



TREEHOUSE TECHNOLOGY GROUP

COMPANY BACKGROUND &
HEALTHCARE OVERVIEW

THE TREEHOUSE MISSION

Treehouse Technology Group is a healthcare technology strategy, custom software development and systems integration firm. We provide both product and strategy consulting, in addition to technical implementation and project execution. We believe in an independent approach to technology solutions, and work with firms to define, deliver and execute their technology strategy.

TTG prides itself on our ability to **solve complex business problems with custom-tailored solutions** that support the ever-changing business environment of our partners.



COMPANY BACKGROUND

- Founded in 2013
- Offices in Boston, MA; Bluffton, SC; Guadalajara, Mexico
- 20 full time employees
- 24+ part time employees/contractors
- 75+ clients



TTG IN HEALTHCARE

- 30 Years experience in healthcare strategy, systems development and integration
- 40 Years experience in healthcare analytics
- Risk Management and Model Development
- Group Health, Disability, Employer Health and Safety, (Re)insurance, Chronic Disease, Medical Centers, Networks
- Clients: Dozens of Medical Centers, Health Plans, BCBS, Startups to F500 Companies

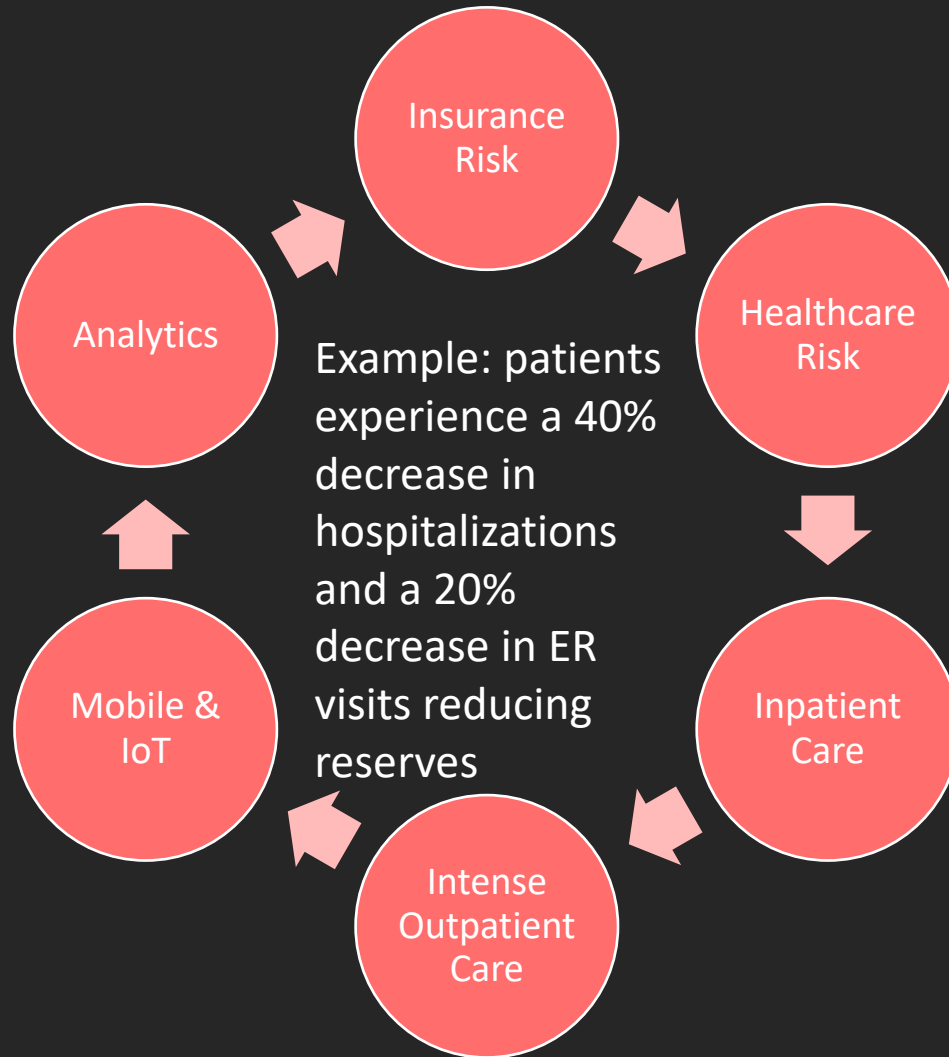


TTG SERVICES

- Technology Strategy & Solutions
- Systems Integration & Managed Services
- Healthcare R&D Platform
- ERP & CRM Implementation/Optimization
- Customer Service Automated Solutions
- Blockchain Solutions for Healthcare and Insurance



SOLUTIONS IN HEALTHCARE & RISK MANAGEMENT



HEALTHCARE MARKET APPROACH



- Opportunity identification and prioritization
- Analytics & solution design
- Test and learn using pilots
- “Service Line 2.0” Methodology (McKinsey)
 - Disease or Condition-Based Program Development
 - Family & Patient Identification Risk Models
 - Patient/Family Engagement and Management Solutions
 - Virtual Medical Center with customization
 - Multi-Disciplinary Teams and Financial Members
 - Employer/Family/Provider Integration
 - Improved access to care 7x24 Everywhere

HEALTHCARE MARKET SOLUTIONS



- Strategy, Design and Architecture
- Analytics
- Global Cloud Platform for Healthcare and Insurance
- Intensive Outpatient Care
 - Integration of Office, Home, Care Teams, Family
- Virtual Medical Center for Care Coordination and Financial Management
- Cross Disciplinary Team Deployment
 - Clinical, Financial, Administrative
- Financial and Actuarial Solutions
 - Cost of Care, Budgeting & Financial Models
 - Stop Loss and Insurance Management Solutions

THE FUTURE OF CHRONIC DISEASE⁹

EXHIBIT 5 Transforming a care journey using a chronic disease strategy

ILLUSTRATIVE



Jim is a 54-year-old patient with diabetes being treated with insulin. He takes his medications regularly, but has trouble keeping his follow-up appointments due to his work schedule. He realizes he needs to make lifestyle changes and has seen a nutritionist once, but has had difficulty sticking to his diet and exercise regimen. He has a smartphone that he uses regularly for email, messaging, and browsing.

Jim is seen for the first time at an affiliated urgent care center for flu-like symptoms...

Key service line 2.0 program components

Clinical programs

- Jim's care plan is based on comprehensive, up-to-date guidelines that include clinical and lifestyle recommendations
- Updates to his care plan flow through automatically to the analytics engine, as well as physician and patient interfaces

Predictive analytics

At first contact...

- Caregivers are prompted by Jim's EHR to give him information about the integrated program for high-risk diabetic patients
- A follow-up appointment with his primary care physician is made before discharge

Ongoing...

- Integrated inputs from the EHR, Jim's tracking devices, and text messages create regular progress dashboards for Jim and his providers, and anticipate care needs (e.g., cardiology follow-up because of reduced exercise tolerance)



Engagement

- Digital tools empower Jim to take charge of his care journey and provide an interface to his caregivers[†]
- A Bluetooth-enabled glucometer feeds results directly into Jim's EHR
- Diet- and medication-tracking apps record intake and make recommendations, including follow-up appointments
- Fitness-tracker app helps Jim maintain his exercise regimen; it also pairs with wearable sensors that detect irregularities in vital signs during exercise that would trigger the need for caregivers to review Jim's medical record

Access

- Co-located providers allow Jim to see his primary care physician and nutritionist, and have his cardiology check-up the same day, during a visit he scheduled through his wellness app
- Jim is able to chat online with his patient navigator and/or other providers as required, and do e-visits if appropriate

EHR, electronic health record.

[†]The tools are provided free of charge to Jim. The health system has outcome-based contracts with vendors that ensure value capture and/or receives reimbursement from payers (e.g., using CPT 99490).

THE TREEHOUSE APPROACH

Team

- Strategy, Architecture, Requirements and Design Support
- Dedicated Project Manager, Business Analyst, Quality Assurance & Developers work together in unison

Agile Development

- Full Cloud Platform Foundation for Healthcare and Insurance
- Rapid Prototyping, Real-time upgrades
- Early system demonstrations and feedback
- Repeated testing and validation for client approval

Client Collaboration

- Daily stand-ups to review progress, next steps and outstanding issues preventing progress
- Bi-weekly detailed requirements and demo meetings
- Open communication channels through email, video calls, Skype chat and phone



TECHNOLOGY SERVICES

Strategic project alignment

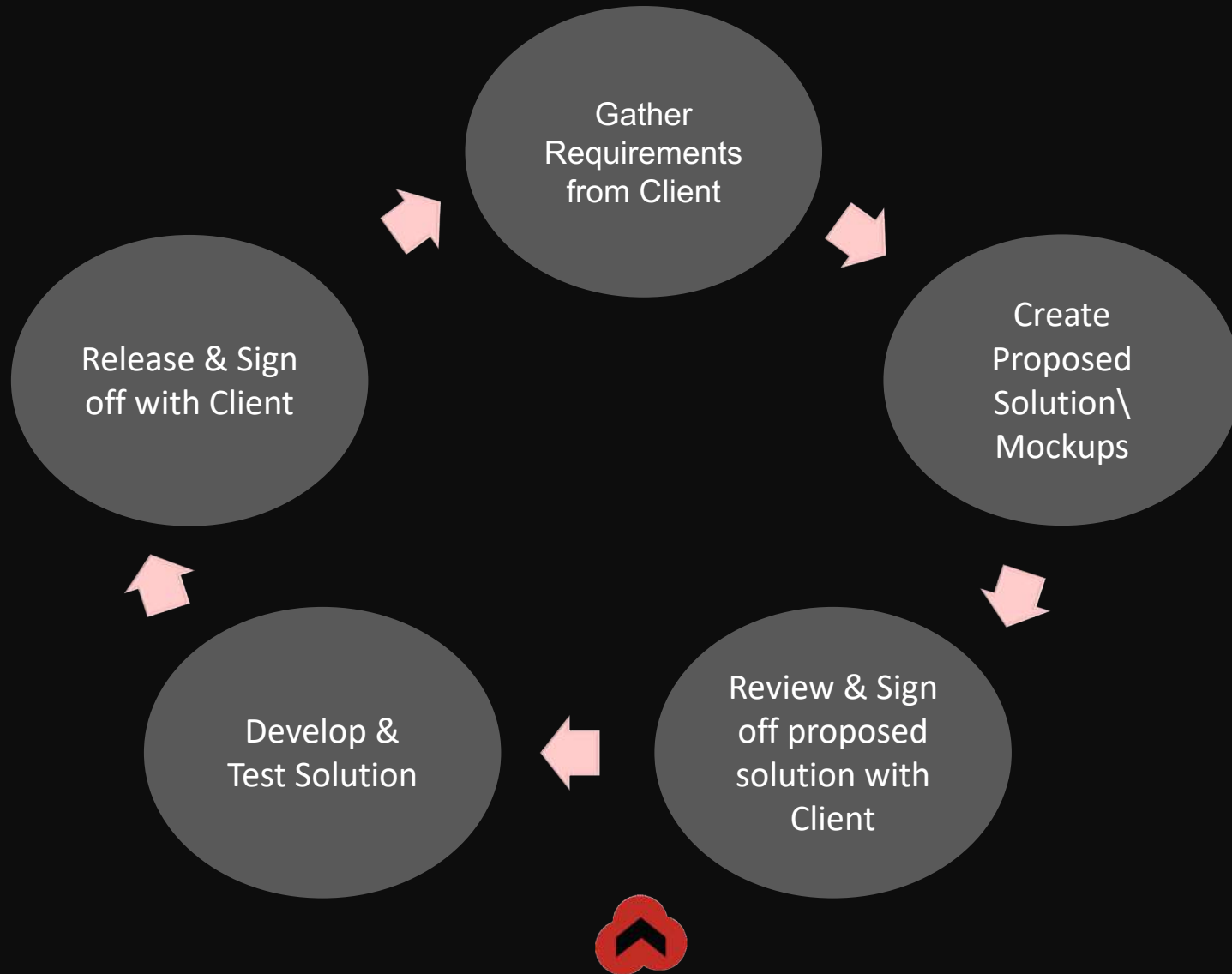
- Project planning and resource allocation
 - Project forecasting and budgeting
 - Agile project management
- Requirements planning and analysis
- Technical analysis and infrastructure planning
- Full software development lifecycle planning (Req/Coding/Testing/Release)
- Training and Adoption
- Production planning
- On-Premise/Cloud Hardware provisioning

Application programming

- Healthcare and Insurance Platform
 - Data development
 - Data modelling
- ETL Development & data integration
- Data management and governance
- Validation, Security Processes
- Business Intelligence, analytics and data mining
- Dashboard development
- Statistical analysis and forecasting
- End-user cube analysis and querying
 - Query tools
 - Visualizations
- Algorithm development
- Performance tuning and optimization

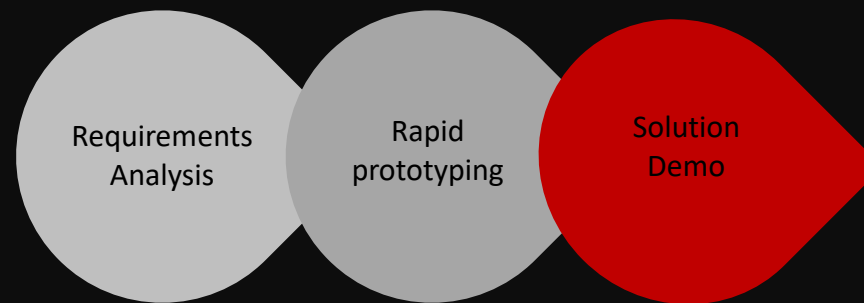


DEVELOPMENT PROCESS



DEVELOPMENT PROCESS

- Full Oracle 12C Platform for the Cloud for design and development
- No open source tools to reduce security and safety issues
- Customization of features and functionality down to the user
- Agile/phased approach to software development



- After rapid prototype -> Move to full system development phase



TOOLS & PARTNERS

- Jira – Project Management and Issue Tracking
- TeamGantt – Project Phasing and Timeline
- Oracle – Healthcare and insurance Cloud R&D Platform
- Slack – Internal communication and messaging
- AWS – Infrastructure As A Service Provider
- Cloudflare – Web application firewall
- BIME – Reporting & Analytics
- Zendesk – Customer support management



CLOUD PLATFORM TECHNOLOGY

- We use the same technology platform as Salesforce.com
- Oracle 12C for the Cloud development, systems integration and data security
- Oracle Application Express
- PL/SQL and JavaScript
- 1,000,000+ codes and custom Dictionary included
- Real-time secure transaction processing using Oracle, IBM and Microsoft queues and custom rule engine
- Sarbanes/Oxley audit trails
- EU GDPR compliant



THE TREEHOUSE APPROACH

- This is what we do. We are experts in healthcare, insurance, systems development, architecture and reporting.

We handle the technical and logistical aspects of development and focus on building well designed, cloud-based applications that improve your operational efficiency and increase your bottom line.

We make sure to completely understand your businesses objectives both short term and long term. Our goal is to develop a long term relationship and be your technology resource partners as your company continues to grow in the 21st century.

- We put a huge emphasis on communication. We want to be an extension of your team and understand your business, your market and your future goals.
- We deliver exceptional results while always making sure that you have a complete understanding of the technology and the processes we use.





THANK YOU!

