

Al & Human Synergy for Superior Healthcare





asklepius.ai



Smarter Healthcare, Better Outcomes

HIGHLIGHTS

- First mover in preventive, personalized medicine based on genomics with A.I.
- We believe in the power of technology to make healthcare more efficient, accessible, and patient-centric
- Asklepius.ai as a pioneering Al-driven solution poised to transform healthcare, focusing on decreasing medical errors, early disease detection, doctor support, enhanced patient care and improve patient outcomes



THE PROBLEM

High mortality caused by cancer and chronic diseases.

High healthcare costs.

Lack of personalized medicine

No transparent costs of treatments

Doctor centric model

Limit access to preventive care

Medical Errors cause staggering damage

WHY NOW?

Advancements in technology

Patient's physical and financial health.

Early-stage disease detection

Growing demand for personalized medicine

Transparent costs and payments

Empower patients



THE SOLUTION

- Al-Driven Synergy: Asclepius.ai integrates seamlessly with healthcare professionals, creating a powerful synergy that maximizes both human expertise and Al capabilities.
- Decreasing Morbidity & Mortality: By providing predictive insights, automating routine tasks, and offering comprehensive health data analysis, Asklepius.ai aids in early disease detection and decreases medical errors, aiming to reduce morbidity and mortality rates.
- Enhanced Patient Care: Our AI solution empowers patients with easy access to health records, personalized health insights, and telehealth services. It offers a level of personalized care that was previously unattainable, leading to improved patient experiences and outcomes.
- Power to the Patients: Asklepius.ai shifts the paradigm from a doctorcentric model to a patient-centric one, giving patients more control over their healthcare journey.
- The Future of Healthcare: With Asclepius.ai, we're not just reacting to current healthcare issues we're anticipating the future, setting a new standard for what healthcare can be.



SOLUTION HMA.health



Patient Benefits:

- Early Disease Detection: Asklepius.ai leverages complete genomic sequencing to provide a detailed understanding of a patient's genetic makeup. It utilizes advanced AI algorithms to interpret this data, thereby identifying potential health risks.
- Personalized Care: Tailored to each patient's unique genetic makeup and health history.
- Access to Health Records: Patients have easy access to their electronic medical records, making it easier to manage their health data.
- **Telehealth Services:** Patients can access healthcare from the comfort of their homes, making it especially beneficial for patients living in remote areas.
- Al Chatbot: A 24/7 Al chatbot provides real-time information and support to patients, answering queries and providing health recommendations.
- Control Over Healthcare: Empowers patients, providing them with the tools to take control of their healthcare journey.

MARKET OPPORTUNITY

Total Addressable Market (TAM)

\$80 Billion Personalized Medicine (USA)
Serviceable Addressable Market
(SAM)

Patients and Doctors that could benefit from using asklepius.ai \$47.52 B

Target Market

Al in Healthcare Market of 24 Billion by 2025

Target Costumer

Individuals, healthcare providers, companies

TAM \$80 B

\$AM \$47.52B

TARGET MARKET \$24B

CAGR 41.5%

Feature Rollout



Gen 1:

Clinical Assistant
Coding & Billing Assistant
Appt./Booking Scheduler
Collaboration/Coms platform

Gen 2:

Triage Assessment
Electronic Health Record Integration
Payment System (patient)
Patient portal (start)
Insurer portal (start)



The Team



Adrian Cravioto M.D.
CEO + Founder





Owen McNally Head of Al and Statistics





Jonathan Rowley
Head of Software Development





Lisa Huron Healthcare Business Development





Jawad Kazi
Al. Data Science







Thank you!



CEO & FOUNDER HMA Health

Adrian Cravioto M.D.

adrian.cravioto@hma.health Cell Phone: +1 210 577 6228



APPENDIX



THE PROBLEM

- High Morbidity and Mortality Rates: Current healthcare systems struggle to decrease these rates
 due to inefficient processes and reactive instead of preventive care.
- Overburdened Healthcare Professionals: Doctors and healthcare staff face heavy workloads, resulting in less time for patient interaction and care.
- Limited Predictive Care: Despite vast amounts of health data, there is limited use of predictive data in patient care leading to missed opportunities in early intervention.
- Doctor-Centric Model: Traditional healthcare models put physicians in control, leaving patients feeling disengaged from their own health management.
- Lack of Patient Empowerment: Many patients lack the necessary tools to understand, participate
 in, and take control of their healthcare journey.



- Rapid Advancements in AI: AI technology has made incredible strides in the last few years, making the development of an AI-driven solution like Asklepius.ai possible.
- Growing Acceptance of AI in Healthcare: Physicians, patients, and healthcare systems are increasingly open to AI solutions in healthcare, creating a receptive market.
- Rise of Telehealth: Social distancing measures have accelerated the demand for telehealth services, making our solution more relevant than ever.
- Increasing Healthcare Costs: As healthcare costs continue to rise, the need for
 efficient, Al-driven solutions that can help reduce these costs is becoming more
 critical.



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Landscape of genomic alterations in cervical carcinomas

Akinyemi I. Ojesina^{1,2a}, Lee Lichterstein^{2a}, Samuel S. Freeman², Chandra Sekhar Pedamallu^{1,2}, Ivan Imaz-Rosshandler³, Trevor J. Pugh^{1,2}, Andrew D. Cherniack², Lauren Ambrogio², Kristian Cibukkis², Bjørn Bertelsen⁴, Sandra Romero-Cordoba³, Victor Treviño³, Kard u Arguere-Santillan³, Alberto Salido Gudarrama³, Alex La Wright^{1,2a}, Mara W. Rosenberg⁵, Fujiko Duke⁴, Bethany Kaplan^{1,2a}, Rui Wang^{1,2}, Eizabeth Nickerson³, Heather M. Walline⁶, Michael S. Lawrence³, Chip Stewart³, Scott L. Carter², Adron McKenna³, Iran P. Adrojue-Sandra³, Magali Rspinosa-Castllag³, Kathrine Weile⁶, Line Bjørgg^{6,13}, Elisabeth Wik^{6,11}, Mari K. Halle^{6,11}, Frling A. Holvik^{6,11}, Camilla Kraisstad^{16,11}, Nayeli Belem Gabin³, Gabriela Sofia Gomez-Macias⁹, Lezmes D. Valdez-Chapa³, Maria Lourdes Garza-Rodrigue², German Maytorena³, Jorge Vazquea³, Carlos Rodea¹, Adrian Cavioro⁵, Maria L. Cortes², Heid Grotes⁵, Hada B. Savbespr^{6,11}, Stacey B. Gabriel³, Claudia Rangel Escareno^{1,13}, Lars A. Akslen^{4,15}, Thomas E. Cargy¹, Olav K. Vintermyr^{1,16}, Stacey B. Gabriel³, Edabriel³, Hada B. Savbesen^{1,10,11} & Matthey Meverson^{1,2,13}

in women worldwide 1,2. The actiological role of infection with highrisk human papilloma viruses (HPVs) in cervical carcinomas is well established. Previous studies have also implicated somatic mutations in PIK3CA, PTEN, TP53, STK11 and KRAS⁴⁻⁷ as well as several copynumber alterations in the pathogenesis of cervical carcinomas^{8,9}. Here we report whole-exome sequencing analysis of 115 cervical carcinomanormal paired samples, transcriptome sequencing of 79 cases and whole-genome sequencing of 14 tumour-normal pairs. Previously unknown somatic mutations in 79 primary squamous cell carcinomas in clude recurrent E322K substitutions in the MAPKI gene (8%). inactivating mutations in the HLA-B gene (9%), and mutations in EP300 (16%). FBXW7 (15%), NFE2L2 (4%), TP53(5%) and ERBB2 (6%). We also observe somatic ELF3 (13%) and CBFB (8%) mutations in 24 adenocarcinomas. Squamous cell carcinomas have higher frequencies of somatic nucleotide substitutions occurring at cytosines preceded by thymines (Tp*C sites) than a denocarcinomas. Gene expression levels at HPV integration sites were statistically significantly higher in tumours with HPV integration compared with expression of the same genes in tumours without viral integration at the same site. These data demonstrate several recurrent genomic alterations in cervical carcinomas that suggest new strategies to combat this disease.

The prevention of cervical cancer by Pap's mear-based screening and satisfic treatment programs has been largely accessful in resource-cit countries. However, cervical cancer is the second most common cause of cancer-related deaths in women in developing countries, in which many patients and elapsined and advanced stages of disease with himself waterner options and poor prognosis? Recent advances in targetal therapy against specific somatic alterations have transformed the management of cancers it esting, ended in the discovery of new therapeutic targets in cervical cancine could improve upon current strategies to combate crysical cancer and the could improve upon current strategies to combate crysical cancer and the countries of the countries

could improve upon current strategies to combat cervical carcinomas. To provide comprehensive data on the landscape of genomic aberrations that contribute to cervical cancer, we investigated a cohort that included 100 pasients from Norway and 15 pastents from Mexico (Supplementary Notes 1–7). We performed exome sequencing of 193,094

Cervical cancer is responsible for 10–15% of cancer-related deaths in women worldwide. The actiological role of infection with high-risk human papilloma viruses (HPVs) in cervical carcinomas is well established. Previous studies have also implicated somatic mutations in HPXCA, PTPX, TPS3, STRI and KRA5" as well as several conyrumber alterations in the pathogenesis of cervical carcinomas. Here were pert whole come sequencing analysis of 115 cervical carcinomas. The consense, 4,643 silent, 219 splices ite and 29 translation starts ite mutations are sense than the pathogenesis of cervical carcinomas.

The aggregate nonsilent mutation rate across the data set was 3.7 per Mb. However, squamous cell carcinomas had a higher rate of norsilent mutations (4.2 mutations per Mb) than adenoa retinomas (1.6 mutations per Mb) (Wilcoxon P=0.0095). The clinical, pathological, epidemiological and mutational characteristics of the tumours are summaried in Supplementary Figs 1–6, Supplementary Tables 1–5 and Supplementary Notes 8 and 9.

Hierarchical clustering of all 115 tumours on the basis ofmutational context revealed that most tumours were characterized by previously described in mutations all signatures: with predominantly 17°C-to-17′G mutations and "OpC-to-17′mutations (Fig. 1 and Supplements prig. A). Ty*C mutations were present at a relative frequency of >0.5 in 53° (46%) tumours, and the relative frequency of Ty*C mutations was observed to correlated with mutation rates, especially in squamous cell carloomas (Fig. 1.5 supplementary Fig. 1). addition. 5,648 (54%) of the 103.28 nonsilent mutations observed in summous cell carcinomas (Fig. 1.5 mutations when the control of the 103.28 nonsilent mutations observed in summous cell carcinomas (Fig. 1.5 mutations).

"We performed mutation significance analyses on 79 squamous cell cardinomas and 24 adenocarcinomas. Genes were determined to be significantly mutated if recurrent mutations werefound in that gene at a false discovery rate of q < 0.1 after correction for multiple hypothesis esting, as described previously? (Eupplementary Note 6). Details of candidate mutation validation are presented in Supplementary Figs 6 and 7.

As expected, recurrent mutations in PIK3CA, PTEN and STK11 were present in 14%, 6% and 4%, respectively, of 79 squamous cell carcinomas (Table 1). In addition, we found significantly recurrent mutations in EP300 (16%), BXW7 (15%), HLA-B (9%), MAPKI (8%) and NFE2L2.

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CEO & FOUNDER HMA Health

Adrian Cravioto M.D.

adrian.cravioto@hma.health Cell Phone: +1 210 577 6228



THE SOLUTION

GENOMIC TESTING AND AI

Early Detection: Identify genetic markers for diseases, allowing for early detection and prevention.

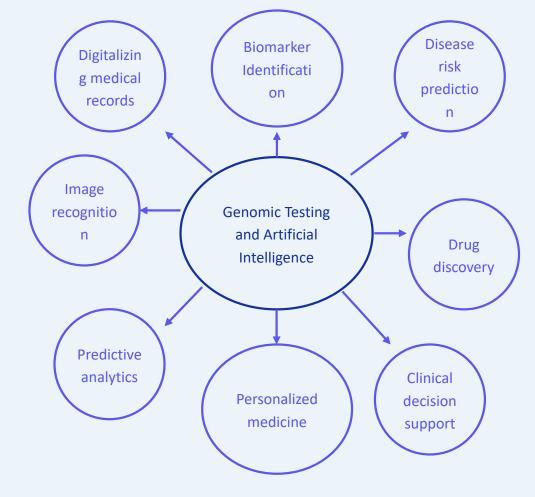
Personalized Medicine: Focusing on increasing lifespan and rejuvenation.

Improved Patient Outcomes: Leading to improved treatment plans and better patient outcomes.

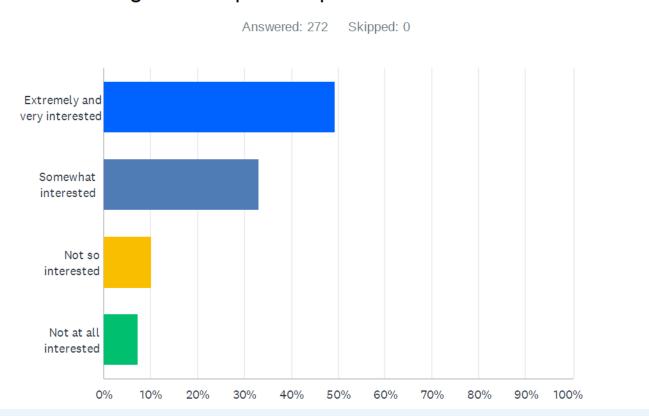
Precision Medicine: Precise and targeted treatment plans that improve patient outcomes.

Reduced Healthcare Costs: Smart contracts can reduce costs by 65%. We can take intermediaries off.

Research. Drug discovery.



Q1 How interested would you be in a healthcare platform that uses genomic testing and artificial intelligence to detect diseases at an early stage and to provide preventive medicine?



Q4 How important is personalized medicine to you when it comes to your healthcare?

