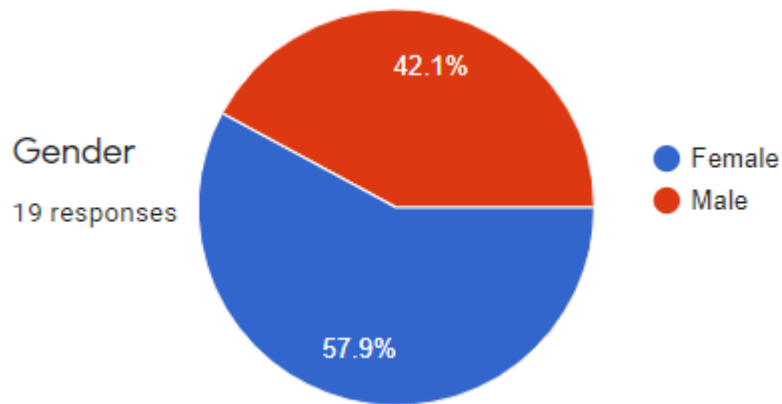


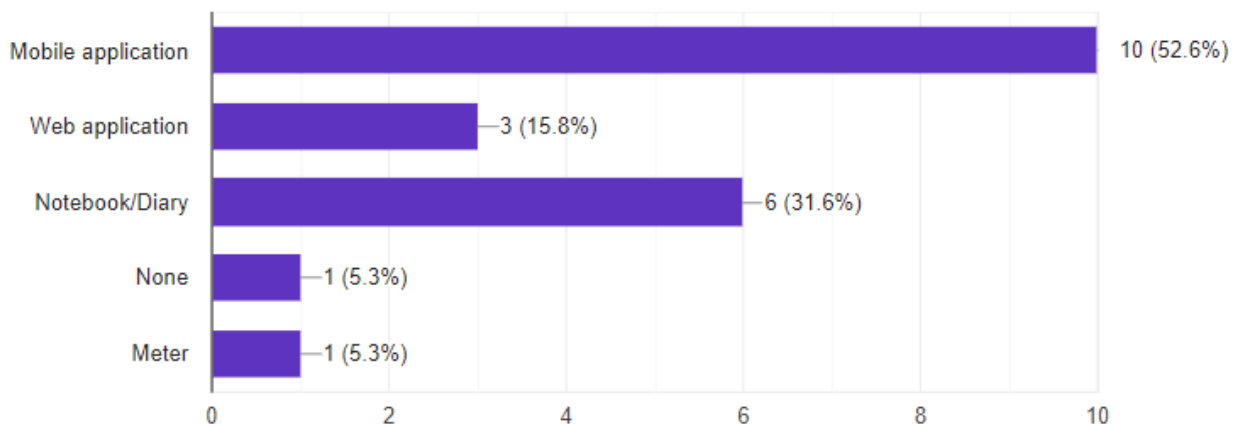
## ONLINE SURVEY ANALYSIS

In order to start my project, it was necessary to determine the requirements and needs of users. Since the main consumer of the application is people with diabetes. So I did a survey on the topic “How you are monitoring your diabetes?”

A survey was conducted to determine the needs of users with diabetes. The survey includes questions that are aimed at identifying the needs of diabetics in order to create a relevant tool for support and monitoring during the treatment. Due to the existing restrictions, the survey was conducted using a google form. And the link to the form was published as a post on the “Diabetes Friends” group on Facebook ([https://docs.google.com/forms/d/e/1FAIpQLSdqX4Us5coe4EkpnCNaT\\_uIKLEsV7LMW\\_2bCuENNBjYjRKYHg/viewform?usp=pp\\_url](https://docs.google.com/forms/d/e/1FAIpQLSdqX4Us5coe4EkpnCNaT_uIKLEsV7LMW_2bCuENNBjYjRKYHg/viewform?usp=pp_url)). The survey involved 19 voluntary participants. The participants were people between the ages of 20 and 72. Of these, 36 % were people over 50 years old. The survey was attended by females - 57.9 %, males - 42.1 %.

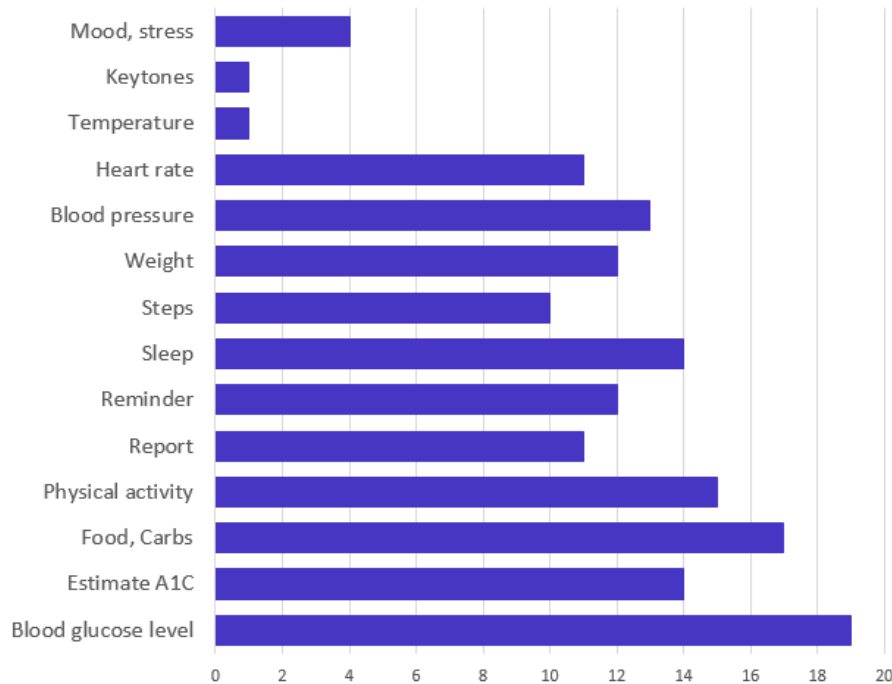


The first question was “What tools do you use to control the treatment?”



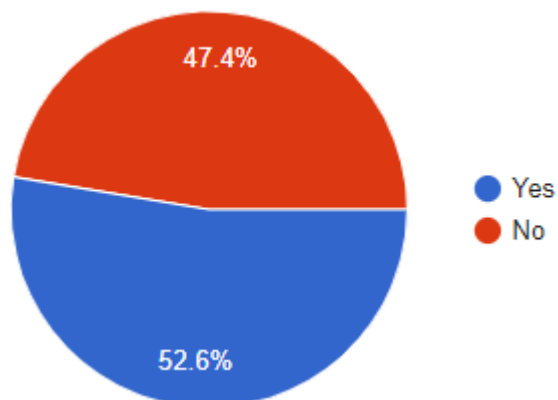
As the bar graph shows, people are mostly using mobile applications what to expect. But still there were people who use notebooks or web sites.

The next question was “What functions of mobile applications for control your diabetes do you need the most?”



As we can see the most answers are Blood Glucose Level (100%), Weight (63.1%), Carbs (89.4%), Reminder (63.1%), A1C (73.6%), Blood Pressure (68.4%), Physical Activity (78.9%), Sleep (73.6%), Herat Rate (57.8%). After that, the most needed ones can be included in my application.

The next question is aimed at users to understand how much they use fitness bracelets. “Do you use smartwatches or fitness bracelets?”



So you can see 52% of respondents use fitness bracelets.

The last question was about how the doctor monitors the treatment process. The question was open and with the ability to write several options. The respondents' answers were as follows:

52.6% answered Asks for results through the call;

26,4% answered I send a photo of the document where I manually type / write results;

15.9% answered that they have access to data via the app (Virta, Dexcom);

5.1% answered in person;

And also includes versions like check appointments, in-person 3 months, visits every 2 months, by email.

\*Analyzing the answers of the respondents, a document about the specification and requirements for the application and the layout of the application will be created.