**Features List**

(user stories can be found at page 4-5)

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# **Plans**

## **ResQ**

* Visual ads
* Basic stats (heartbeat, saturation)\*
* [Emergency response system with location ping](#_cqz3fwuqbws6)\*
* [Remote Emergency guidance](#_no3ci661kfjk)\*
* [AI Diagnoses](#_ur1899w8g3hk)\*
* [Universal health database](#_i1tovx2wf15l)\*

## **ResQ +**

* No ads
* [Full Data visualization](#_9yken5932apy)\*
* [Personal virtual health coach](#_q8ed14aaiw2m)
* [Increase quality of life and lifespan](#_qlp47skeeyv7) (wellness / could have)

## **ResQ Pro**

* No ads
* Health gamification
* [Space travel preparations](#_91zbszqymaay)
* Different AI-skins

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# **Data licensing**

* [Population Health Tracking](#_khrbev1ck1p0)
* [Better Healthcare Research for Other Colonies](#_lfrexf4g6l05)
* [Epidemic Tracking](#_ik86ekksgqfb)
* [Global Virus Mutation Database](#_qgrb4p4mir1n)

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# **Feature explanation**

### **1. Continuous Health Evaluation:**

* Real-time monitoring of vital signs and health parameters.**\***
* Regular health assessments and progress tracking.
* Immediate alerts for critical health changes.**\***

### **2. Increased Quality of Life and Lifespan: (should have)**

* Personalized wellness + health improvement plans.
* Lifestyle recommendations based on health data.
* Goal setting and tracking for wellness.
* Mental health support and stress management.
* Fitness and nutrition guidance.

### **3. Health Monitoring:**

* Comprehensive health history tracking.
* Allergy and medical condition alerts.

### **4. Space Travel Preparation & aftercare: (should have)**

* Health assessments tailored for space travel.
* Space health education and training modules.
* Check of bone density and muscle percentage drops due to lower/higher gravity during flight and at arrival

### **6. AI Diagnosis:**

* Quick and accurate AI-driven health assessments. **\***
* Immediate recommendations for treatment or further evaluation. **\***
* Integration with healthcare providers for telemedicine. **(collaboration)\***

### **7. Data Visualization:**

* Interactive (maybe) health dashboards.**\***
* Graphical representation of health trends over time. **(should have)**
* Customizable data views. **(could have)**

### **8. Universal Health Database:**

* Secure and comprehensive health records. **\***
* Interoperability with healthcare systems and providers. **(collaboration)\***

### **9. Personal Health Coach or Trainer:**

* AI-driven virtual health coach. **(could have)**
* Tailored exercise routines and dietary plans. **(should have)**
* Progress tracking. **(could have)**

### **10. Remote Emergency Guidance:**

* Immediate response in emergency situations.
* First-aid instructions and CPR guidance. **\***
* Location-based emergency services integration.

### **11. Custom Health Plans:**

* Personalized health and treatment plans. **(could have)**
* Collaboration with healthcare providers. **(collaboration)\***

### **12. Emergency Response System:**

* One-touch emergency calls.**\***
* GPS location sharing with emergency contacts.**\***
* Integration with local emergency services.

### **13. Population Health Tracking:**

* Anonymized data contribution to medical research.
* Participation in global health studies.
* Trend analysis for public health initiatives.

### **14. Better Healthcare Research for Other Colonies:**

* Data sharing with research institutions.
* Collaboration with scientists and researchers. **(collaboration)\***

### **15. Epidemic Tracking:**

* Early detection and notification of outbreaks.
* Contact tracing and quarantine guidance.

### **16. Medication Management:**

* Medication reminders and dosage instructions.**\***
* Medication interaction alerts.**\***

### **17. Added Feature: Health Gamification (could have)**

* Gamify health goals to encourage user engagement.
* Challenges, achievements, and rewards for healthy behaviours.
* Competitions with friends and the community.

### **21. Tracking virus mutations (database)**

### **22. Aiding in vaccine development (data licensing)**

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**User Stories**

## MoSCoW

(every **Mo** can be considered as a “POC”)

PoC

* Emergency response & guidance
* Stat tracking & visualisation
* Medical diagnosis & history
* Prescribed medication list
* Population health tracking (for different uses)

## **Patient / User**

* **As a patient, I want to be helped when I have a heart attack so that I don’t die.**
* **As a patient, I want to be able to follow the stats of my body so that I know if I’m healthy.**
* As a patient, I want a personal diet plan so that I know have to become more healthy.
* As a patient, I want to be able to receive a message about my subscription information.
* As a patient, I want to be able to get a personal health plan so that I can get fit easier.
* **As a user, I want a central place to see medical reports so that I can revise my medical history.**
* As a user, I want to easily contact a doctor so that I can get help fast.
* **As a patient, I want to see all the medications I’m supposed to take.**
* **As a user, I want to be able to get a diagnosis quickly using AI so that they can heal me quickly.**
* As a patient, I want to receive reminders for my medication schedule so that I don't forget to take important medications.
* As a user (pro), I want to track my daily physical activity and receive recommendations for maintaining a lifestyle.
* As a patient (public API), I want to access a library of educational resources on various health topics.
* As a user, I want to set and track wellness goals and overall health improvements.

## **Government**

* **As a government, we want to be alerted when a virus infection gets out of control so that I can stop a possible pandemic.**
* **As a government, we want to have the general health data of my country so that I can make focused campaigns.**
* **As a government, we want to be able to share data with other colonies so that we can work together for a better future**.
* As a government, I want to have a list with DNA records to compare with DNA from a crime scene.

**Doctor / Healthcare Worker**

* **As a doctor, I want to be able to see when my patients are having an emergency.**
* As an emergency responder, I want to be able to assess the situation and give detailed instructions to anyone that is calling emergency services and is providing help to the patient in need.
* **As a doctor, I want to be able to see the latest developments in case there is a pandemic.**
* **As a doctor, I want to be able to see the medical history of a patient.**
* As a doctor, I want to be able to give my patients personalized treatment plans.
* **As a doctor, I want to be able to see the current diagnoses for each patient, even if it is given by AI.**