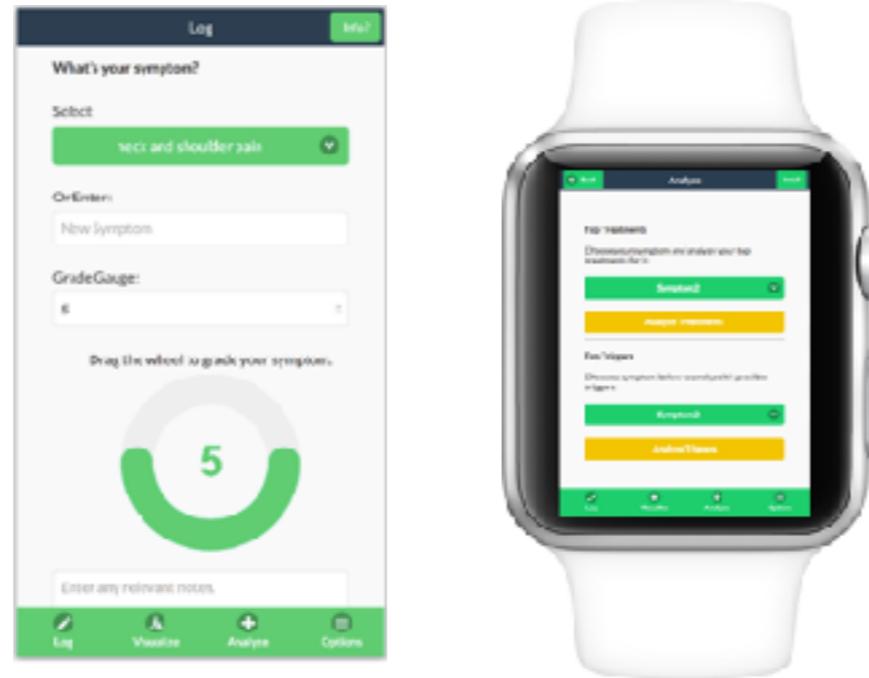make better health decisions.

the "Big" idea

- HealthMatica is a breakthrough personalized in healthcare and wellness. It is a web-based dashboard, and mobility app, that allows users to track, visualize, identify, understand and improve the metrics that drive their health.

- How can your medical provider truly assure your health when you only see them a few times a year? Your phone, however, is always by your side. This allows you to collect a lot more information about your health status offering a more robust profile of your medical history.

- Diagnosis and treatment is about data sets. The more data your doctor knows about your health status the better he/she can help you feel.

- HealthMatica aids the Doctor/Patient relationship by harnessing the power of data visualization and statistical analysis.

how it works?
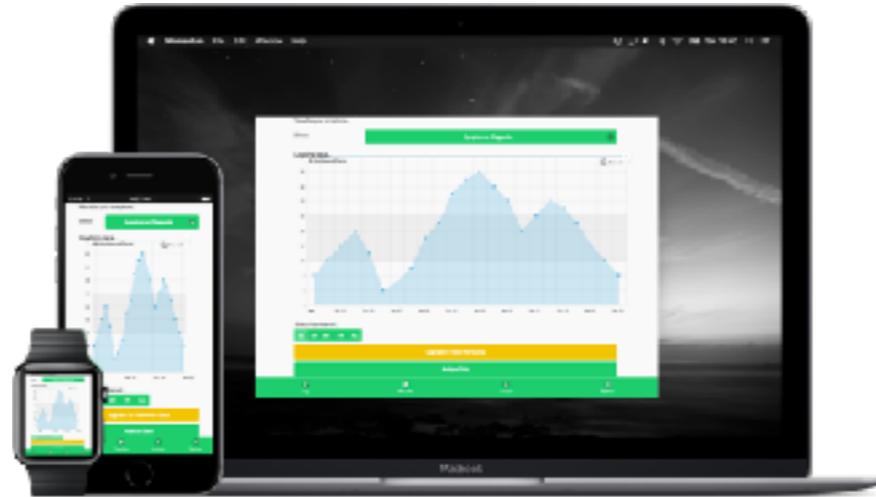
- Think of it this way. HealthMatica is a personal health journal. It is private just like a Journal. Each user only has access to his/her personal entries and results.

- Users enter information about their symptoms, therapies and environmental conditions on a daily basis. Easy to use online forms allow this check-in process to be done in minutes. Enter as much information as you want.

- HealthMatica allows the user to visualize their health data on graphs, to identify trends in their health. The patient-reported data is then securely displayed on a HIPAA-compliant web dashboard accessible from a desktop or any mobile device. The data can also be shared with healthcare providers (with the patient's permission) or even to researchers, ie. Pharmaceutical companies.
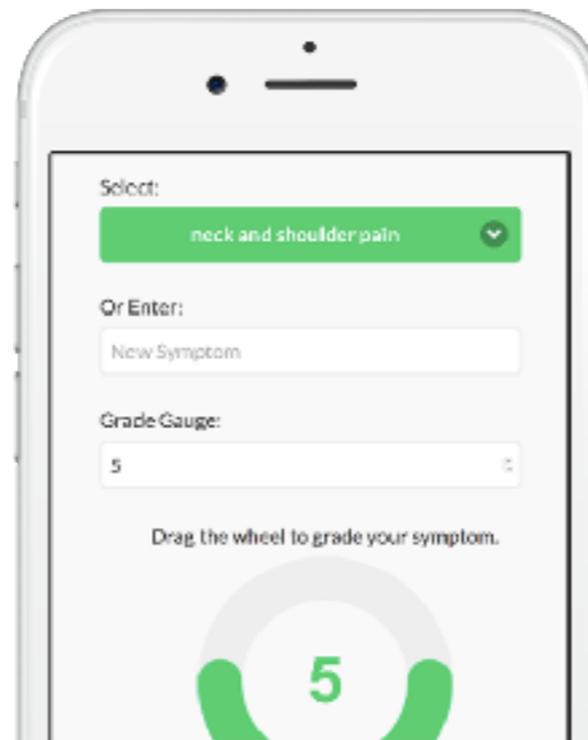
- The software also uses several proprietary algorithms to identify hidden patterns in users health, via. data analysis.

- Additionally, HealthMatica utilizes a neural network to analyze the symptoms, possible causations, treatments and environmental factors across the community of users to evaluate trends in crowd data. This allows the application to make recommendations of action a patient can then discuss with his or her doctor.

features

- **Identifying stressors that may be causing symptoms:** For example, the software might say - "coffee causes your headache 90% of the time." In this case, coffee is the stressor and it's been strongly correlated to the headache symptom. The patient can then act upon that correlation and eliminate the stressor from their diet.

- **Treatment efficacy analysis:** For example, the software might say - "Aspirin improves your headache by 20%." This would indicate that Aspirin would have a positive impact on your headache symptom. The data set could also reveal things like: "Sugar has a -20% impact on your headache symptom", thereby indicating that sugar is deleterious and should be eliminated.

- **E-Diagnosis:** The software can diagnose conditions as well. It is actually more of a recommendation than a real diagnosis, but it will greatly aid patients and doctors in narrowing down the plethora possibilities. For example, the software may state "your symptoms are 90% similar to diabetes mellitus and 70% similar to hypothyroidism." This would give the patient a crucial head-start in the medical diagnosis process. The doctor could then focus their attention upon these possible diseases or disorders. The software utilizes a proprietary pattern recognition algorithm to select an appropriate diagnosis. Since it is not possible to make a complete diagnosis without testing to support it, the software can at best "theorize" what the cause might be. This is often enough to hasten the process greatly and secure a rapid diagnosis by a licensed professional.

- **Practitioner Recomendation:** Based upon it's proposed diagnosis, the software can recommend the ideal specialist/s for you seek help from. For example, the software may state "based on your proposed E-diagnosis the ideal doctors for you to see are a general practitioner, and a endocrinologist."

data intelligence
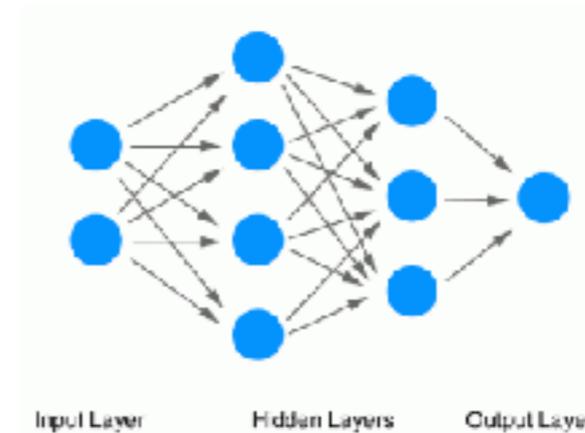
Statistical analysis, trend modeling, and pattern recognition provide the mathematical engine behind the software's intelligence. Leveraging an expanse dataset and computational fitness, disease patterns can be better understood and treated. This kind of data and analysis is very relevant to patients, Doctors, and world medical organizations such as the W.H.O. This software will help bridge the widening divide between medical care and medical bureaucracy. The potential for data intelligence in healthcare is endless.

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