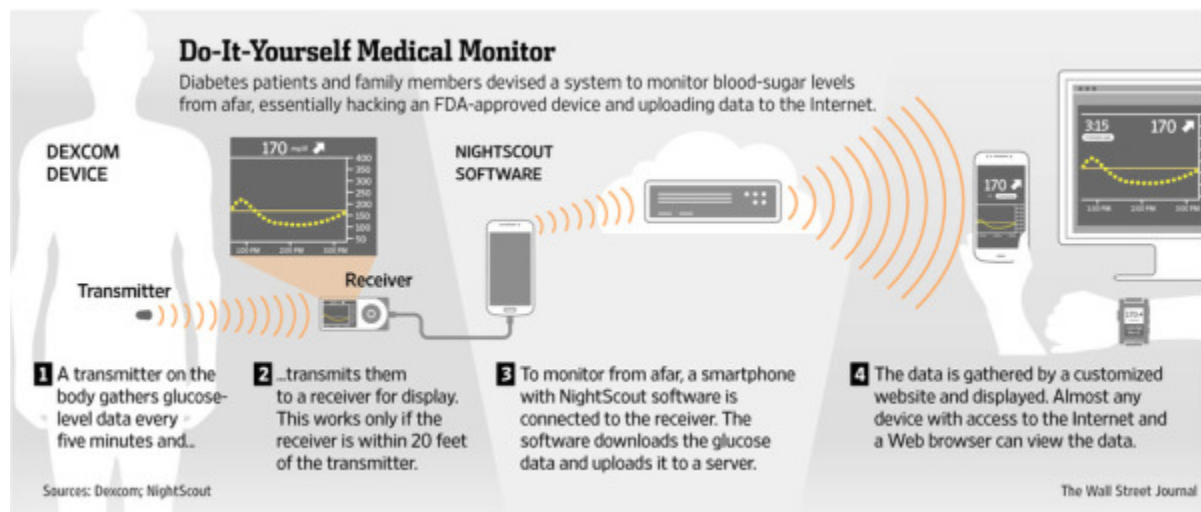


## Examples of Personalization in Healthcare Products:

### Example 1: *NightScout*

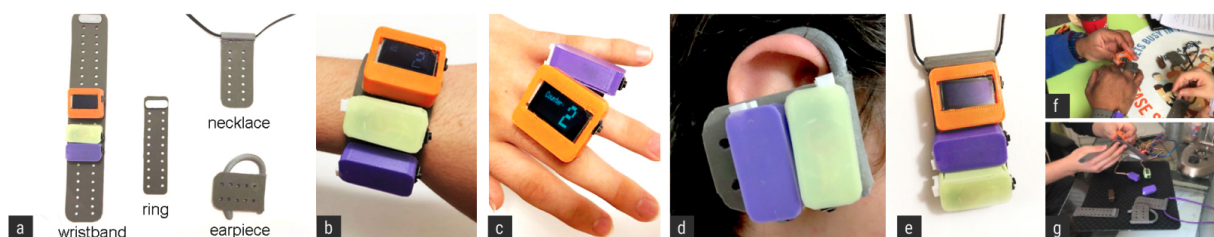
The do-it-yourself (DIY) community has been exploring solutions for the remote monitoring of continuous glucose monitor (CGM) data for about 10 years. One particular example is NightScout. NightScout was first developed in 2013 by the parents of a young child who had diabetes. They primarily developed this solution so that they could remotely access their child's health data in real time while he was separated from them, such as when he was at school. Today, NightScout solutions work with existing technologies by allowing the attachment or pairing of a device to the receiver that transmits glucose readings to the internet. Through this attachment or pairing, web-connected devices can view the readings that were transmitted from the CGM.



(<http://www.nightscout.info/>)

### Example 2: *DiaFit*

Prior research has been conducted with Type 1 diabetics to better understand people's preferences and ideas towards customized glucose monitors. *Diafit* explored what challenges diabetics currently face with their current glucose monitors, and methods for addressing these challenges in physical product designs. After learning about these challenges and potential methods to address them, the research team built a simple toolkit that consisted of accessories and feedback modules that users could piece together to create personalized and varied glucose monitor designs. Some examples of this personalization from a provided toolkit can be seen in the image below. These examples include altering the placement of monitors, changing the feedback modules being used, and varying the location of feedback modules on the monitors themselves.



**Figure 2: Diafit probe: (a) accessories and feedback modules for building different styles of glucose monitors such as: (b) bracelet monitor, (c) ring monitor, (d) earpiece monitor and (e) necklace monitor. (f,g) Users' interaction with DiaFit prototype.**

(<https://celab.cs.uvic.ca/files/DiaFit.pdf>)

### Example 3: *What do we mean by “personalization”?*

Through this study, we aim to understand what personalizations or adaptations users would like to introduce to their glucose monitors in order to increase their personal relevance and lifespans. The below sketch provides a series of concept sketches that elaborate upon the proposed concept of personalizing such devices - this can include altering the physical form of the device, integrating additional functionalities such as data sharing or more or less extensive data tracking, and making the device generally, more aesthetically pleasing or comfortable to wear and use on a daily basis.

