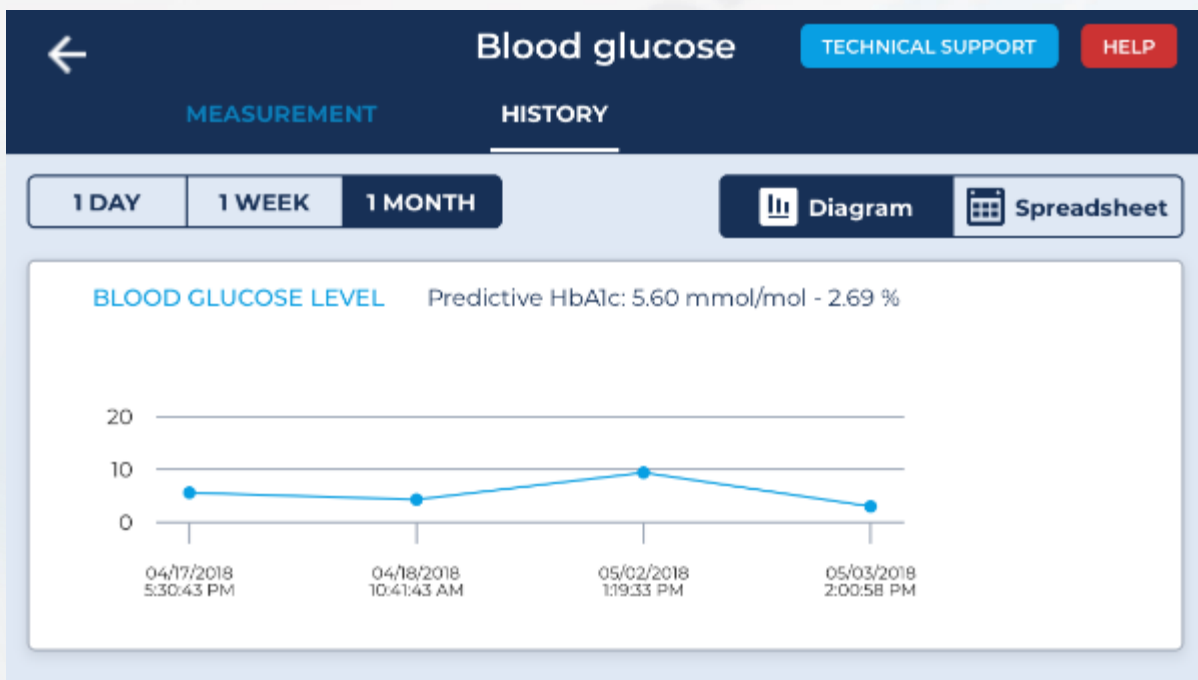
mmol/l

1	2	3
4	5	6
7	8	9
0	.	X

Using the keypad, enter your blood glucose reading and press NEXT and then SEND to forward data to the doctor.

CANCEL NEXT

Klientske rozhranie – história merania hladín krvného cukru



Blood glucose TECHNICAL SUPPORT HELP

MEASUREMENT HISTORY

1 DAY 1 WEEK 1 MONTH Diagram Spreadsheet

TIME	BLOOD GLUCOSE LEVEL	MEASUREMENT MODE
05/03/2018 2:00:58 PM	3 mmol/l	Manual
05/02/2018 1:19:33 PM	9.4 mmol/l	Manual
04/18/2018 10:41:43 AM	4.3 mmol/l	Manual
04/17/2018 5:30:43 PM	5.6 mmol/l	Manual

Klientske rozhranie – meranie krvného tlaku

The screenshot shows the 'Blood pressure' screen in the Telenet Doctor app. At the top, there is a dark blue header with a back arrow on the left, the title 'Blood pressure' in the center, and two buttons: 'TECHNICAL SUPPORT' (blue) and 'HELP' (red). Below the header, there are two tabs: 'MEASUREMENT' (active, underlined) and 'HISTORY'. The main content area is divided into two sections. On the left, there is a video thumbnail titled '5 Major Effects of High Bloo...' showing a human torso with kidneys and a red play button. Below the thumbnail is the text '5 Major Effects of High Blood Pressure'. On the right, there is a section titled 'Touch an icon below to select your test method.' with three buttons: 'AUTOMATIC' (circled in red), 'MANUAL', and 'TUTORIAL'. Each button has an icon and a description of its function.

← Blood pressure TECHNICAL SUPPORT HELP

MEASUREMENT HISTORY

5 Major Effects of High Bloo...

5 Major Effects of High Blood Pressure

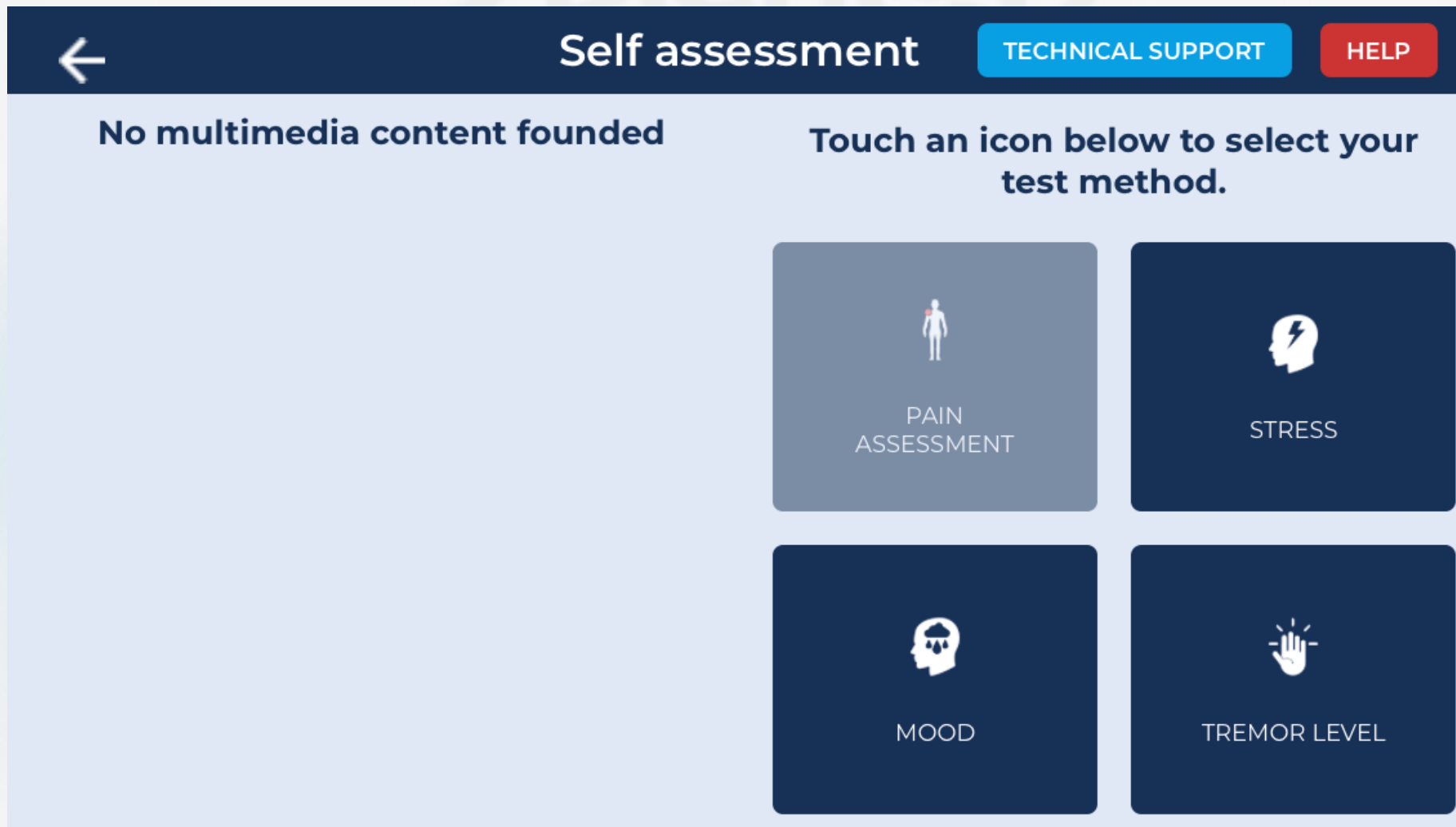
Touch an icon below to select your test method.

AUTOMATIC
Select "AUTOMATIC" to use interconnected devices for measurement.

MANUAL
Select "MANUAL" to enter your measurement values by hand.

TUTORIAL
Select "TUTORIAL" to learn how to use your measurement device.

Klientske rozhranie – Sebahodnotenie (bolesť, stres, nálada a tremor monitoring)



Klientske rozhranie – Sebahodnotenie (bolesť, **stres**, nálada a tremor monitoring)

← Stress Measurement TECHNICAL SUPPORT HELP

MEASUREMENT HISTORY

Terrible Symptoms of Stress

SYMPTOMS OF STRESS

Terrible Symptoms of Stress on the Body

Touch an icon below to select your test method.

MEASURE TUTORIAL

Touch "MEASURE" to mark your current stress level with the slider.

Select "TUTORIAL" to learn how to use your measurement device.

Telenet Doctor

Klientske rozhranie – Sebahodnotenie (bolesť, **stres**, nálada a tremor monitoring)

Stress Measurement TECHNICAL SUPPORT HELP

Stress

Adjust the slider to indicate the measure of your stress and press **SEND** and then SEND to forward data to the doctor.

😊 😊 😐 😞 😞

○ —————

CANCEL SEND

Terribl
SYMPT
Terribl
Stress

your test

RIAL

RIAL" to learn
se your
ent device.

Klientske rozhranie

Liekový manažment

The screenshot displays the user interface of the Telenet Doctor mobile application. At the top, a blue header bar contains the user's name "Banovsky Boris". To the right of the header, there are two buttons: "TECHNICAL SUPPORT" and "HELP". Below the header, a white menu is open, listing several options: "Measurements", "My medications", "My appointments", "New appointment", "My doctors", "My contacts", and "Logout". Two green arrows point to the "Measurements" and "My medications" options. The background of the app is dark grey and features four large, dark blue tiles with white icons and text: "ECG" (heart icon), "SPO2 (PULSEOXY)" (pulse oximeter icon), "TEMPERATURE" (thermometer icon), and "SLEEP APNEA" (head icon).

Banovsky Boris

TECHNICAL SUPPORT HELP

- Measurements
- My medications
- My appointments
- New appointment
- My doctors
- My contacts
- Logout

ECG

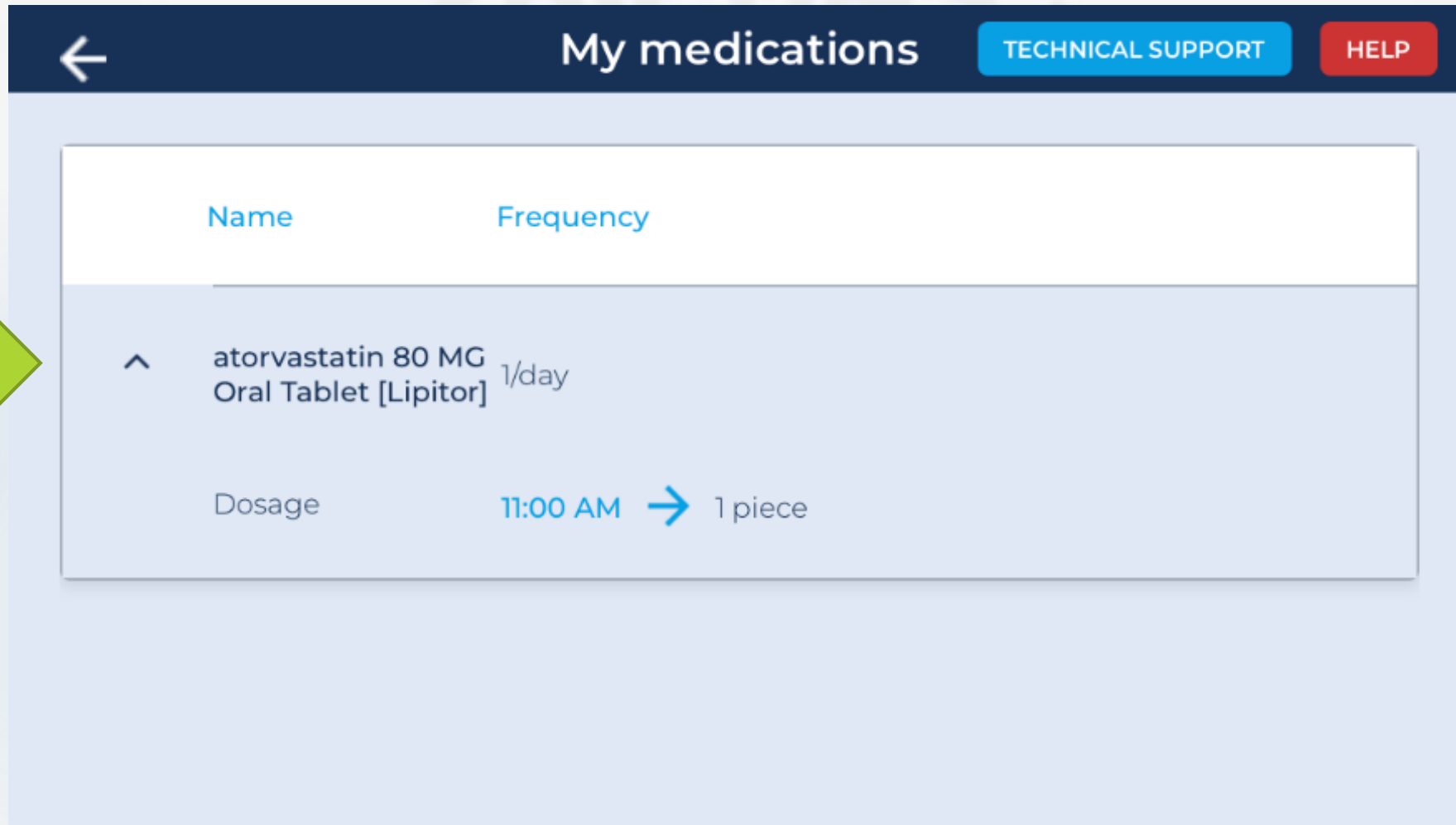
SPO2 (PULSEOXY)

TEMPERATURE

SLEEP APNEA

Klientske rozhranie

Liekový manažment



← My medications TECHNICAL SUPPORT HELP


Name	Frequency
^ atorvastatin 80 MG Oral Tablet [Lipitor]	1/day
Dosage	11:00 AM → 1 piece

Klientske rozhranie

Liekový manažment – pripomienka - push notifikácia



Rozhranie pre poskytovateľa – Login




LOGIN

E-mail *

Password *

LOGIN [Forgot your password?](#)

 en ▼



Rozhranie pre poskytovateľa – Databáza klientov

Telenet Doctor PROFILE PATIENTS EN [redacted]

PATIENTS

+ | ADD PATIENT | IMPORT

10 << < 1 > >> / 1

NAME	SOCIAL SECURITY NUMBER	E-MAIL	MEASUREMENTS											FILTERS
<input type="text" value="Search patient"/>														
Adriana	025-03-1995		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
BorisTest	666-33-7777		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
J.	777-51-2227		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Odilia Hodgjin	123-12-3123		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Peter	999-55-3333		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Tibor	111-22-3333		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

Rozhranie pre poskytovateľa – Databáza klientov - Alerty



PROFILE

PATIENTS

EN

PATIENTS

+ | ADD PATIENT

| IMPORT

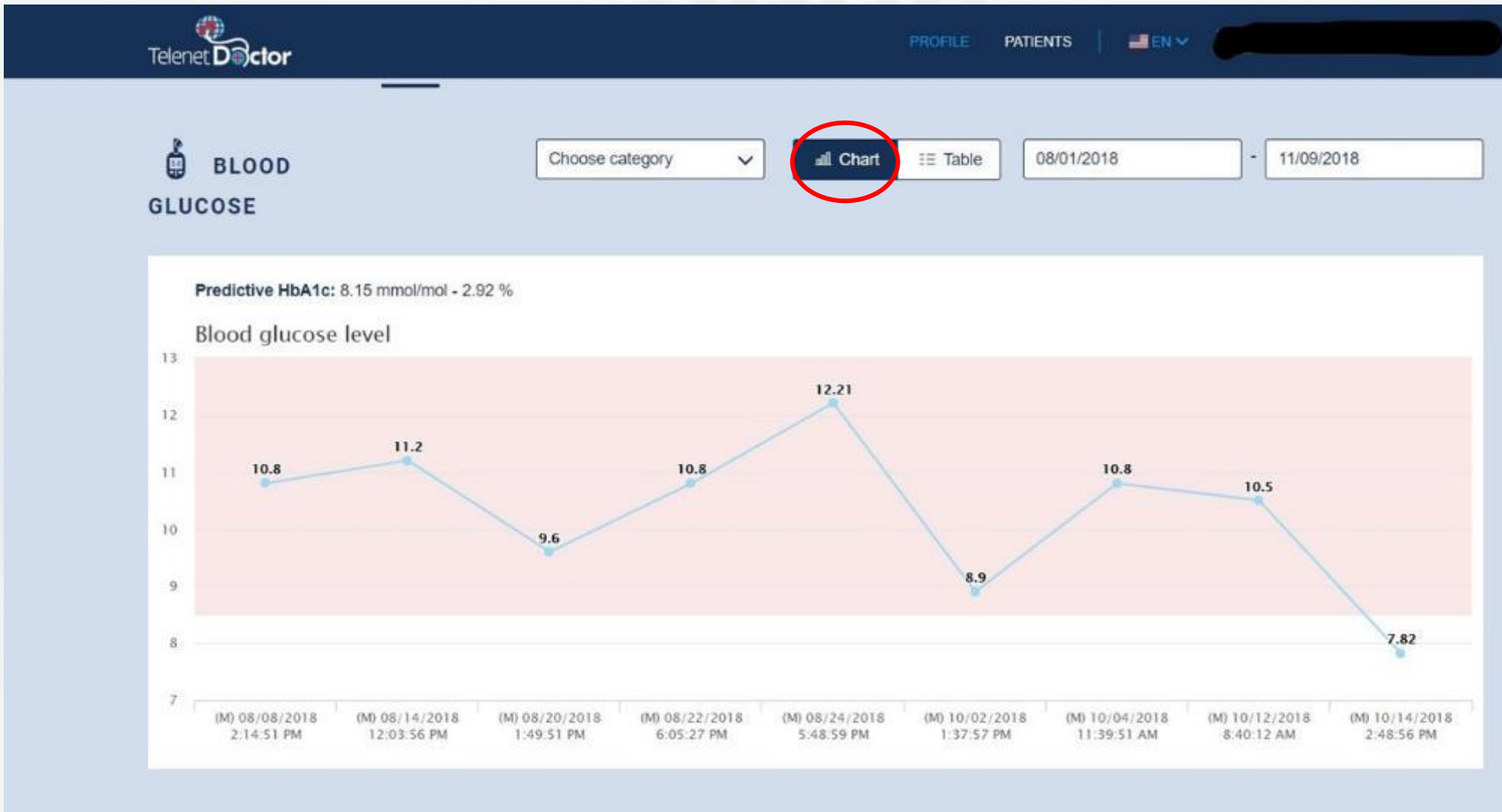
10

<< < 1 > >> / 1

NAME	SOCIAL SECURITY NUMBER	E-MAIL	MEASUREMENTS							FILTERS
<input type="text" value="Search patient"/>										<input type="checkbox"/> BLOOD GLUCOSE
Boris Test	666-33-7777		✓	✓	✓	✓	✓	✓	✓	<input type="checkbox"/> BLOOD PRESSURE
J.	777-51-2227		✓	✓	✓	✓	✓	✓	✓	<input type="checkbox"/> PULSE OXIMETER
Odilia Hodgkin	123-12-3123		✓	✓	✓	✓	✓	✓	✓	<input type="checkbox"/> MOOD
Peter	999-55-3333		✓	✓	✓	✓	✓	✓	✓	<input type="checkbox"/> STRESS
										<input type="checkbox"/> TEMPERATURE
										<input type="checkbox"/> TREMOR
										<input type="checkbox"/> WEIGHT
										<input type="checkbox"/> ECG
										<input type="checkbox"/> PAIN
										<input type="checkbox"/> MEDICATION MANAGEMENT
										<input checked="" type="checkbox"/> FLAGGED USERS
										<input type="checkbox"/> UNFLAGGED USERS

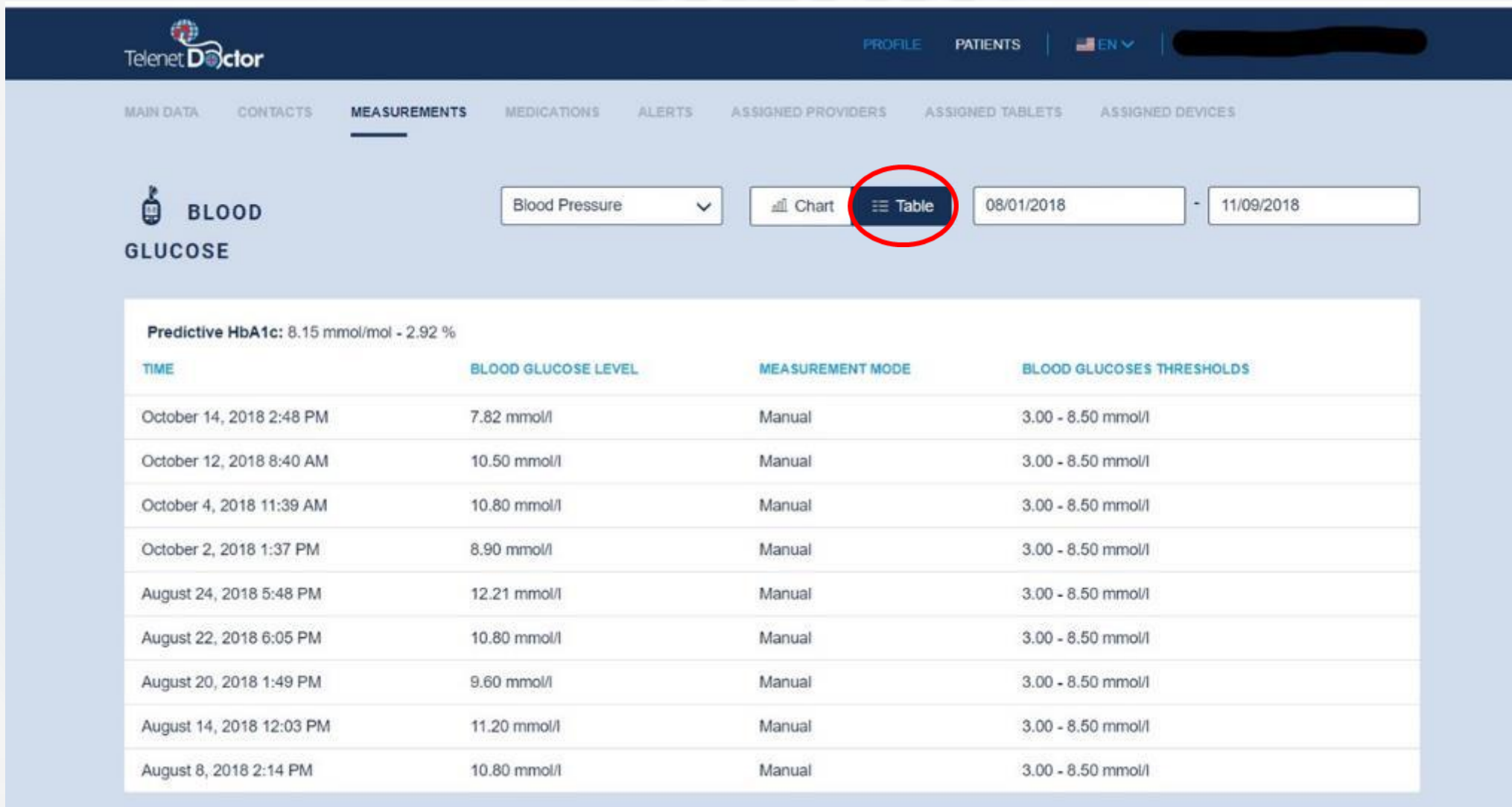
Rozhranie pre poskytovateľa

Meranie glukózy v krvi (trendy / graf)



Rozhranie pre poskytovateľa

Meranie glukózy v krvi (trendy / tabuľka)



Telenet Doctor PROFILE PATIENTS EN [REDACTED]

MAIN DATA CONTACTS **MEASUREMENTS** MEDICATIONS ALERTS ASSIGNED PROVIDERS ASSIGNED TABLETS ASSIGNED DEVICES

BLOOD GLUCOSE

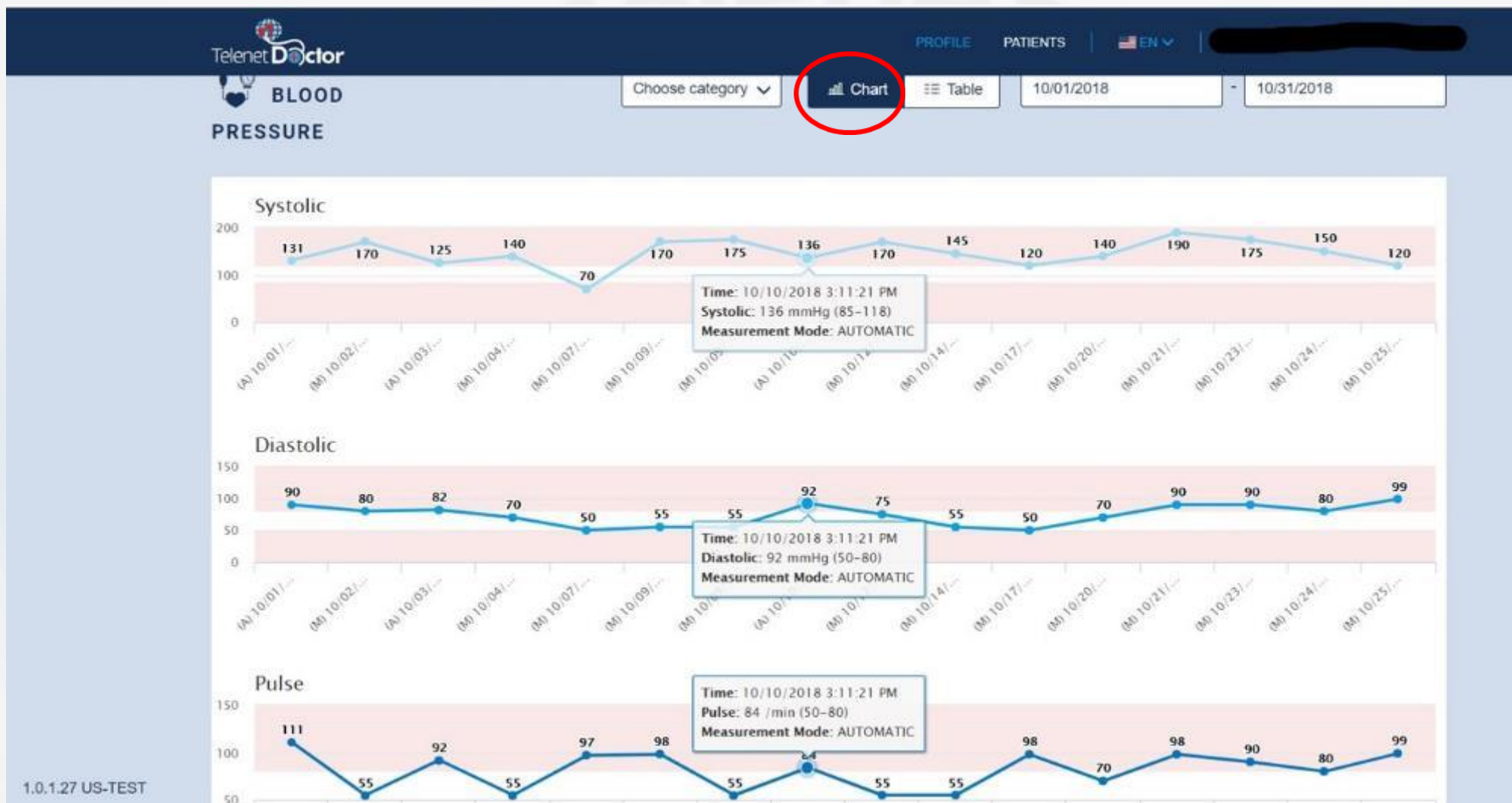
Blood Pressure Chart **Table** 08/01/2018 - 11/09/2018

Predictive HbA1c: 8.15 mmol/mol - 2.92 %

TIME	BLOOD GLUCOSE LEVEL	MEASUREMENT MODE	BLOOD GLUCOSE THRESHOLDS
October 14, 2018 2:48 PM	7.82 mmol/l	Manual	3.00 - 8.50 mmol/l
October 12, 2018 8:40 AM	10.50 mmol/l	Manual	3.00 - 8.50 mmol/l
October 4, 2018 11:39 AM	10.80 mmol/l	Manual	3.00 - 8.50 mmol/l
October 2, 2018 1:37 PM	8.90 mmol/l	Manual	3.00 - 8.50 mmol/l
August 24, 2018 5:48 PM	12.21 mmol/l	Manual	3.00 - 8.50 mmol/l
August 22, 2018 6:05 PM	10.80 mmol/l	Manual	3.00 - 8.50 mmol/l
August 20, 2018 1:49 PM	9.60 mmol/l	Manual	3.00 - 8.50 mmol/l
August 14, 2018 12:03 PM	11.20 mmol/l	Manual	3.00 - 8.50 mmol/l
August 8, 2018 2:14 PM	10.80 mmol/l	Manual	3.00 - 8.50 mmol/l

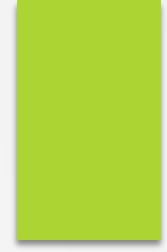
Rozhranie pre poskytovateľa

Merania krvného tlaku a pulzu (trendy / grafy)



Rozhranie pre poskytovateľa

Merania krvného tlaku a pulzu (trendy / tabuľka)



Telenet Doctor PROFILE PATIENTS EN

MAIN DATA CONTACTS **MEASUREMENTS** MEDICATIONS ALERTS ASSIGNED PROVIDERS ASSIGNED TABLETS ASSIGNED DEVICES

BLOOD PRESSURE

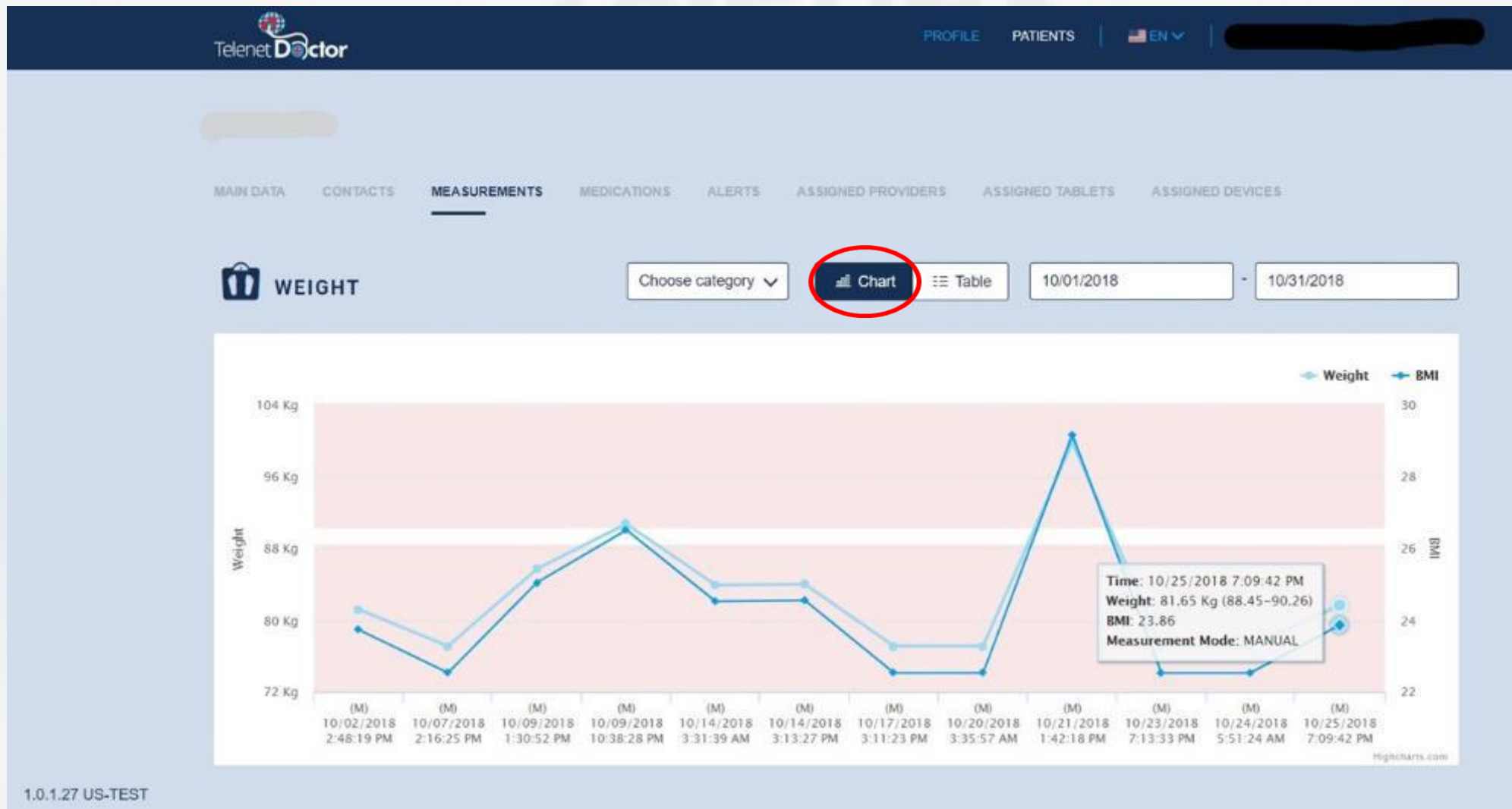
Choose category 10/01/2018 - 10/31/2018

TIME	SYSTOLIC	DIASTOLIC	PULSE	MEASUREMENT MODE	SYSTOLIC THRESHOLDS	DIASTOLIC THRESHOLDS	PULSE THRESHOLDS
October 25, 2018 7:09 PM	120 mmHg	99 mmHg	99 /min	Manual	85 - 118 mmHg	50 - 80 mmHg	50 - 80 /min
October 24, 2018 5:50 AM	150 mmHg	80 mmHg	80 /min	Manual	85 - 118 mmHg	50 - 80 mmHg	50 - 80 /min
October 23, 2018 7:13 PM	175 mmHg	90 mmHg	90 /min	Manual	85 - 118 mmHg	50 - 80 mmHg	50 - 80 /min
October 21, 2018 1:41 PM	190 mmHg	90 mmHg	98 /min	Manual	85 - 118 mmHg	50 - 80 mmHg	50 - 80 /min
October 20, 2018 3:35 AM	140 mmHg	70 mmHg	70 /min	Manual	85 - 118 mmHg	50 - 80 mmHg	50 - 80 /min
October 17, 2018 3:10 PM	120 mmHg	50 mmHg	98 /min	Manual	85 - 118 mmHg	50 - 80 mmHg	50 - 80 /min
October 14, 2018 3:31 AM	145 mmHg	55 mmHg	55 /min	Manual	85 - 118 mmHg	50 - 80 mmHg	50 - 80 /min
October 12, 2018 3:41 PM	170 mmHg	75 mmHg	55 /min	Manual	85 - 118 mmHg	50 - 80 mmHg	50 - 80 /min
October 10, 2018 3:11 PM	136 mmHg	92 mmHg	84 /min	Automatic	85 - 118 mmHg	50 - 80 mmHg	50 - 80 /min
October 9, 2018 10:37 PM	175 mmHg	55 mmHg	55 /min	Manual	85 - 118 mmHg	50 - 80 mmHg	50 - 80 /min
October 9, 2018 1:30 PM	170 mmHg	55 mmHg	98 /min	Manual	85 - 118 mmHg	50 - 80 mmHg	50 - 80 /min

1.0.1.27 US-TEST

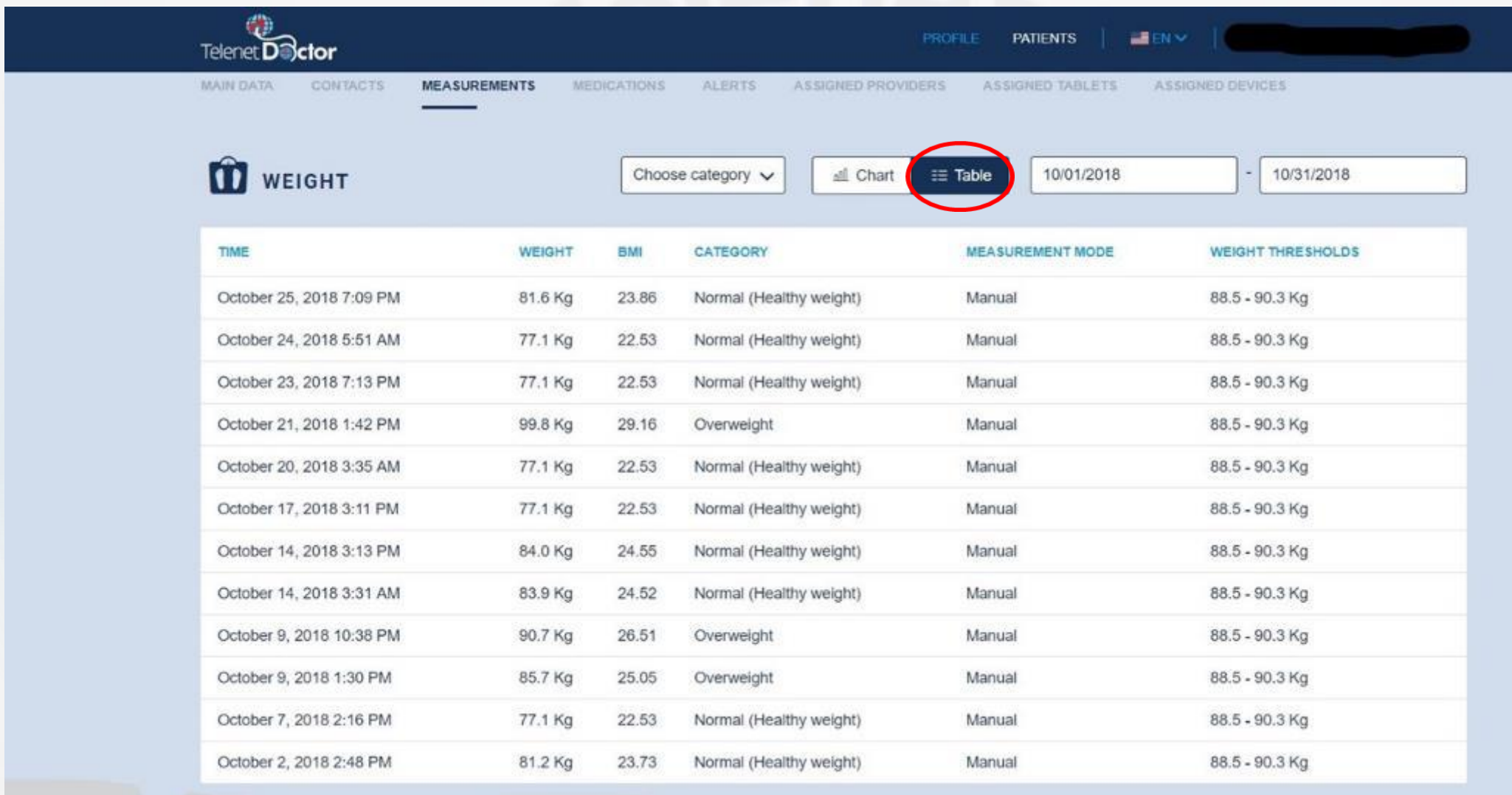
Rozhranie pre poskytovateľa

Merania telesnej hmotnosti a BMI (trendy / grafy)



Rozhranie pre poskytovateľa

Merania telesnej hmotnosti a BMI (trendy / tabuľka)



The screenshot displays the Telenet Doctor interface for a patient's weight and BMI measurements. The navigation bar includes 'PROFILE', 'PATIENTS', and a language dropdown set to 'EN'. The main menu has 'MEASUREMENTS' selected. The 'WEIGHT' section is active, showing a 'Choose category' dropdown, a 'Chart' button, and a circled 'Table' button. The date range is set from 10/01/2018 to 10/31/2018. The table below lists 12 measurements with columns for TIME, WEIGHT, BMI, CATEGORY, MEASUREMENT MODE, and WEIGHT THRESHOLDS.

TIME	WEIGHT	BMI	CATEGORY	MEASUREMENT MODE	WEIGHT THRESHOLDS
October 25, 2018 7:09 PM	81.6 Kg	23.86	Normal (Healthy weight)	Manual	88.5 - 90.3 Kg
October 24, 2018 5:51 AM	77.1 Kg	22.53	Normal (Healthy weight)	Manual	88.5 - 90.3 Kg
October 23, 2018 7:13 PM	77.1 Kg	22.53	Normal (Healthy weight)	Manual	88.5 - 90.3 Kg
October 21, 2018 1:42 PM	99.8 Kg	29.16	Overweight	Manual	88.5 - 90.3 Kg
October 20, 2018 3:35 AM	77.1 Kg	22.53	Normal (Healthy weight)	Manual	88.5 - 90.3 Kg
October 17, 2018 3:11 PM	77.1 Kg	22.53	Normal (Healthy weight)	Manual	88.5 - 90.3 Kg
October 14, 2018 3:13 PM	84.0 Kg	24.55	Normal (Healthy weight)	Manual	88.5 - 90.3 Kg
October 14, 2018 3:31 AM	83.9 Kg	24.52	Normal (Healthy weight)	Manual	88.5 - 90.3 Kg
October 9, 2018 10:38 PM	90.7 Kg	26.51	Overweight	Manual	88.5 - 90.3 Kg
October 9, 2018 1:30 PM	85.7 Kg	25.05	Overweight	Manual	88.5 - 90.3 Kg
October 7, 2018 2:16 PM	77.1 Kg	22.53	Normal (Healthy weight)	Manual	88.5 - 90.3 Kg
October 2, 2018 2:48 PM	81.2 Kg	23.73	Normal (Healthy weight)	Manual	88.5 - 90.3 Kg

Rozhranie pre poskytovateľa

Liekový manažment / predpis farmák / interakcie

Telenet Doctor PROFILE PATIENTS

MAIN DATA CONTACTS MEASUREMENTS **MEDICATIONS** ALERTS ASSIGNED PROVIDERS ASSIGNED TA

+ | ADD MEDICATION

NAME	FREQUENCY	START
Fluoxetine 20 MG Oral Capsule [Prozac]	1 / day	June 28, 2018
atorvastatin 20 MG Oral Tablet [Lipitor] ⓘ	1 / day	August 14, 2018

Add medication

Ciprofloxacin may increase the QTc-prolonging activities of Fluoxetine.

Medication *
Ciprofloxacin 500 MG Oral Tablet [Cipro]

Start *
11/01/2018

End *
11/08/2018

Dosage

	Time *	Amount *	Unit *
1	08:00 am	1	piece
2	08:00 pm	1	piece

ADD TIME

SAVE CANCEL

Rozhranie pre poskytovateľa

Upozorňujúci (Alert) email / push noti / sms

