

## AGENDA



Team
Current Problem
Hub to Cure Solution
Business Model
Financials

Overall Project
Phase 1

Key Milestones Achieved

## **TEAM & STAKEHOLDERS**





*Sandeep Allam* Owner & Founder



Christine Van Marter COO



**Dr. Craig Lammert** Partner and Domain Expert



*Shubham Jain* Product Owner



Dr. Raj Vuppalanchi Partner and Domain Expert



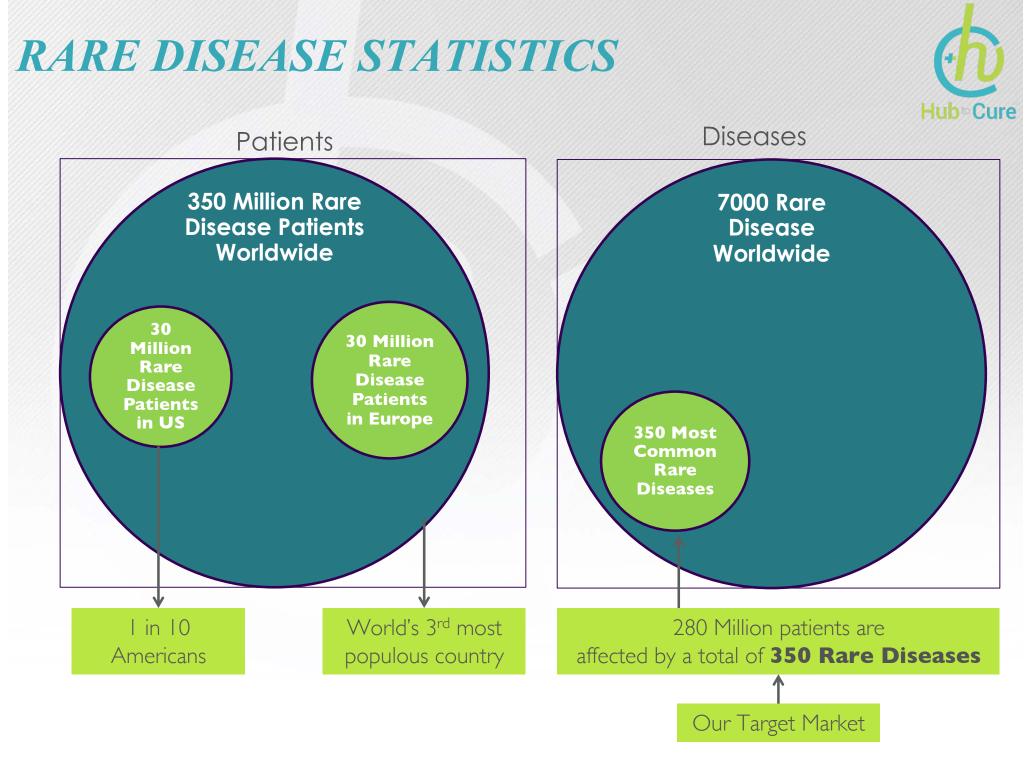
**Brad Robbins** Infrastructure Director



Harini K Technical Program Manager



*Dr. Vijay Reddy* Senior Advisor



https://globalgenes.org/rare-diseases-facts-statistics/

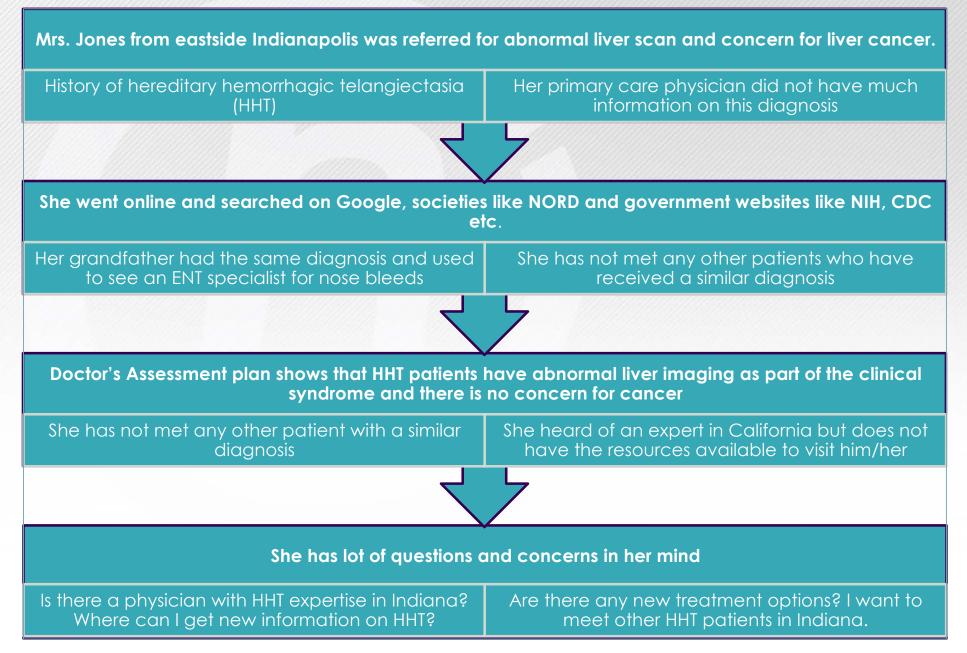
## **INITIAL TARGET DISEASE LIST**



			Dallasta
#	Disease	Category	Patients
1	Autoimmune hepatitis, Primary biliary cholangitis, Primary sclerosing cholangitis, Eosinophilic esophagitis - GI/Hepatology	GI/Hepatology	450,000
2	Idiopathic craniofacial erythema	Blushing	~200,000
3	Marfan syndrome	Congenital and Genetic Diseases; Eye diseases	200,000
4	Polycythemia vera	Blood Diseases; Rare Cancers	185,000

## **REALITY NOW - Mrs. Jones Story HHT RARE DISEASE**





## **SUCCESSFUL POC - AIH**

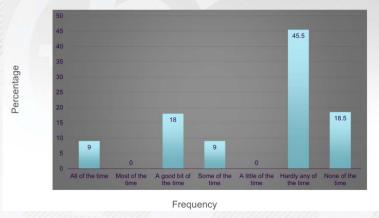


- 898 separate posts and 9,759 comments (2016)
- 74 Facebook cases on single AIH disease, average distance greater than 500 miles from Indianapolis
- 400 AIH patients' bio specimens are collected and securely stored at biorepository

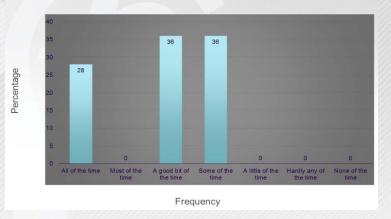
## **AIH ANALYTICS OUTCOMES SNAPSHOT**



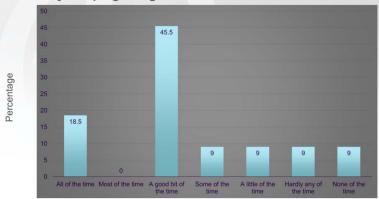
How much of the time during the last two weeks have you felt depressed?



How often during the last two weeks have you felt sleepy during the day?

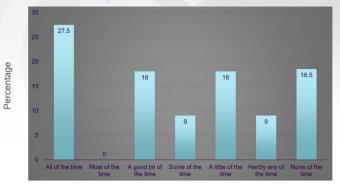


How much of the time during the last two weeks have you had difficulty sleeping at night?

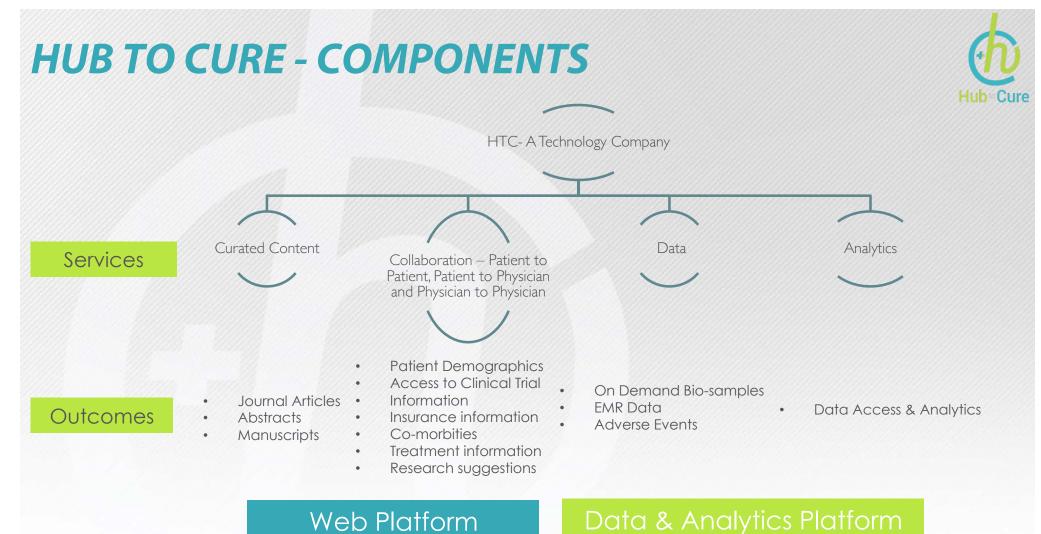


Frequency

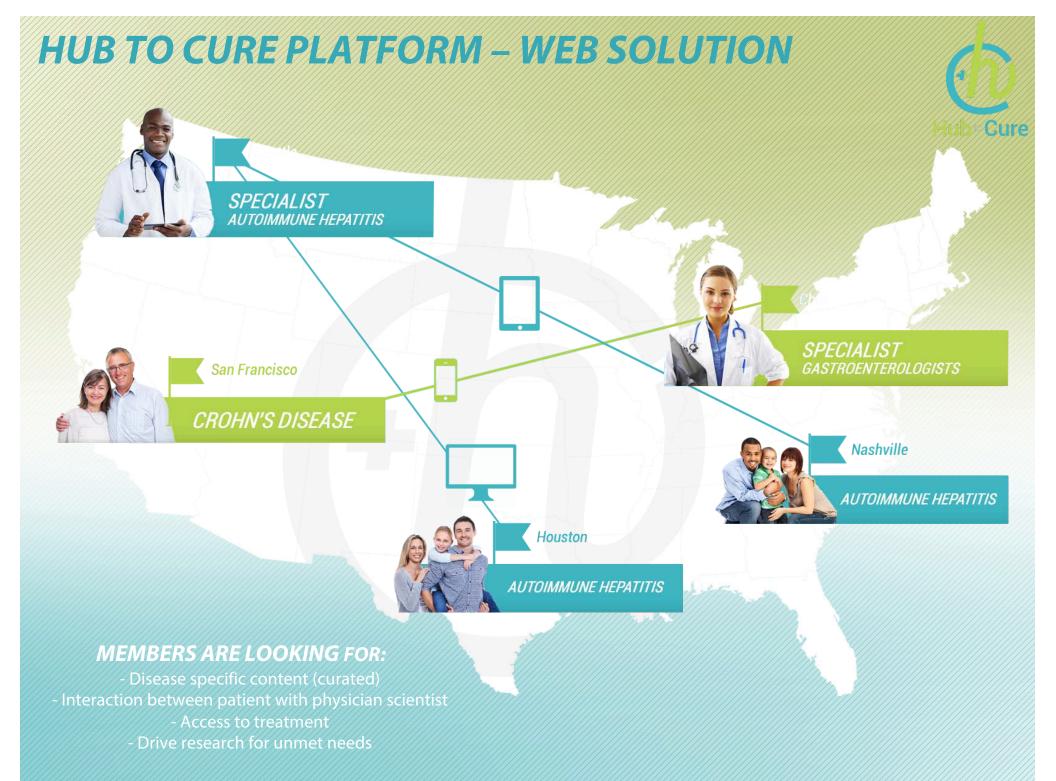
How often during the last two weeks have you felt anxious?



Frequency

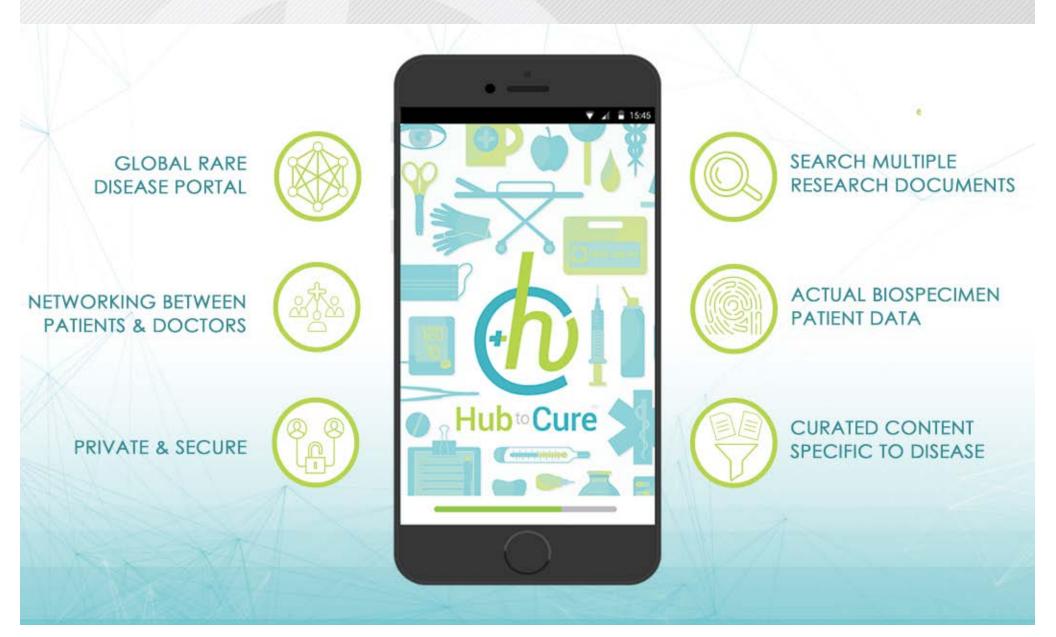


#### **Hub-to-Cure Platform**



## **HUB TO CURE - WEB PLATFORM**





#### WEB PROTOTYPE

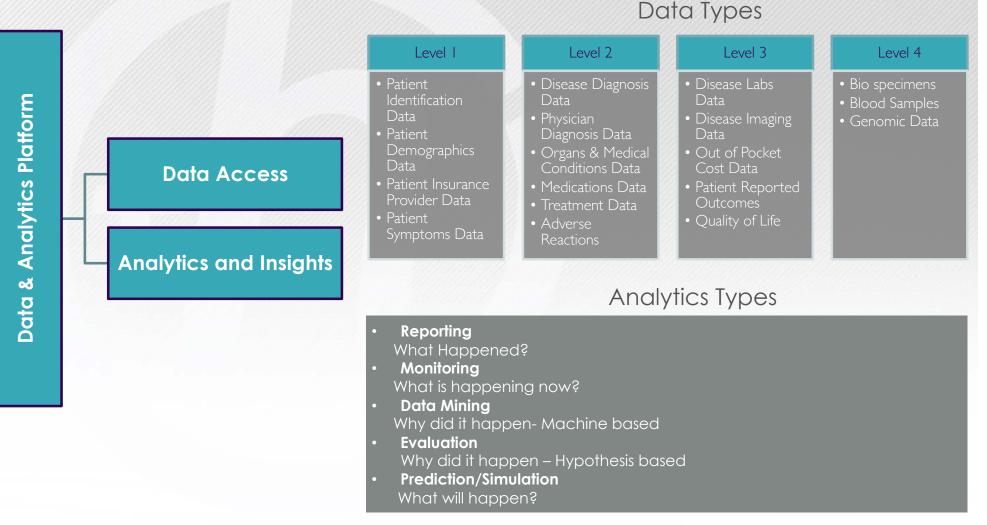
- Member & Pl's Profile
- Disease Specific Community
- Collaboration between Members
   and Primary Investigators
- Healthcare Events

	👔 Jane Doe	G		tub 🕁	Cure	Type for search Q 👳 🔗
. (	DASHBOARD				Trending Treatment Tonics	My Hub Activity:
	Q MY ACCOUNT				Trending Treatment Topics:	OVERALL MONTHLY GOAL REACH
1	EVENTS					75%
			to an all	W. ou Bak	Brugada Syndrome 50/90 Active	
	MY KNOWLEDGE BASE		HTC Spring (	Cure Conference	Polyscystic kideny Disease 47/63 Active	10 1W 1M 1Y
	C <sup>O</sup> MY GROUPS		B	auto	Scleroderma 35/120 Active	a a
	MEWS			The Wednesday 🚓 🖪	Autism 25/25 Active	PIAP Index +10%
				Research Report! Bacon ipsum dolor amet shankle tri-tip salami doner chicken rump.	Crohn's Disease 12/50 Active	Treatment Actions +25% Feedback +12%
				Cow meatloaf boudin, jowl beef corned beef turducken sirloin biltong Meatloaf bacon t-bone ground round doner leberkas drumstick tongue pork belly jowl chuck ball	Ulcerative Colitis 10/12 Active	JANE'S RESEARCH GROUP
			Admin 08:15.AM	tip turkey hamburger strip steak.           READ MORE         0 0 0	VIEW MORE TOPICS	Harry Roberts
				Webb Dester Destric	😂 Cure+Pedia:	Manik Rathee 🕀
				Watch Doctor Scott's &  Crons Keynote Recap Bacon ipsum dolor amet shankle tri-tip salami doner	27 7	Brad Frost O
				chicken rump. Cow meatloaf boudin, jowl beef corned beef	ASKING QUESTIONS ANSWERED QUESTIONS	Harry Roberts
				turducken sirloin biltong Meatloaf bacon t-borne ground round doner leberkas drumstick tongue pork belly jowl chuck ball	© 12 How to make health eating choices ?	TO mate:
			Q. Admin OB:15 AM	tip turkey hamburger strip steak.           READ MORE         000	©3 What are the best treatments for	Hey Jane Check out this New Article !
					© 67 What's the difference between room	5 min ago



### **HUB TO CURE- DATA PLATFORM**





#### Audiences

Research	Providers	Payers	Pharma	Others
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## WHY HUB TO CURE & IBRI?



- New channel to access new dimensions of patient data and ability collect biospecimen (blood/urine, etc.)
- Ability to apply and scale to the IBRI diseases of interest
- Premier technology platform to engage patients in ongoing research
- Dynamic capture of disease state over time
- Speed Innovation

## **SCALING FOR POTENTIAL CLIENTS**



#	Disease	Category	Patients
1	Monogenic (Rare) Diabetes	Genetic Diabetes	600,000
2	Autoimmune hepatitis, Primary biliary cholangitis, Primary sclerosing cholangitis, Eosinophilic esophagitis - GI/Hepatology	GI/Hepatology	450,000
3	Idiopathic craniofacial erythema	Blushing	~200,000
4	Marfan syndrome	Congenital and Genetic Diseases; Eye diseases	200,000
5	Polycythemia vera	Blood Diseases; Rare Cancers	185,000
6	Chronic Migraine	Migraine	2,000,000
7	Psoriatic Arthritis	Arthritis	1,875,000
8	Pancreatic Cancer	Cancer	600,000
9	Endometriomas	Cancer	3,000,000
	Total Patients		~ 9 Million

#### **SERVICE OFFERINGS – REVENUE SOURCES**

b



Platform Services			
Corporate (Sponsorships)			
Events (Webinars/Conferences)			
Web/ Mobile Advertisement			
Premium Features (Ex. Expert Advice)			
Platform Subscription/Licensing			

	Data Acces	ss & Analytics	
PHARMA	INSURANCE PROVIDERS	RESEARCH INSTITUTIONS	HEALTHCARE PROVIDERS
<ul> <li>CLINICAL TRIAL SITE SELECTION</li> <li>DRUG EFFICACY</li> <li>PATIENT REPORTED OUTCOMES</li> <li>CLINICAL TRIAL RECRUITMENT</li> </ul>	<ul> <li>COST OF CARE</li> <li>QUALITY OF LIFE</li> <li>ADVERSE REACTIONS</li> <li>OUT OF POCKET EXPENSE DATA</li> </ul>	• BIOSAMPLES • TREATMENTS • LABS • IMAGING	<ul> <li>SYMPTOMPS DATA</li> <li>MEDICATIONS</li> <li>DISEASE DIAGNOSIS</li> <li>PHYSICIAN DIAGNOSIS DATA</li> <li>RISK STRATIFICATION</li> <li>PRODUCTIVITY</li> </ul>

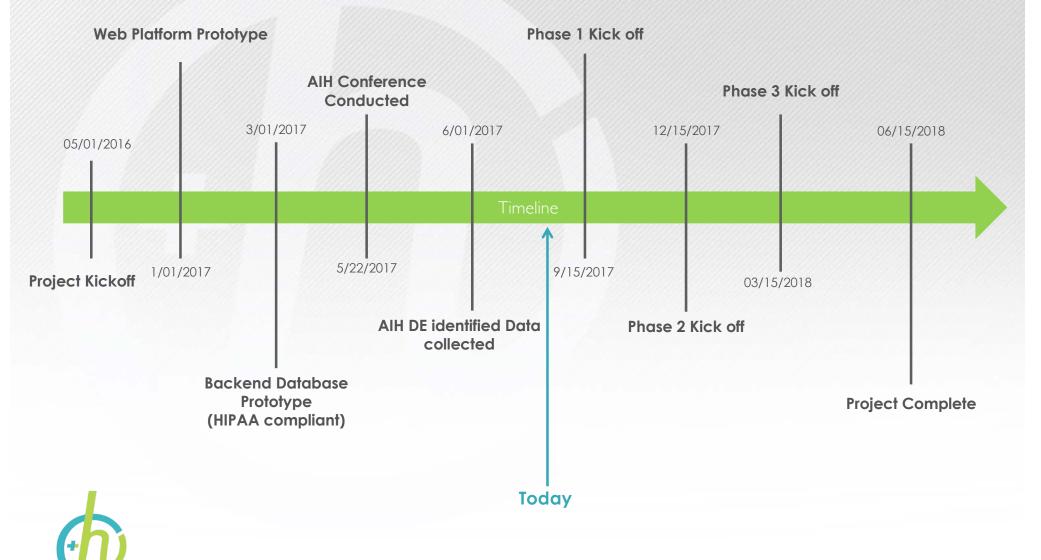
## **PATIENT DATA ACQUISITION CHANNELS**

Digital Marketing	Website/SEO     Social Media(Facebook/Twitter/Public Platforms)     White Paper
Physicians	Clinical Experts with existing patient database     Physician Scientists with existing patient database
Events	Expert Led Patient Centric Conferences     Seminars     Education Sessions
Webinars	•Expert Led Patient Centric Webinars •Consent Based One to One Expert Advise
Associations	•NPOs •Institutions
Research Groups	Research Institutions     Independent Researchers
Healthcare Providers	Hospitals     Labs     Doctor's Offices
HubToCure Experts	Disease Specific Hub to Cure Experts     Disease Specific Content Aggregators

## **DATA BUYERS ACQUISITION CHANNELS**

Digital Marketing	•Social Media(Facebook/Twitter/Public Platforms) Disease specific data only •White Paper
Data Snapshot marketing	Self Service Data Insights     De-identified data samples Insights
Indirect Channel Marketing	Pharma Consulting Companies     Insurance Consulting Companies
Partnerships with Researchers	• Academia • Practitioners • Researchers
Cold Calling	Pharma     Insurance



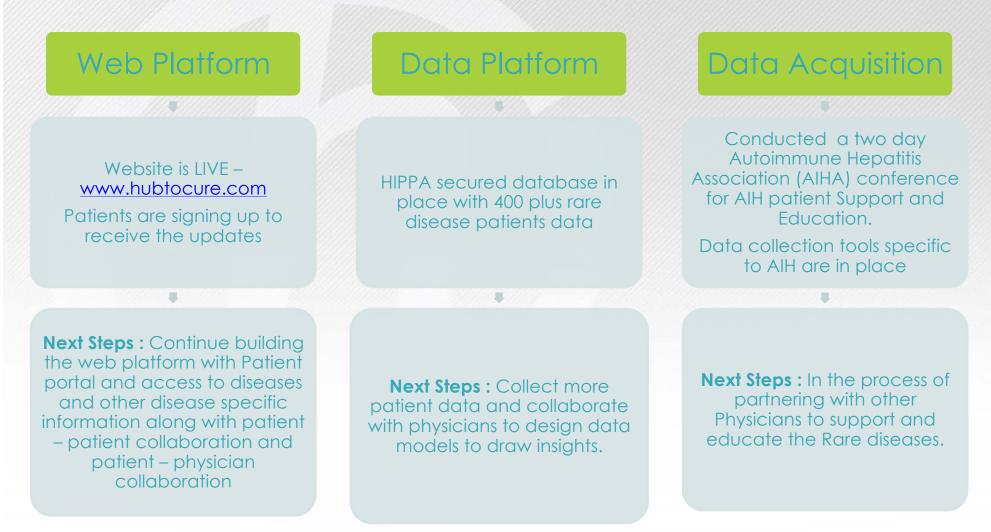


**KEY MILESTONES** 

HubtoCure

## **CURRENT STATUS vs. NEXT STEPS**







#### **REVENUE PROJECTIONS**



Year	Total Cost	Total Revenue	Margin	Patients On Board	Earnings
1	\$900,000.00	\$720,000.00	(\$0.20)	72,000	(\$180,000.00)
2	\$5,500,000.00	\$7,200,000.00	\$0.31	288,000	\$1,700,000.00
3	\$13,000,000.00	\$20,880,000.00	\$0.61	720,000	\$7,880,000.00

#	Disease	Category	Patients
1	Monogenic (Rare) Diabetes – As we are talking to interested parties	Genetic Diabetes	600,000
	Autoimmune hepatitis, Primary biliary cholangitis, Primary sclerosing cholangitis, Eosinophilic esophagitis -		
2	8/	GI/Hepatology	450,000
3	Idiopathic craniofacial erythema	Blushing	>500,000
		Congenital and Genetic	
		Diseases; Eye	
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		Blood Diseases; Rare	
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7	Psoriatic Arthritis	Arthritis	1,875,000
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	Total Patients	<del>et Disease Lis</del>	<sub>∼</sub> 9 Million

Item	Numbers	Comments
Population Space	900000	
Digitally Active	7200000	
Penetration %	50%	
Patients to be onboarded	3600000	
Conversion Ratio	20%	
Actually Onboarded	720000	
Year 1	72000	10% in year 1
Year 2	216000	30% in year 2
Year 3	432000	60% in year 3
Assumed Value	\$50.00	
Year 1 Asset Value	\$3,600,000.00	
Year 2 Asset Value	\$14,400,000.00	
Year 3 Asset Value	\$36,000,000.00	
Year 1 Actually Realized	\$720,000.00	
Year 2 Actually Realized	\$7,200,000.00	
Year 3 Actually Realized	\$20,880,000.00	

Assumptions

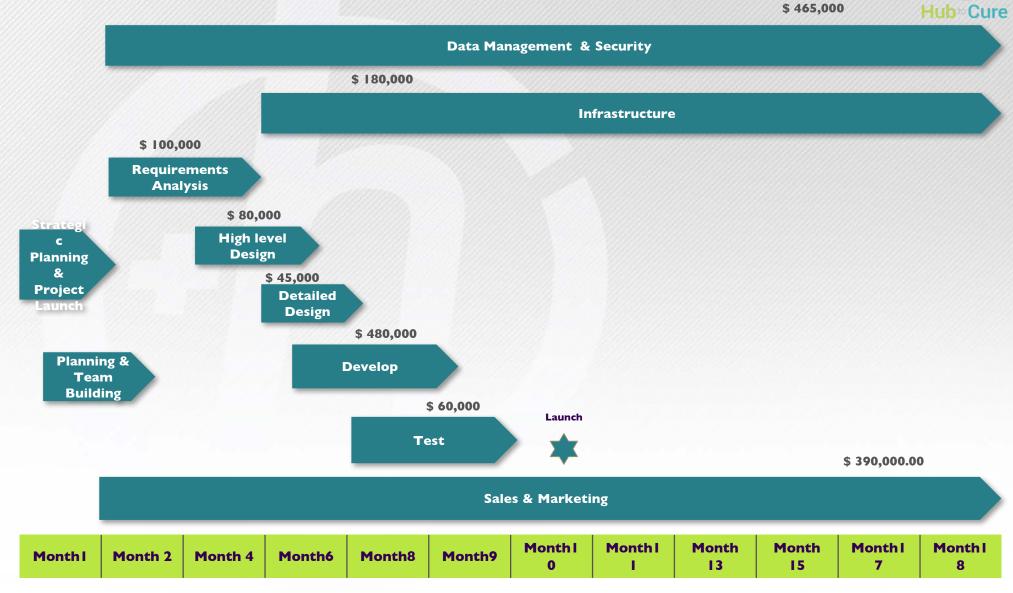
• Short listed based on the estimated prevalence ratio, current physician expertise, market intelligence and industry traction

#### **COST PROJECTIONS – 18 Months**



Start Up Costs (18 months)	FTEs	Labor Costs	
Sales	2	\$	240,000.00
Marketing	1	\$	150,000.00
Software Architect	1	\$	225,000.00
Software Developers	2	\$	300,000.00
UX Developer	1	\$	240,000.00
Infrastructure	1	\$	180,000.00
Data Management	1	\$	225,000.00
Security	1	\$	240,000.00
Total		\$	1,800,000.00

#### **FUNDS UTILIZATION 18 MONTHS**

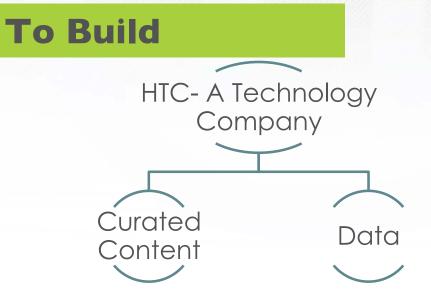


Spread across all the three phases

## PHASE ONE FUNDING



Start Up Costs		
(6 months)	FTEs	Labor Costs
UI Design/Functional Prototype	2	\$90,000.00
Requirements Analysis	2	\$90,000.00
Development	2	\$150,000.00
Testing/QA	1	\$80,000.00
Content Population	2	\$80,000.00
Total		\$490,000.00



#### Which Includes

- Research Publications
- Latest Trends
- PowerPoints
- Webinars
- Data Access
- Data Analytics

# **Competitors**

Company	Туре	
WebMD	Curated Content	
Patients Like Me	Patient to Patient	
SERMO	Physician to Physician	
Hub-to-Cure	Patient-Physician Patient-Patient Physician – Patient Secure Credible Curated Content	
Health Tap	Patient to Physician	