ARIA

Transforming Research Through Participant Engagement and Human-Centric Data Collection

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Introduction

Aria Health is a blockchain-based health data network and participant engagement platform that empowers individuals to contribute to healthcare research while retaining full control over their data.

By seamlessly connecting participants, researchers, and healthcare providers through a secure system, Aria Health is transforming medical research to be more efficient, inclusive, and impactful.

Aria Health is trusted by healthcare organisations throughout Europe and has been recognised for it's innovative technology.

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Partnerships and Customers

German Oncology Center

AMERICAN MEDICAL CENTER
AMERICAN HEART INSTITUTE

NOVARTIS

YGIA POLYCLINIC
Private Hospital
"Serving mankinds' most valuable gift..."

ClinBAY

Funding

European Commission

RESEARCH & INNOVATION FOUNDATION

substrate_

animoca BRANDS

Outlier Ventures

web3 foundation

Awards

MED-TECH WORLD

Forbes

VIVA TECHNOLOGY

AIBC

CYPRUS Healthcare Business AWARDS

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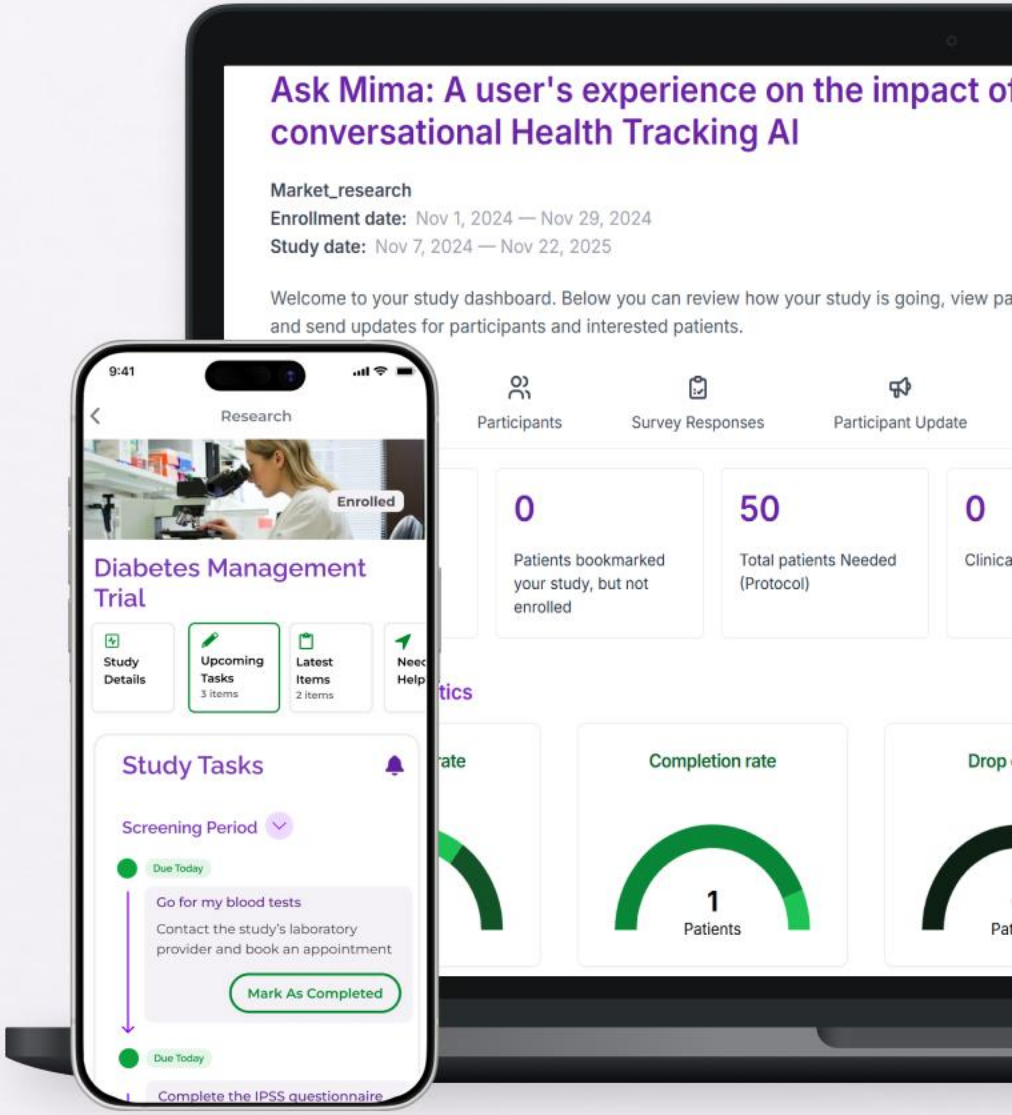
Aria Health offers a cutting-edge platform to enhance research engagement, empower participants, and streamline data sharing between researchers and participants.



My Aria App for Participants

The My Aria app empowers participants to engage in research through guided tasks, study updates, and progress tracking. Participants maintain control of their data through blockchain-secured transparency and are motivated with engagement-based rewards, fostering trust and collaboration.

Researcher Platform

Aria Health's platform streamlines study management by enabling participant recruitment, pre-screening, consent collection, and the compliant collection and review of patient responses and data. Researchers can access real-time updates and communicate seamlessly with participants, ensuring compliance, data integrity, and efficiency.

The tech behind the innovation

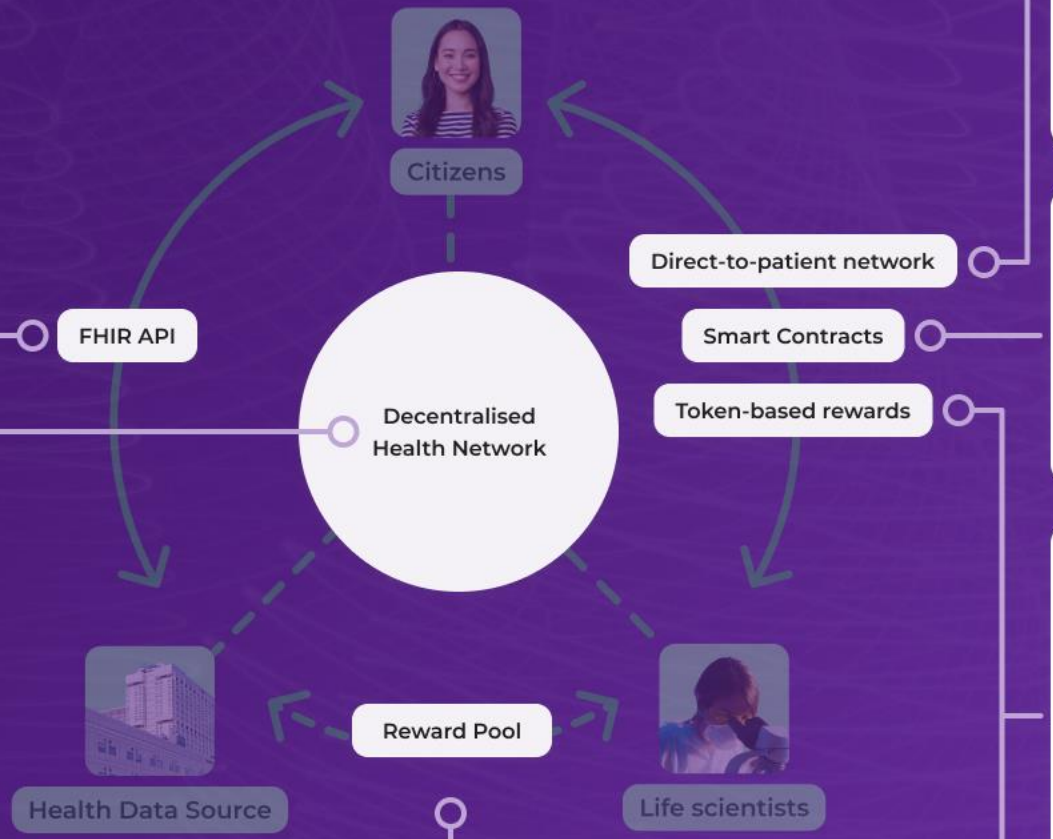
Aria utilises state of the art Web3 technology

FHIR API

Enables automated and standardized health data transfer to citizens, promoting seamless and secure information exchange.

Decentralised health data network

Web3 technologies including blockchain ensure the highest standards of security and interoperability of citizen health records



Direct-to-citizen network

Facilitates unprecedented levels of communication between citizens and researchers.

Smart contracts

Function as secure, automated, and transparent self-executing agreements on the blockchain.

Reward Pool

Research-related revenue is allocated to a patient rewards pool, enabling equitable and efficient distribution of incentives to participating citizens.

Key Features for Data Collection and Participant Input

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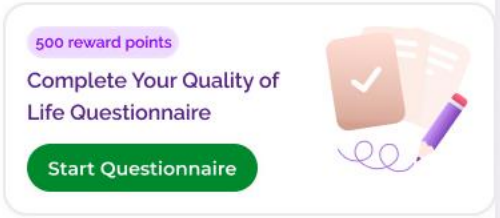
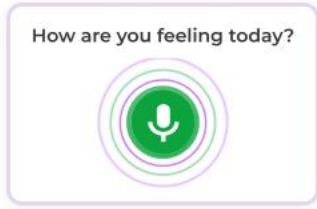
ePRO and Survey Delivery

User-friendly delivery of validated PROM tools, designed to support the collection of participant-reported outcomes, as established by medical guidelines, with built-in scheduling and reminders to ensure timely and reliable data submission.



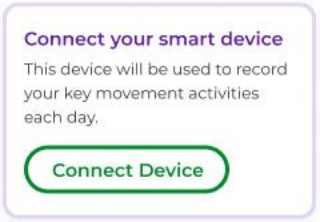
Adverse Events (AE) Capture

Through an AI companion (audio and text), patients can easily report symptoms through the app, with an option to flag concerns for doctors to review. Via NLP and AI technology collected symptoms are converted AEs with CTCAE clinical grading system as per NCI Common Terminology Criteria for Adverse Events.



Wearable Device Integration

Devices, including wearables, medical devices, and digital applications, can be integrated into our platform, upon request, to enable seamless remote data collection and support tailored research protocols.



Medication Adherence Tracking

Participants are incentivized to log their medications, schedule reminders for improved adherence, and provide ongoing updates. The system integrates with official databases, such as EMA drug lists, to ensure accurate medication tracking and enhance data quality for research purposes.

Key Features for Increasing Participant Engagement

Automated Reminders and Notifications

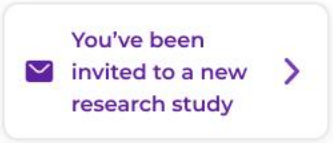
Participants are reminded to complete tasks, attend appointments, and follow their study plan through in-app notifications synced with the research schedule. This dynamic system ensures participants stay on track, reducing missed activities and improving data collection without requiring manual intervention.

Rewards and Incentives

Participants are rewarded for their active engagement in studies, earning points for completing tasks, adhering to schedules, and providing data. These points can be redeemed for charitable donations and monetary incentives, creating a meaningful experience that motivates continued participation.

Follow-Ups and Re-Engagement

Participants who complete studies can be seamlessly re-invited to follow-up studies or future research projects based on their previous involvement. These personalized invitations and reminders encourage participants to stay involved, building lasting relationships that enhance research continuity.



Educational Resources

Participants are provided with educational materials and guidance relevant to the study via the app. This helps answer common questions, reduces anxiety, and empowers patients to make more informed decisions.

Video: Common symptoms and triggers to look out for

Key Features for Researchers to Streamline Studies

Targeted Participant Recruitment

Access a network of participant-consented profiles or invite your own, using advanced filters to match study criteria and recruit participants efficiently.

Dynamic Scheduling and Task Management

Personalized scheduling tools adjust study timelines based on individual participant progress, ensuring tasks are delivered at the right time to maintain study accuracy and adherence.

Study Monitoring and Progress Tracking

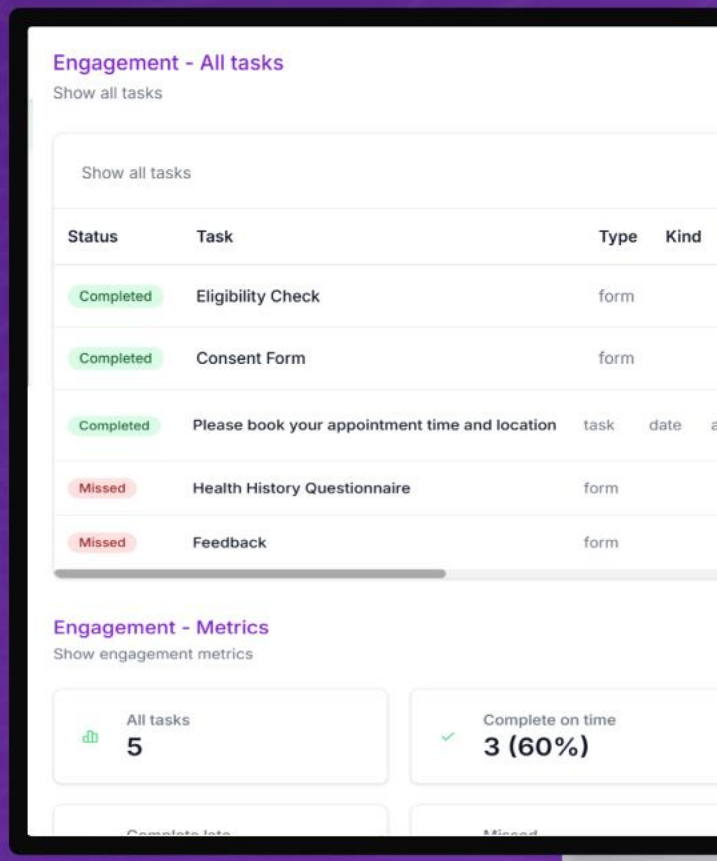
Real-time dashboards provide insights into participant adherence, task completion, and overall study performance, helping researchers respond to any adherence issues quickly and stay on track.

Consent Management and Secure Data Handling

Blockchain-secured consent tools simplify collection, ensuring ethical data use and giving participants control over their information.

Participant Updates and Communication

Direct communication tools enable researchers to share study updates, results, and reminders with participants, fostering trust and engagement.



Real-World Success Stories with Aria Health

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Case Study 1: Ask Mima – Conversational AI for Symptom Reporting

- **Objective:** Evaluate the Ask Mima tool for symptom reporting in oncology care, focusing on identifying key engagement and data quality metrics.
- **Participant Profile:** 300 oncology patients across Europe.
- **Methodology:** Participants used the My Aria app to log symptoms via the integrated conversational AI module and received a €15 reward for completing the study. User feedback was collected to assess the tool's usability and functionality.

Case Study 2: Agora 3.0 – Prostate Cancer Study

- **Objective:** Explore how delivering PROMs electronically between appointments can enhance care by supporting timely clinical decisions and increasing patient empowerment. Assess the use of nomograms on patient anxiety.
- **Participant Profile:** 50 prostate cancer patients from the German Oncology Center.
- **Methodology:** Participants used the My Aria app to complete ePROMs between appointments, a nomogram under clinical guidance and anxiety and empowerment questionnaires.

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Empowering Citizens, Enhancing Health: Pioneer the Future.

Georgina Kyriakoudes

Founder & CEO, Aria Health
(Dcentric Health Ltd)

georgina@dcentric.health

Georgina Kyriakoudes

https://myaria.health