iPill

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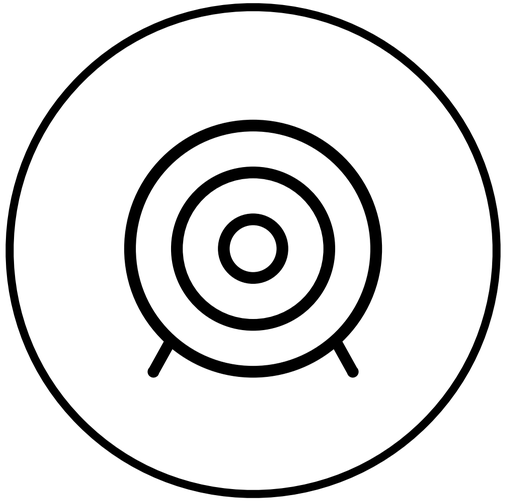
OPIOID CRISIS PAIN POINTS

To minimize stigma, addictions, and disease spread by needle sharing, and diversion

PROBLEM

- UNSECURED PILLS
- ORAL OVERCONSUMPTION
- ADDRESSING SYMPTOMS, NOT CAUSES



PREVENTION

- SAFE PRESCRIPTIONS
- DRUG DISPOSAL REGULATION
- UPSTREAM PREVENTION
- DETECTS BREATHING DEPRESSION
- CALLS 911 FOR LIFE SAVING RESCUE

ACTION

- ALTERNATIVE PAIN THERAPIES
- A SAFER ABUSE DETERRENT OPIOID
- TAPERING HIGH DOSES
- COMMUNITY SUPPORT

OUR SOLUTION

OPIOID DATA SHARING IN BLOCKCHAIN

SECURITY

Anonymous, encrypted, and HIPAA compliant.

SCREENING

Addiction and overdose potential based on patient living status and medical status - patient survey

SHARING

Patient Permissioned with Federal, State and local community data in real-time

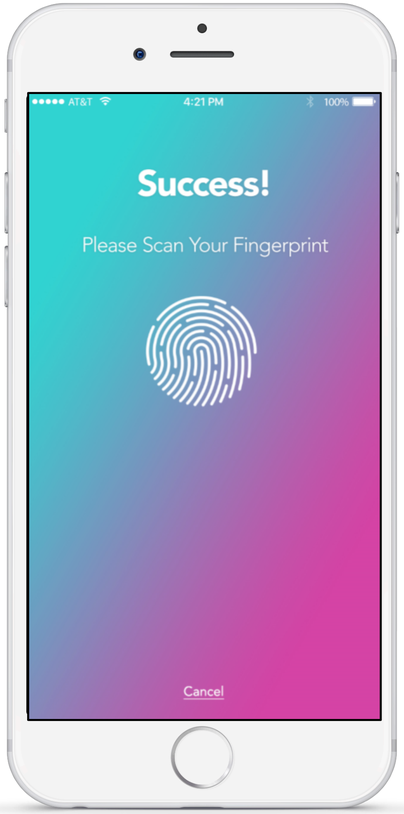
SENTIMENT

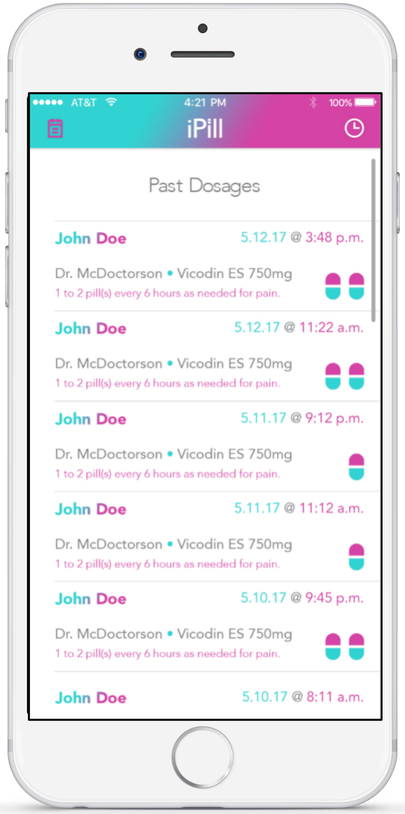
Geo-mood tracking for behavioral analysis

iPILL

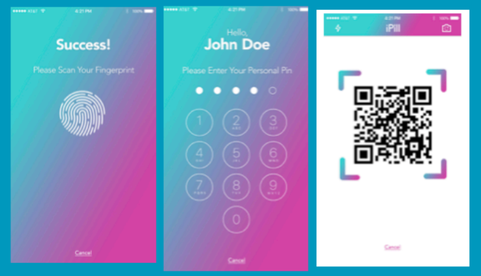
*** Tracking patient usage * Prevents diversion over-usage, respiratory depression & overdoses * Places emergency calls to 911**

*** EMR for patient data access * Physician remote access**





Uses mobile app



4 point biometric authentication: Fingerprint, Personal code, QR Code, IMEI code

To Control

Tamper resistant: Physical and Electronic

Prevents Diversion Ensure Compliance

To Monitor

<u>Monitors</u> respiration and can ring the patient or call emergency services if

Prevents Deaths

To Communicate

<u>Communicates</u> with patient and emergency medical services

Rescue Lives

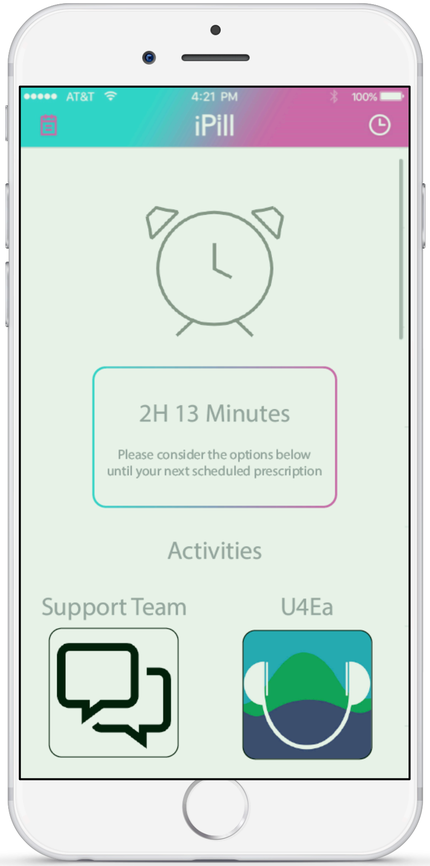
To Document

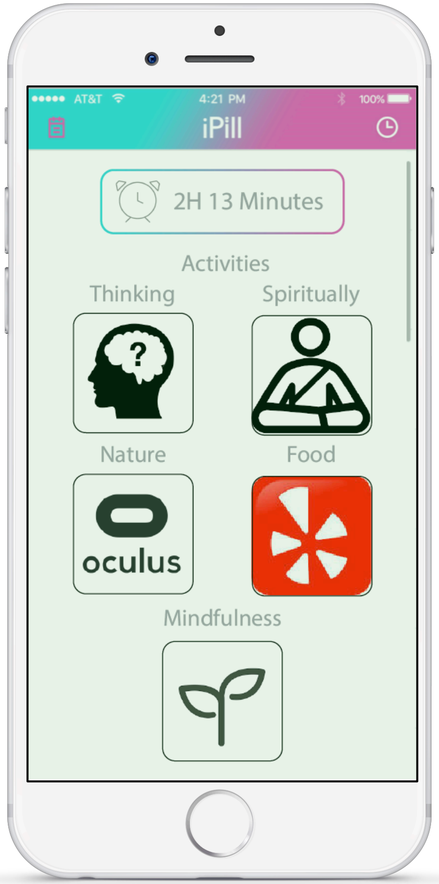
<u>Blockchains</u> patient interactions to electronic medical records

<u>Remote access</u> capability for physician prescription alterations

BEHAVIOR MODIFICATION

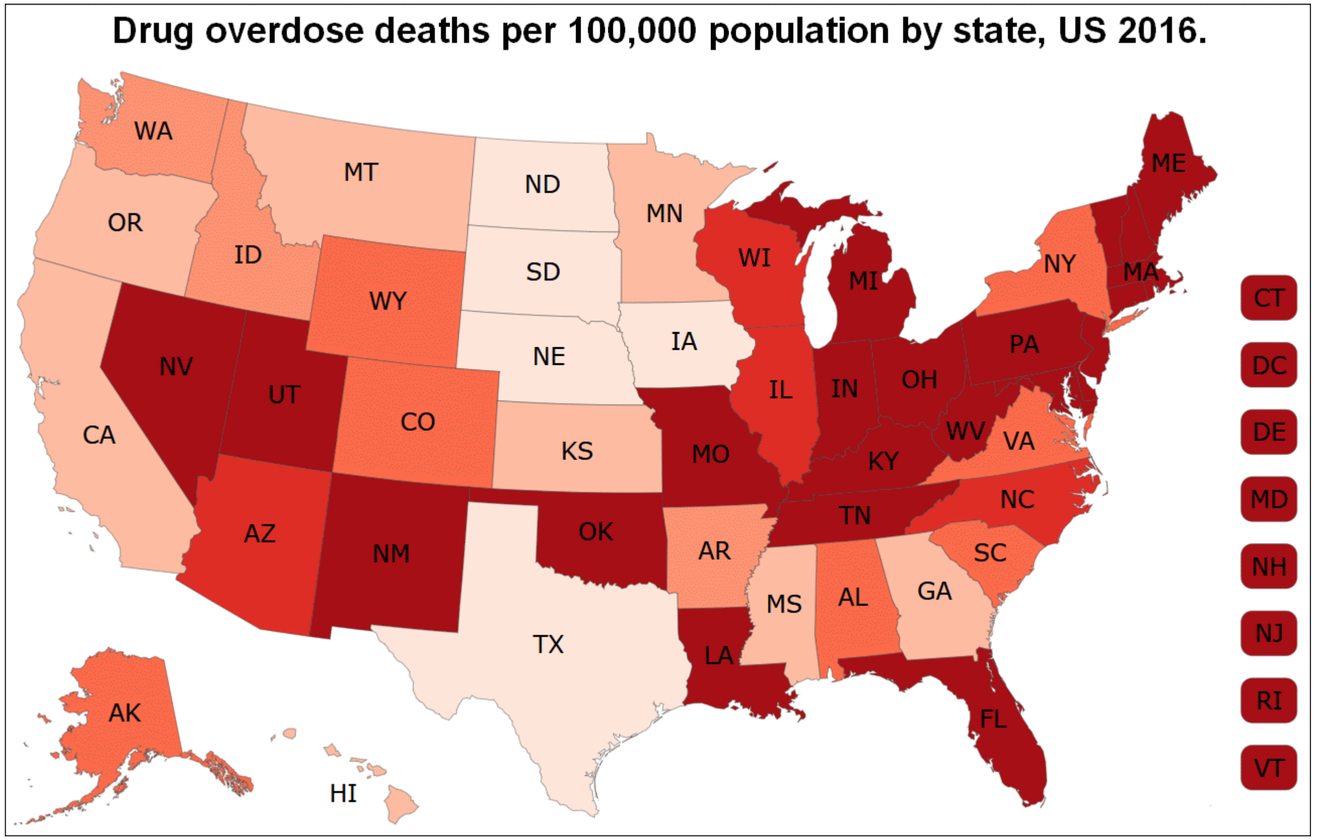
Gathers data to determine nonopioid interventions that can reduce opioid use and shared with stakeholders





By collecting data through a smart phone, iPill's A.I. (Sheri) will empower the patient to pursue more balanced behavior.

USE REAL-TIME DATA ACCESS BY STAKEHOLDERS IN AN ENCRYPTED HIPPA COMPLIANT METHOD NATIONWIDE AT FEDERAL, STATE AND LOCAL LEVELS



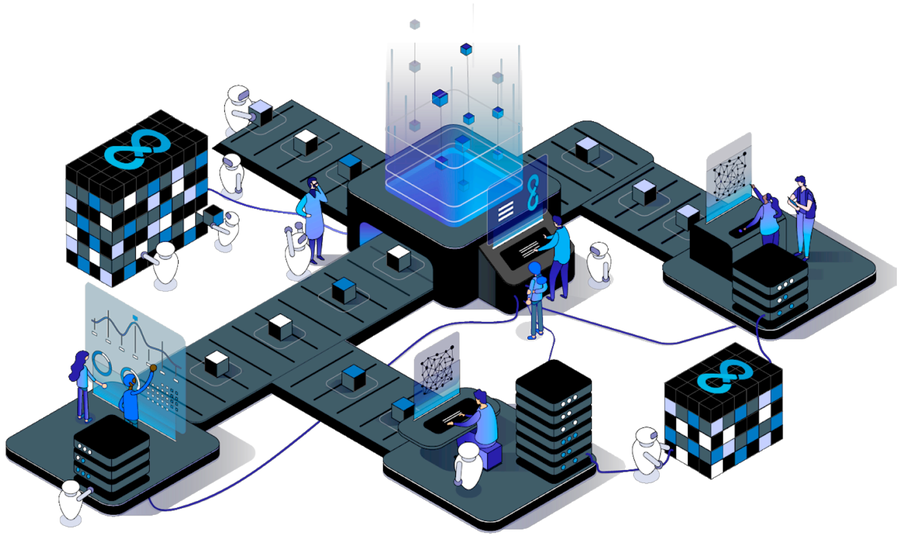
RESULT:

Reduction in 135 lives lost per day and decreasing the $635 Billion yearly loss in productivity and healthcare costs can be achieved by real-time access to data to empower behavioral changes

PURE DATA PROVENANCE

iPill uses blockpoint technology

iPill utilizes the true data provenance provided by blockpoints backend solution to digitalize medical records



IMMUTABILITY

blockpoint's databases provide an infrastructure in which any database can be made immutable, providing truly tamper-proof and credible information.

SECURITY

The blockchain based technology behind blockpoint's MDB protocol enables for cryptographic verification and encryption of everything system.

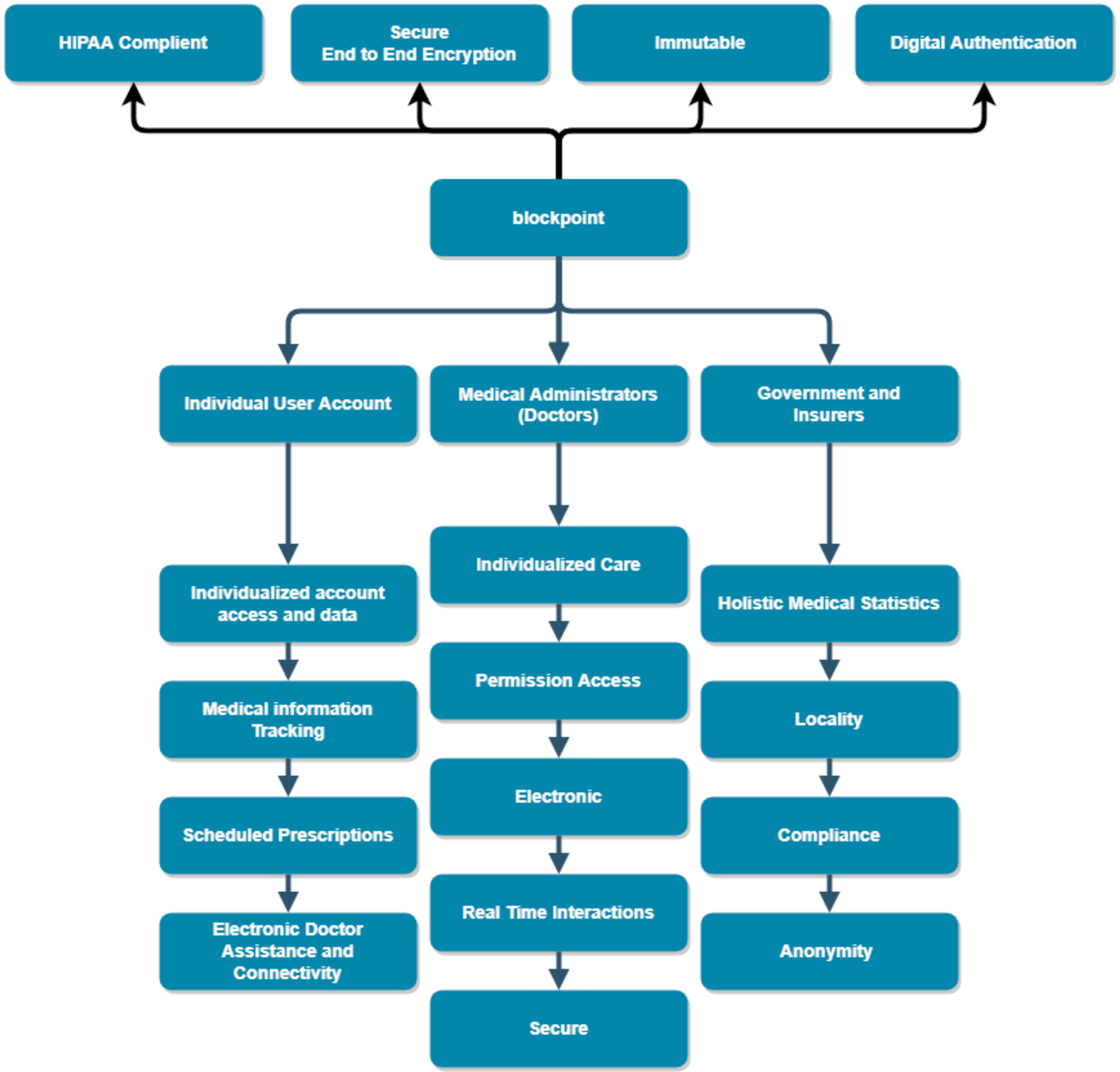
SCALABILITY

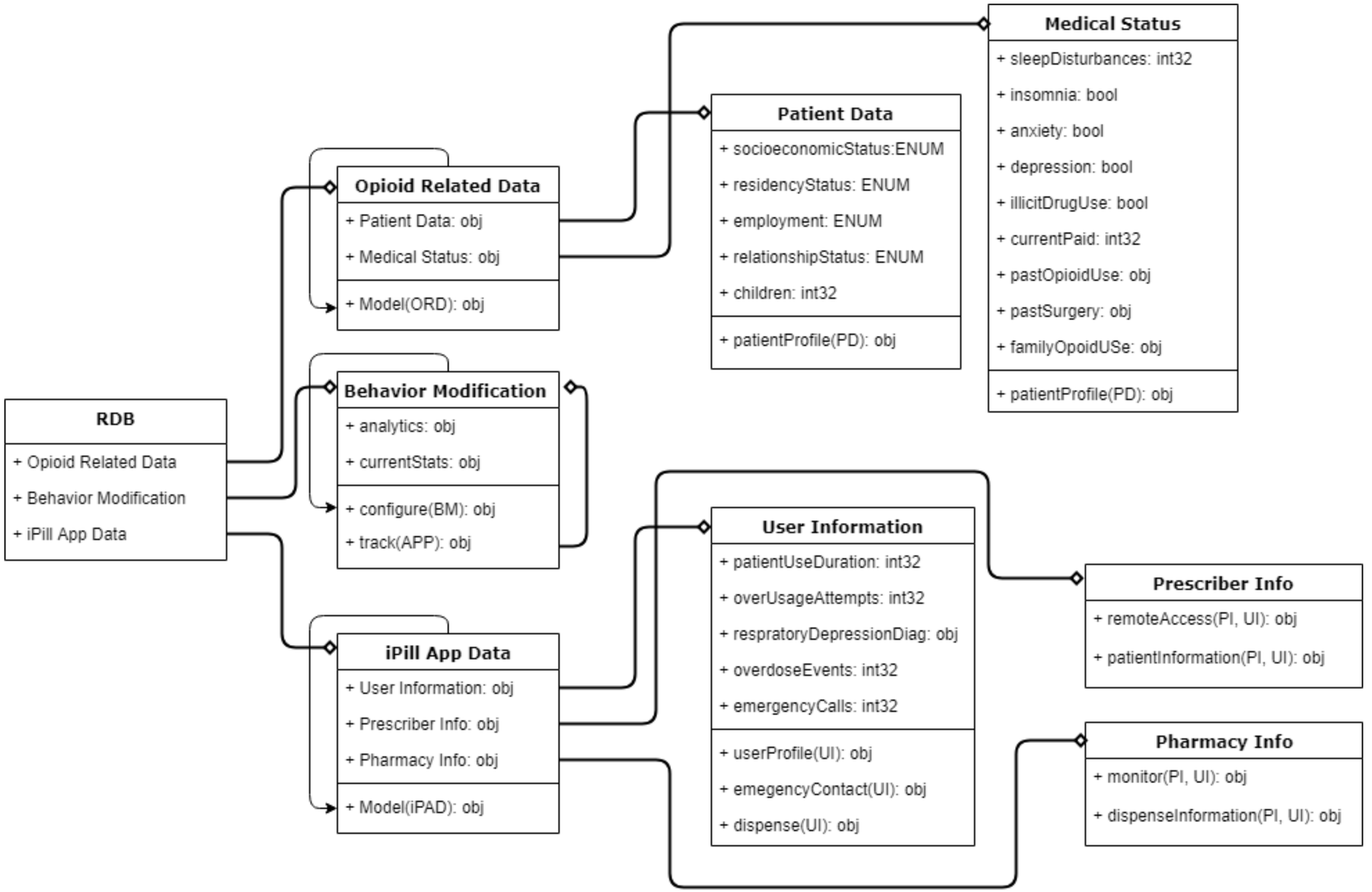
blockpoint's MDB protocol and decentralized architecture enable for effortless horizontal scaling and rolling updates, reducing the expertise required to build scalable solutions.

Powered By:

blockpoint

PERMISSIONED NETWORK MAP




RDB
+ Opioid Related Data
+ Behavior Modification
+ iPill App Data
Opioid Related Data
+ Patient Data: obj
+ Medical Status: obj
+ Model(ORD): obj
Behavior Modification
+ analytics: obj
+ currentStats: obj
+ configure(BM): obj
+ track(APP): obj
iPill App Data
+ User Information: obj
+ Prescriber Info: obj
+ Pharmacy Info: obj
+ Model(iPAD): obj
Patient Data
+ socioeconomicStatus:ENUM
+ residencyStatus: ENUM
+ employment: ENUM
+ relationshipStatus: ENUM
+ children: int32
+ patientProfile(PD): obj
Medical Status
+ sleepDisturbances: int32
+ insomnia: bool
+ anxiety: bool
+ depression: bool
+ illicitDrugUse: bool
+ currentPaid: int32
+ pastOpioidUse: obj
+ pastSurgery: obj
+ familyOpoidUSe: obj
+ patientProfile(PD): obj
User Information
+ patientUseDuration: int32
+ overUsageAttempts: int32
+ respratoryDepressionDiag: obj
+ overdoseEvents: int32
+ emergencyCalls: int32
+ userProfile(UI): obj
+ emegencyContact(UI): obj
+ dispense(UI): obj
Prescriber Info
+ remoteAccess(PI, UI): obj
+ patientInformation(PI, UI): obj
Pharmacy Info
+ monitor(PI, UI): obj
+ dispenseInformation(PI, UI): obj

iPILL IMPLEMENTATION

iPill Mobile

- Free download onto iOS and Android platforms
- Secure data platform
- A.I. support

iPill

- $30/unit manufacturing cost
- Controlled access to prescribed narcotics
- Usage tracking

Wearable

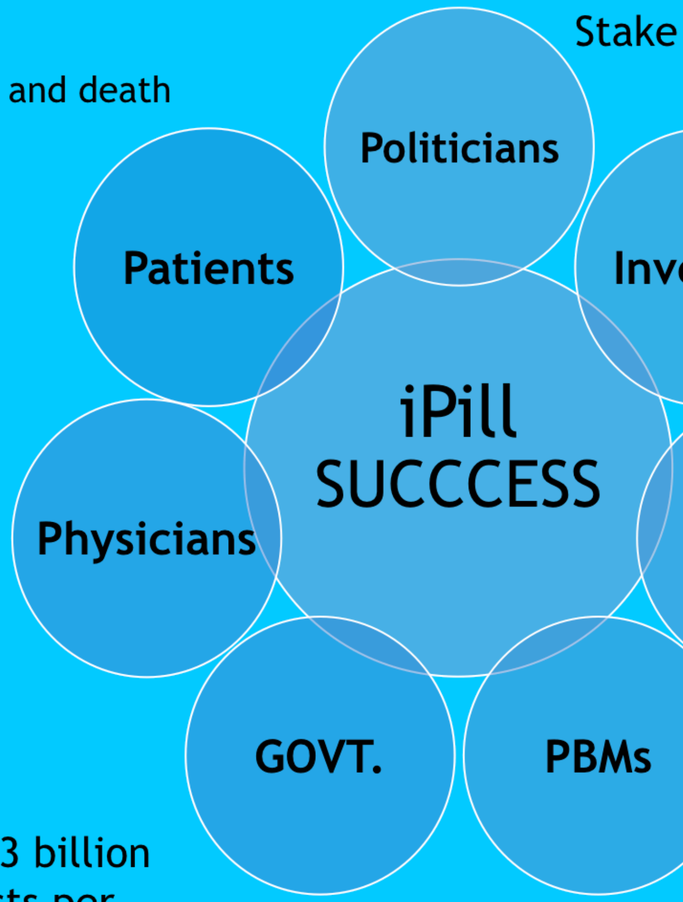
- Prototype respiratory patch
- Non-invasive monitoring using Bluetooth technology

Value proposition

1. **Focuses on the number of preventable incidences of drug-overdose requiring critical intervention or leading to death.**
2. **Average cost of opioid-related ER visit $12,000, hospitalization $28,000 and rehab program $120,000.**
3. **Key partnerships sharing real time data with state and federal government, and industry leading health plans and PBMs.**

ALIGNMENT OF GOALS to SUCCEED

iPill benefits all Stakeholders



Effective pain relief with reduced risk of addiction and death

Stake "claim" that they solved the opioid crisis

Gain entrance to a $9.57 Billion / year market without opioid litigation concerns

Prescribes opioids safer abuse deterrent to patients

Ensured compliance

No loss of medical license, malpractice claims, jail

Make bigger profits on lower cost of care

Decrease of $95.3 billion in healthcare costs per year

Increase sales of a new class of drugs to insurers

Opportunity:

Prototype is complete

$1 million investment for a negotiated equity position

- **Completion of Software development**
- **Assistance in setting up manufacturing parts in Taiwan**
- **Assistance in setting up FDA ISO certified assembly plant in the US**
- **Business Development**

The Right Thought plus the Right People
The Right Environment at the Right Time
For the Right Reason = the Right Result

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