

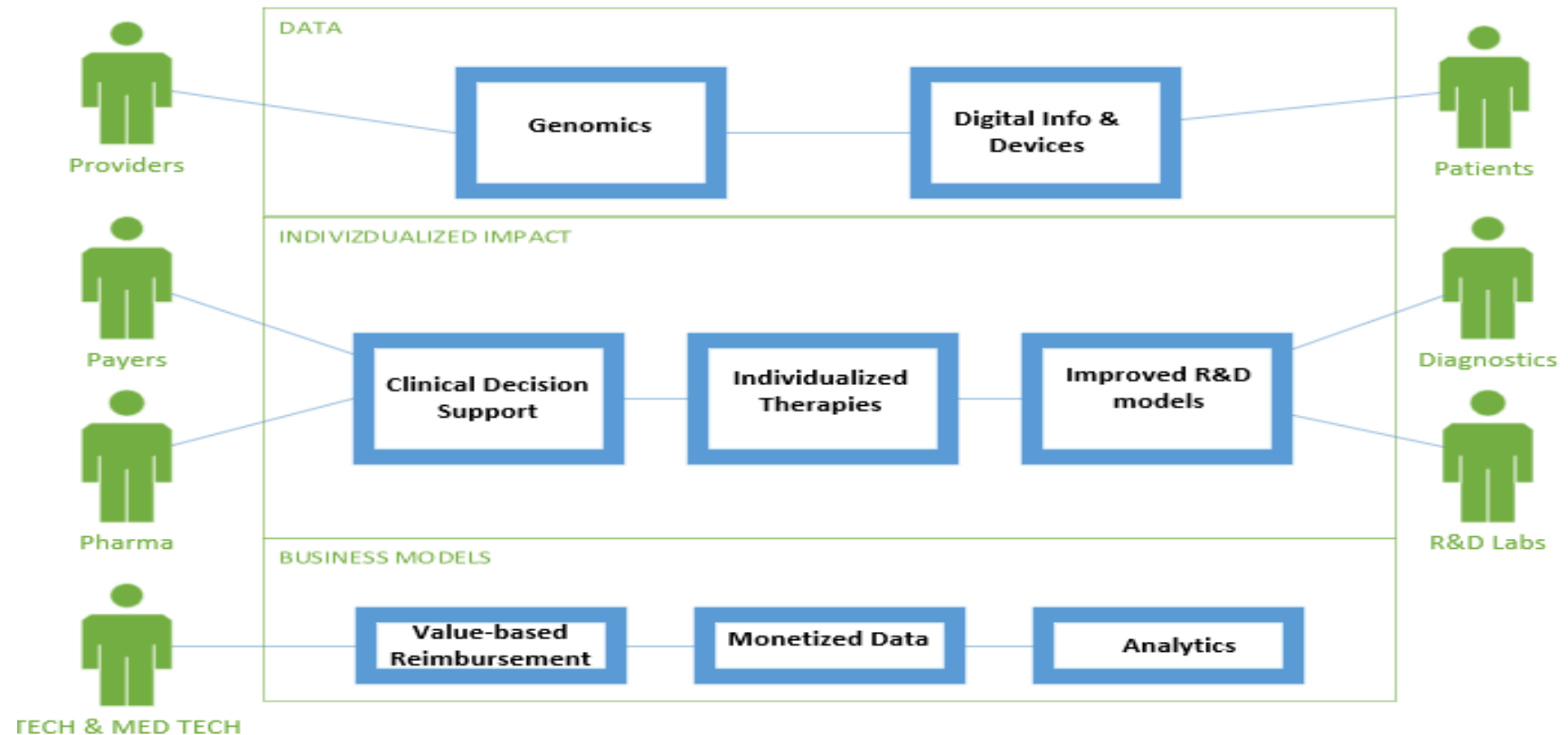
Precision Medicine

Egen's Strategy Synopsis



Overview

A form of medicine that uses information about a person's own genes and personal health information to prevent, diagnose, or treat disease.



Drivers of the Precision Medicine Market

egen

Principal Drivers

Government Policies

Aggressive Investments

Technology and Scientific Advancements

Stakeholders Awareness

Revenue Generation

- Significant increase in the number of cases of genetic diseases
- Rise in online collaborative forums
- Increasing prevalence of chronic diseases
- Advancement in cancer biology
- Increasing research and development activities in biotechnology sector
- Large-scale human genome databases coupled with computational tools

Restraints of the Precision Medicine Market

Principal Restraints

Cost

Community Stigmas

Technology Compatibility

Bureaucracy

High rate of Clinical Errors

- Lack of genetic information in an EHR systems
- Additional evidence needed to support expanding precision medicine beyond genomics
- Violation of privacy rule and potential threat to personal health data
- Stringent regulatory norms
- Lack of awareness from Patient's side of input

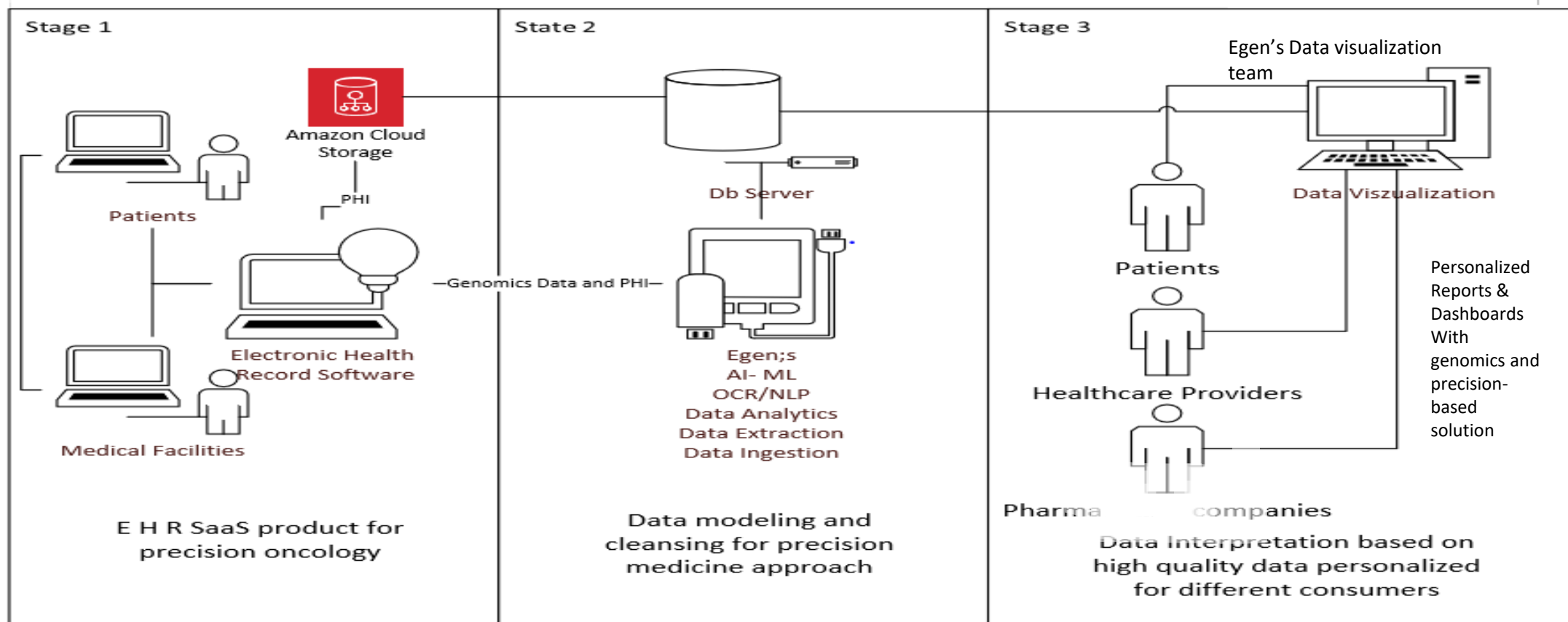
Egen's most significant opportunities for the market



By Technology	By Application	By End User
Big Data Analytics	Oncology	Hospitals & Clinics
Bioinformatics	CNS (Central Nervous Systems)	Pharmaceuticals
Genome informatics	Immunology	Diagnostic Companies
Mobile health	Cardiovascular	Academia
CDSS	Respiratory	Bio Tech Research & Development

Egen's most significant opportunity

Egen's SaaS product for precision medicine application in oncology



Egen’s SaaS EHR Product for Oncology Precision



Factor’s favoring Egen’s compatibility with Product	Factor’s favoring product’s market relevance
Previous work with Integra connect in EHR and analytics makes it easier to gain insights from raw healthcare data	Oncology contributes largest market in precision medicine
Egen’s wide spectrum of machine learning, artificial intelligence and Optical character recognition options	Very few precision medicine products compatible with current EHR systems
Egen’s expertise in cloud-based technologies	Egen track record of creating cloud solution that are more economical than an off-the-shelf solution
Egen’s previous work in translating data into real world results will benefit cancer patients in easy understanding of outputs	Huge opportunity in Pharmaceutical side of business

- **Product Vision-** Egen's product is for oncology patients, healthcare providers and pharmaceutical companies who needs data driven insights in precision oncology category, . The Egen's product is a SaaS that provides key insights from PHI and clinical data in real world language for target consumers.
- **Product Customer Persona** – Cancer patients, Oncology Healthcare Providers, Pharmaceutical companies.
- **Product Positioning-** Product will assist EHR systems in data extraction from health records, data analyzed using Egen's wide range of technologies giving data insights in real world language through visualization.
- **Product Goal-** Product provides easy compatibility with current EHR systems giving benefit of precision medicine analysis to oncology patients in easy-to-understand language.
- **Product differentiation-** Egen's product provides cloud functionality for easy access and scalable storage.

Product Roadmap



	Q1	Q2	Q3	Q4
Version	08-01-2021 Version- 1	12-01-2021 Version- 2	04-01-2022 Version-3	08-01-2022 Version- 4
Goal	Launch MVP Compatible with current EHR systems	Finding Patterns through various technologies using data analysis	Drug discovery and Personalized treatments using Data science	Documentation and Reporting using Data visualization
Key Features	Genomics data and personal data storage	Patterns based on genomics and predictive analysis	Patterns based on everyday personal data and predictive analysis	Dashboard on key patterns and drug suggestions
Metrics	App Downloads Registered users EHR systems updated	Stakeholders Interviews Past R&D Data sets	Stakeholders Interviews Past R&D Data sets	Reports downloaded Drug discoveries User applied for service

- **Artificial intelligence**- used in marketing from chatbots that handle routine customer queries to analytics tools that show your leads the optimal content and product offers
- **Text analytics** -analyzing previous email strategies to create a predictive model to optimize your email marketing results, or parsing vast numbers of websites of potential clients to find suitable matches for your software
- **Virtual reality**- applications include creating more powerful product demonstrations, which include visual cues to highlight key features or simulations of real-world product use
- **Data Analytics**- intent data analysis can help sales team connect with prospects at an earlier stage of the buying cycle, by tracking surges in research into healthcare SaaS solutions by your target prospects which would suggest an intent to purchase a solution
- **Content cluster**- To improve your search rankings, choose a few topics that are most relevant to your brand - for example, “healthcare IT”

Egen's Business Model Canvas for Precision Medicine Market



Business Model Canvas

Designed for:

Egen solutions

Designed by:

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Date:

07-05-2021

Version:

1

Key Partners

- Healthcare Providers
- EHR software companies
- Oncology healthchains
- Pharmacueticals companies
- Cancer Patients
- R&D labs
- AWS
- Tablueau
- Healthcare regulators

Key Activities

- Technology R&D
- Software licensing
- HIPPA permissions
- Data Analytics
- Sales & Marketing
- Stakeholders interviews

Key Resources

- Data scientist
- ML engieers
- Healthcare providers
- Engaging Patients
- Data Analyst
- EHR Systems
- Oncology experts

Value Propositions

- Low cost softwares
- EHR system compatiblity
- Oncology expertise
- Cloud technologies
- Data vizualization
- Genomics learning
- Pesonalized output
- Drug discovery

Customer Relationships

- Self Service
- Easy to use
- Easy to understand
- 24*7 Availability
- On demand

Channels

- Any Device using Cloud Based accesibility
- Personalized Application
- EHR systems
- On demand mailing
- Personalized document sharing

Customer Segments

- Geographical
- Age group
- Type of Cancer specific
- Drug Specific
- Usage Specific
- Delivery Specific

Cost Structure

- Liecensing
- Production
- Tableau Licensing
- Infrastructure- AWS
- Marketing
- Machine learning technologies
- AI technologies
- Healthcare permissions
- PHI Hippa permissinons

Revenue Streams

- Usage Fee
- Subscription Fee
- Installation Fee|
- Product feature dependent
- Customer segment dependent
- Volume dependent

- I would like to make 4 statements for ending this presentation and justifying my work –
- 1. Research work
- 2. Product Envisioning
- 3. Addressing the most important pain point
- 4. Missing areas of precision medicine application

References

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