



TREEHOUSE TECHNOLOGY GROUP

FUTURE OF CHRONIC DISEASE

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.



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 OVERVIEW

FUTURE OF CHRONIC DISEASE CARE



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

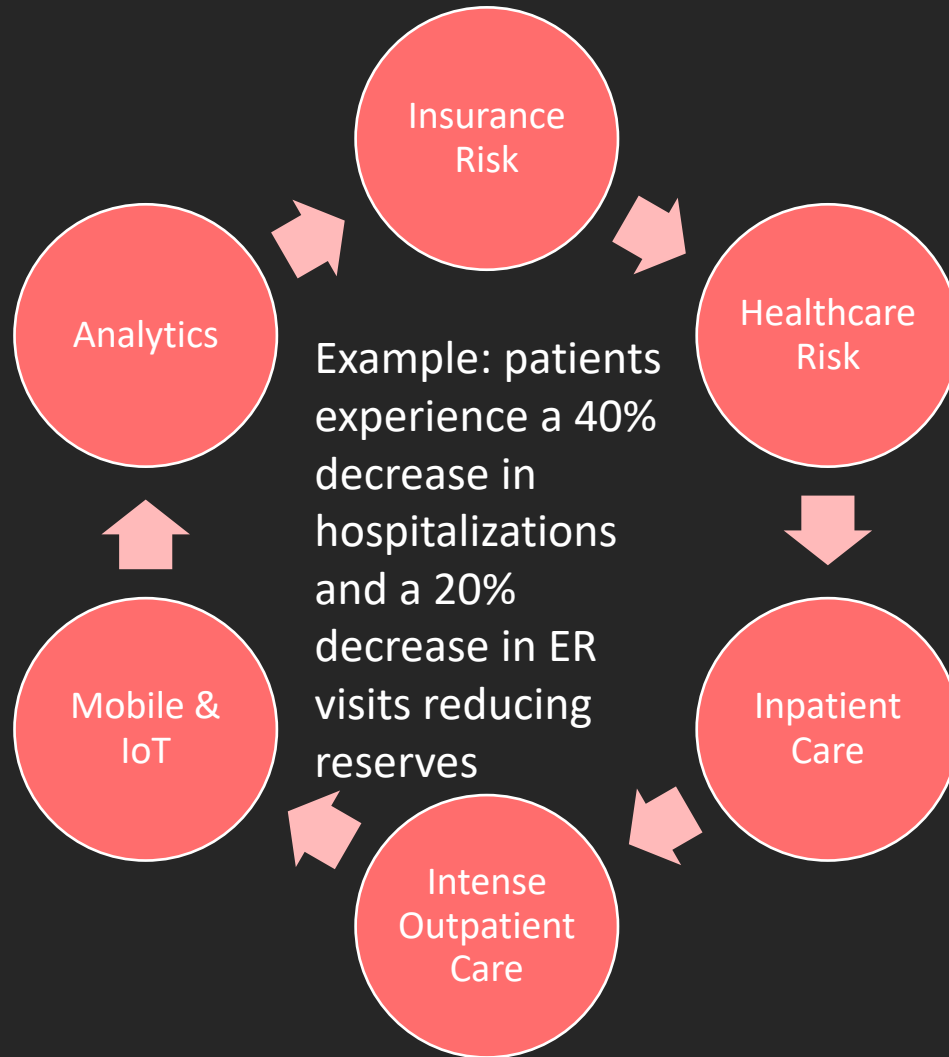
Access

- 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).

SOLUTIONS IN HEALTHCARE & INSURANCE RISK MANAGEMENT



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





THANK YOU!

