



# Data Driven Justice

Planning and Research in Long Beach

Oct 14 2020



# Outline

1. Beginning - How it all started
2. Groundwork - The process and methodology
3. Justice Lab - Organizational structure and administration
4. Initiatives - Components of execution
5. Outcomes - Success stories

# The Beginning

**January 2017** - Long Beach Mayor Identifies Public Safety as a Priority Item.  
Directs innovation team to work on the priority.

**October 2017** - City of Long Beach joins Data Driven Justice Community

**April 2018** - Arnold Ventures provides grant funding to implement data integration work as well as evaluation of the program

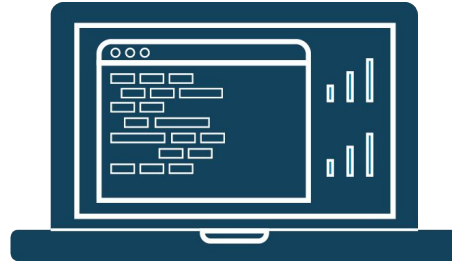


# Groundwork - Human Centered Design



**OBSERVATIONS  
SITE VISITS**

12



**DATA LANDSCAPING  
SYSTEMS**

10



**USER  
INTERVIEWS**

26



**SUBJECT EXPERT  
INTERVIEWS**

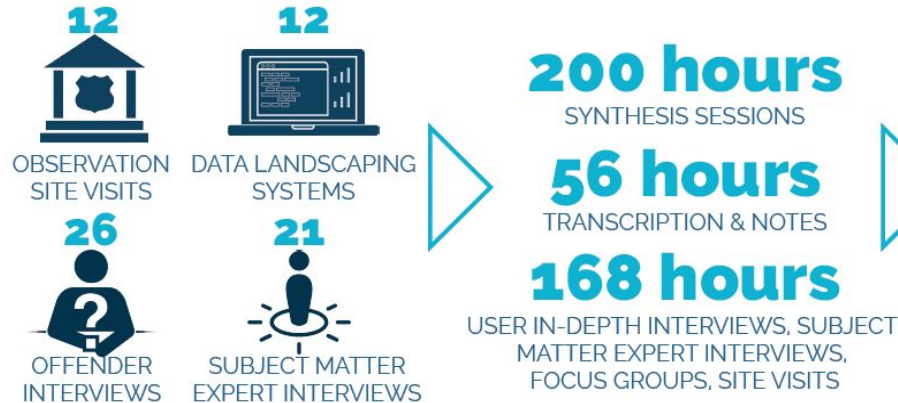
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# Groundwork - Qualitative Research

## LONG BEACH i-team | Public Safety Priority



### QUALITATIVE RESEARCH ANALYSIS



### 6 Research Themes

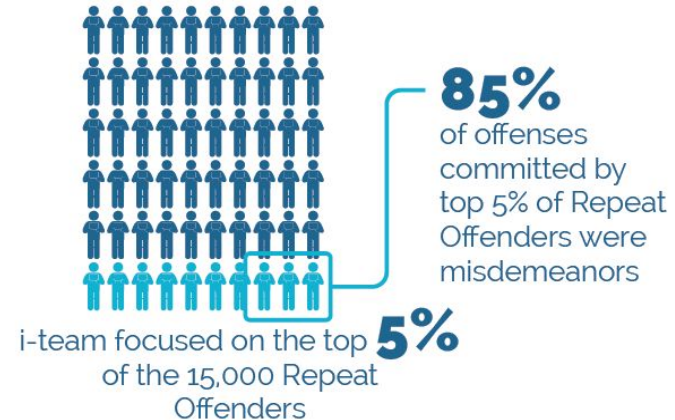
- AFFIRMATION FROM PEOPLE
- LACK OF FAMILY  
SUPPORT FOR YOUTH
- RELATIONSHIPS & SKILLS
- POLICE & COMMUNITY
- STRUCTURE OF  
JUSTICE SYSTEM
- JAIL & PRISON

# Groundwork - Quantitative Analysis

## LONG BEACH i-team | Public Safety Priority



### QUANTITATIVE RESEARCH DATA ANALYSIS



# Groundwork - Synthesis

- Top 5% utilizers ~ 875 residents, who were arrested 11 times or more in the five-year time period.
- 85% of their offenses were misdemeanors. Quality of life charges
  - Intoxicated in public
  - Parks/Beach loitering
  - Possession of paraphernalia
- Most of these residents did not have stable housing: 47% did not have a permanent address
- Nearly half of HFUs were residents experiencing homelessness or struggling with mental health or substance abuse issues.

# Design Objectives

## OBJECTIVE CATEGORY

AFFIRMATION  
FROM PEOPLE

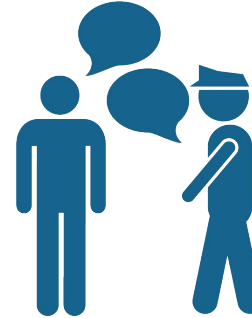
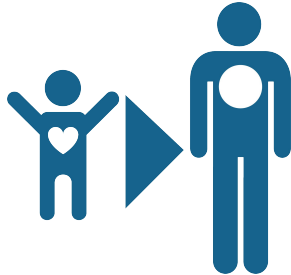
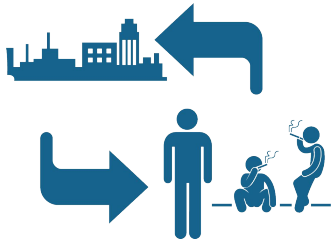
LACK OF FAMILY  
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# Implementation - Spin off Justice Lab



- Initial funding of Justice Lab - **Arnold Ventures**
- Some support from MacArthur Foundation Safety and Justice Challenge.
- Office jointly based in Long Beach Police Department (LBPD) and City Manager (CM) office
  - Project Manager (Placed in LBPD)
  - Technologist/Data Scientist (Placed in CM)
  - Part time research manager (Placed in PD)
  - CSULB Social Work interns (Placed in PD)

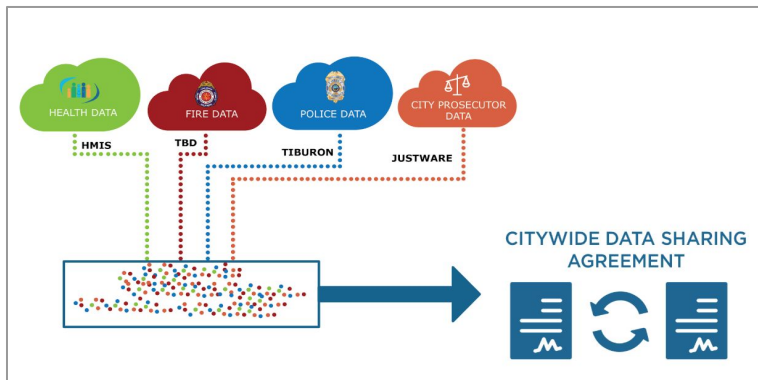
# Implementation - Justice Lab

INITIATIVE	STATUS	DESCRIPTION & UPDATE
 <b>Inter Department Data Sharing Agreement</b>	Implementation	The agreement developed policies and procedures regarding data-sharing among City Departments that enables providers to access information to better serve residents who frequently interact with the justice system and service providers.
 <b>Data Warehouse</b>	Prototype	The goal of this initiative is to successfully bring together multiple data-sets to cross-check information with Police, Health, Fire, the City Prosecutor's Office, and other departments to help coordinate much-needed wrap-around services for residents.
 <b>Multidisciplinary Team (MDT)</b>	Implementation	The MDT convenes City and County departments monthly to better coordinate and reduce the burden on HFUs accessing services. Examples of services include mental health, substance abuse, and homeless services. The MDT framework encompasses a variety of touch points from the street, jail, and pre-trial intercepts.
 <b>Clinician in Jail Pilot</b>	Implementation	The pilot placed a full-time mental health professional in city jail to conduct assessments and provide post-release planning through linkages and referrals to services. The program is now funded by LBPD for fiscal year 2019.
 <b>Priority Access Diversion Program 2.0</b>	Pilot	PAD 2.0 is a pre-trial program through the City Prosecutor's Office. This initiative offers a unique opportunity for residential mental health and substance abuse treatments in lieu of county jail time.
 <b>Government User Integrated Diversion Enhancement System</b>	Prototype	Under development with the City Prosecutor's Office and LBPD, GUIDES will equip first responders with needed information to quickly identify clients and their service connections.



## Administrative Regulation 8-32 on Inter-Department Data Sharing

The Administrative Regulation (AR) 8-32, established the legal mechanism of sharing administrative data among City departments. The Justice Lab implemented the City's regulation by establishing a procedure for departments to extract and share datasets manually from three departments, LBPD, LBFD, and the Long Beach Health departments for analysis.



## Data Governance & Technology

### Data Access & Integration Table

Owner	Description	Agreement	Regularly Available	Data Integrated
LBPD	Arrests citations and jail bookings data, report classification, date, time, arrest type, call type, and location of occurrence	AR 8-32		
LBPD & TGC	Clinician in jail monthly reporting tool, names, Master Name Index (MNI), activity type, referrals, and contact information	3rd Party Agreement		
DHHS	Homeless Management Information System (HMIS) service information used by individuals receiving homeless services at the MSC	AR 8-32		
LBFD	Unit details, call and response type, and contains accounting and billing related to incidents	AR 8-32		
CPO	Justware system, records for stay away order, court date, Priority Access Diversion (PAD) enrollment	AR 8-32		

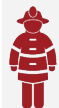
# Multidisciplinary Team - Convening of Partners



**LBPD Specialized Units & City Jail:** The Quality of Life (QOL) team serves as a liaison to connect homeless individuals to services. The Mental Evaluation Team (MET) consists of sworn officers who are partnered with clinicians from LA County Dept. Lastly, the City Support Bureau, Jail Division houses a full-time mental health professional that assess the needs of HFUs and refers them to services.



**The Guidance Center (TGC):** TGC has a long history of providing comprehensive services to the Long Beach community. Through a partnership with LBPD, TGC provides a mental health professional with expertise in treating trauma in the jail.



**LBFD (Fire) HEART:** The Homeless Education And Response Team (HEART) is comprised of four firefighter/paramedics that provide rapid response to people experiencing homelessness.



**Health and Human Services (LB Health):** The Multi-Service Center (MSC) provides services to individuals and families experiencing homelessness. Through the C2C transportation pilot, as of Nov 2019 a Social Worker from the Community Impact Division started conducting in-reach in the City Jail for inmates experiencing homelessness.



**The City Prosecutor's Office (CPO):** CPO provides eligible clients with treatment options in lieu of doing county jail time through their Priority Access Diversion (PAD 2.0) program. Additionally, the CPO will be focused in 2020 building out the Government User Integrate Diversion Enhancement System (GUIDES) application.



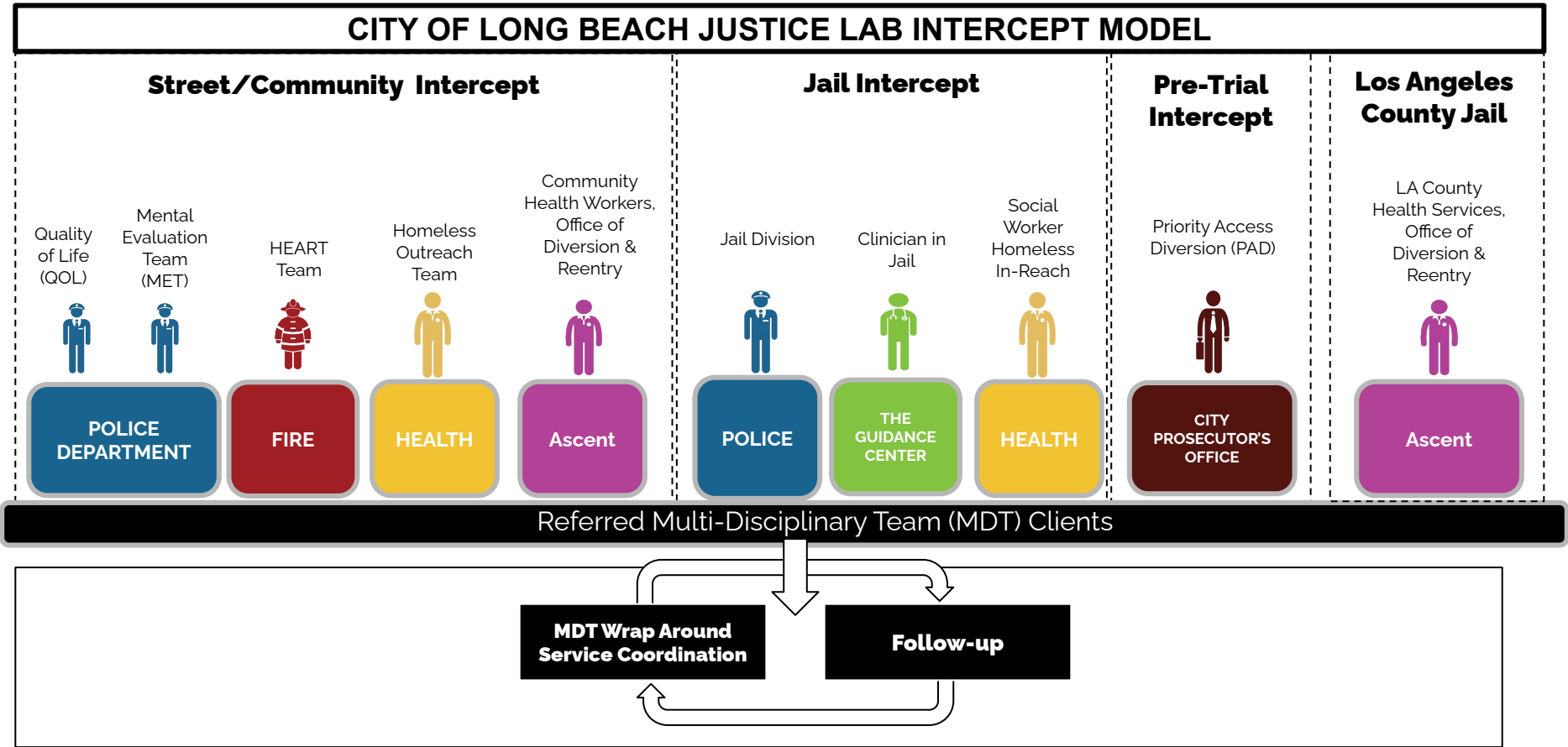
**Ascent, Office of Diversion & Re-entry (ODR):** LA County ODR Whole Person Care (WPC) Program, is implemented by a locally based nonprofit, Ascent, who provides clients being released from City Jail with a Community Health Worker (CHWs) to help navigate the re-entry system.



**Building a Long Beach Reentry Service Network!**

In July of 2019 the **Long Beach Community Action Partners (CAP)**, was created by the Health Department, Ascent, and Brilliant Corners. CAP is an alliance of organizations that have an interest in re-entry efforts to reduce recidivism. These meetings connect service providers and work on three (3) goals annually to reduce recidivism in Long Beach.

# Outcome - Long Beach Intercept Model





## Clinician in Jail Program

The Clinician in Jail program is an innovative initiative created to provide mental health services and resources to inmates. This initiative is a unique partnership with LBPD and The Guidance Center, a local mental health service provider located in Long Beach.

Since April of 2018, a full-time embedded mental health professional has been in the jail to divert individuals away from the criminal justice system who require mental or behavior health support. The Clinician conducts assessments and provides pre-release planning through service referrals.

## A Day in the Life of the Clinician

- The Clinician first identifies individuals in custody who meet the HFU criteria through the City's Client Lookup Tool application.
- The Clinician works directly with jail staff and the medical team to create a list of folks who are in need of special attention but who may not meet the criteria of an HFU
- Once the priority list is created, the Clinician proceeds to assess individuals needs for
- Immediate hospitalization or provides the client with a Pre-release plan, that lays out next steps.
- Plans consist of mental health, substance abuse, and homeless services referrals. Referrals may also go to the City Prosecutor Office for possible diversion opportunities.

## Sequential Intercept Model

To date, the Clinician has had over  
**1,000 interactions**  
and seen  
over **900 unique clients**  
since April 2018.

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Between January - December 2019  
the Clinician has had a total of:

**519** Interactions

**491** Individuals

**174** In-depth  
pre-release plans

**57%** Of individuals met the  
criteria of a HFU

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## Connection to Care (C2C) Transportation Pilot

LBPD and the Health Department teamed up this year to develop and test a transportation pilot for individuals being released from City jail to services. Through the support of a grant received by the MacArthur Foundation Safety and Justice Innovation Challenge, the City launched the Connection to Care (C2C) pilot this past October 2019.

The pilot aims to reduce the re-incarceration of individuals with persistent health challenges and who commit non-violent misdemeanor offenses by better connecting clients to supportive services upon jail release. Through the support of the grant, a Reentry Services Coordinator was fully onboarded November of 2019.

The Coordinator is a Social Worker from the Health Department who works in collaboration with the Clinician in the Jail a few hours a week to identify and do in-reach with persons experiencing homelessness who may be interested in transportation to an overnight shelter and/or services.

7

Rides were  
completed during  
the first two months

100%

Service  
connection!

43%

Of the rides were to  
the Rescue Mission

\$7.00

Is the average cost  
per ride



The Reentry Services Coordinator met with a 71-year-old client in custody. He has been homeless for over 11 years and had never accessed any community resources.

After the initial assessment, the Coordinator contacted the Long Beach Rescue Mission and reserved an emergency bed. The client was transported to their shelter upon release and our MSC City team is continuing to follow-up with case management to ensure ongoing linkage to services.

## Flow Chart of C2C Transportation Coordination

**Goal:** Connect clients who are experiencing homelessness to emergency shelter and ongoing services at the MSC upon jail release.



The Clinician in Jail and/or jail staff provides the Coordinator an in-custody list that identifies persons experiencing homelessness.



Coordinator conducts an initial assessment utilized by staff and provides information and referrals to shelters, case management services, and other homeless service providers.



If the client is released back into the community, the Coordinator reserves a bed at an emergency shelter and arranges transportation upon release. The following morning, the Coordinator will coordinate transportation to the MSC and conduct ongoing follow-up with the assigned case manager.

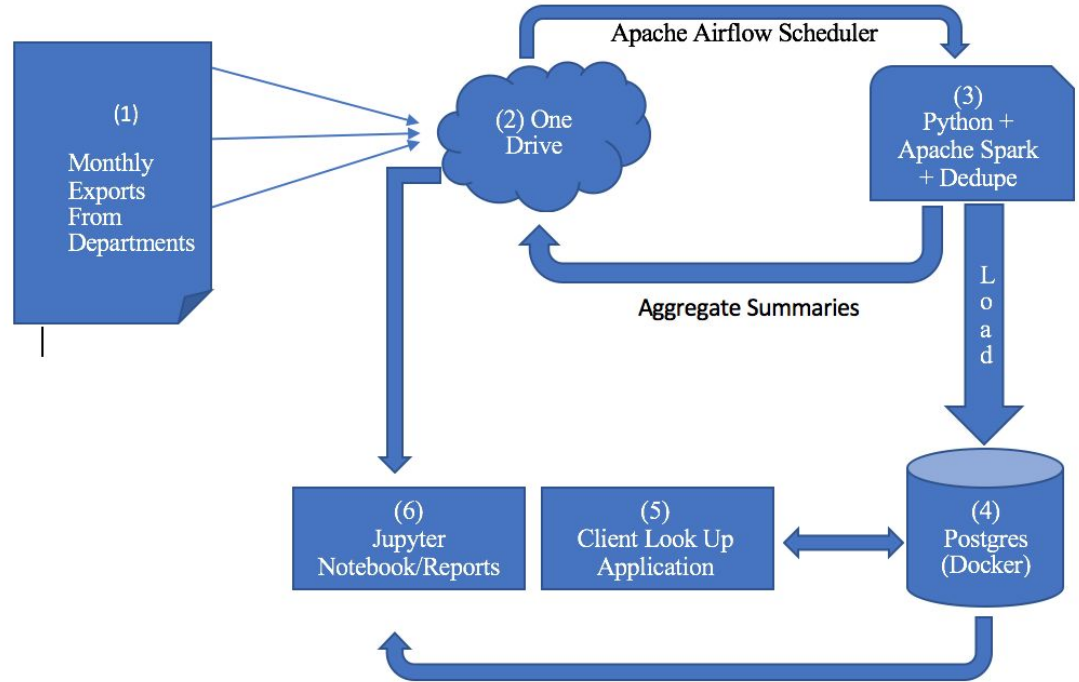


The Coordinator documents connections to care in the Homeless Management Information System (HMIS).

# Outcome - Technology Infrastructure

## Data Analysis:

- Leveraged existing technology available at the City
- Sharepoint with role based access to coordinate data sharing.
- Analysis performed using open source tools apache spark, python, postgres for data storage
- Automation - apache airflow





# Outcome - Client Lookup tool

The screenshot shows a web browser window with the title "Justice Lab - City of Long Beach". The address bar shows "localhost:8000/clients/55778899". The browser's bookmark bar includes "Apps", "MNI", "Tools", "statistics", "dataAnalysis", "python", "web", "Regular Reads", "People", "Training", "Initiatives", "Learning", and "Things".

The application interface features the "JUSTICE LAB" logo in the top left. The main heading is "Justice Lab Client Search". Below it is a text input field labeled "Enter The Client MNI". A blue "Search Client" button is positioned to the right of the input field.

The search results are displayed in the center: "Client Found 55778899" in blue, "Client Is MDT ELIGIBLE" in green, and "Client Has Not Consented to Study Yet - Kindly try to recruit" in orange.

Client details are listed below the status: "FirstName: kay", "LastName: lou", and "BirthDate: Sept. 21, 1969".

The section "0 Past Interactions Found" contains a table with the following structure:

#	Interaction Type	Date of Interaction
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A blue "Add New Interaction" button is located at the bottom of the page.

**Client Lookup Application:** This homegrown tool allows participating MDT case conferencing staff to screen individuals for the intervention and to indicate the consent status for each client. This allows the Justice Lab administrators to keep an immediate running log of all participants via the administration portal. The tool has been in use since May 2019 and has been updated/enhanced based on the feedback received from the users.

## MDT Client Case Study #1

**Recruited:**  
April 2019

**Intercept:**  
City Jail, Clinician

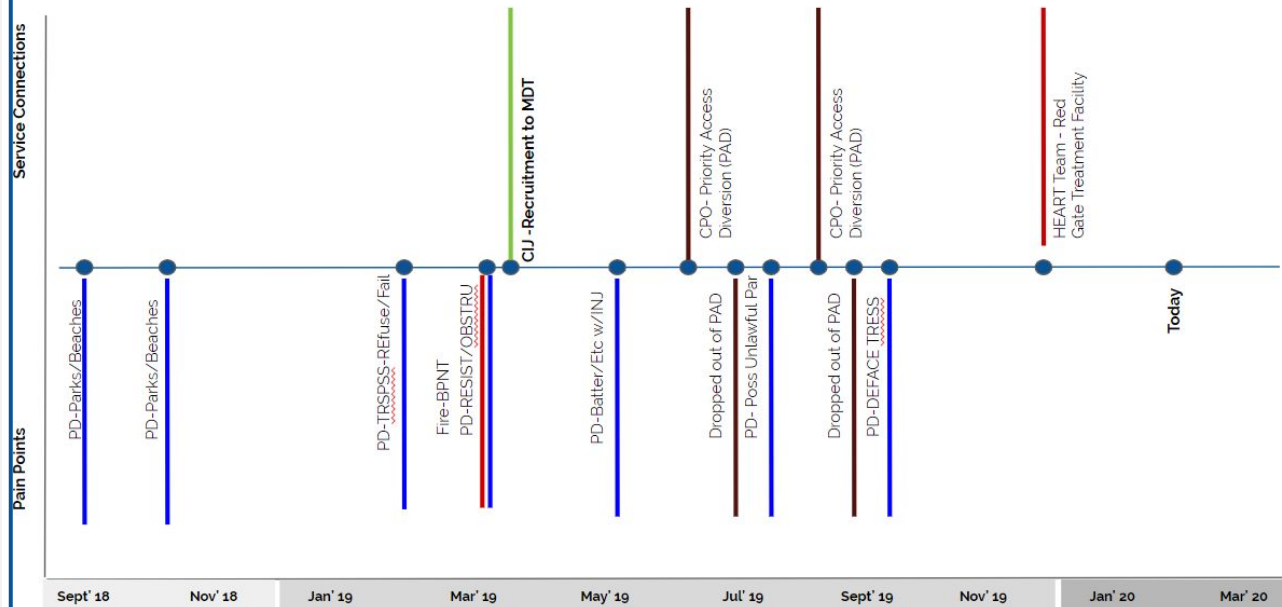
**Interactions & Engagements:**  
LBPD, LB Fire, CIJ, CPO



As one of the recipients of PAD, this client was also recruited as a client for the MDT intervention. The client has been a part of the **PAD program several times** and has **exhausted opportunities** to participate in the residential substance abuse treatment program at **LA-CADA**. After the client completed his sentence at Twin Towers, he stayed temporarily in the **Skid Row area**.

A week before Christmas, HEART made contact during their regular outreach. Client was in a wheelchair and shared that he had broken his ankle. He explained why he hadn't been around the last few months and really wanted to get back into treatment. **HEART** was able to place him at the **Red Gate detox center** in Long Beach.

## Case Study 1#: Timeline of 18-Month Interactions & Engagement



### Service Coordination

Client was eligible and accepted PAD

CIJ engaged recruited client and created a pre-release plan in the jail.

Re-connected to services by the HEART Team to substance abuse treatment

### Challenges

Has had 7 arrests during the 18-month period

Has an injury

Substance Abuse

No established follow up mechanism - No Phone

### Next Steps

MDT case conferencing team facilitator will be following-up with Long Beach Red Gate treatment facility on client's continuous progress.

## MDT Client Case Study #2

**Recruited:**  
2019

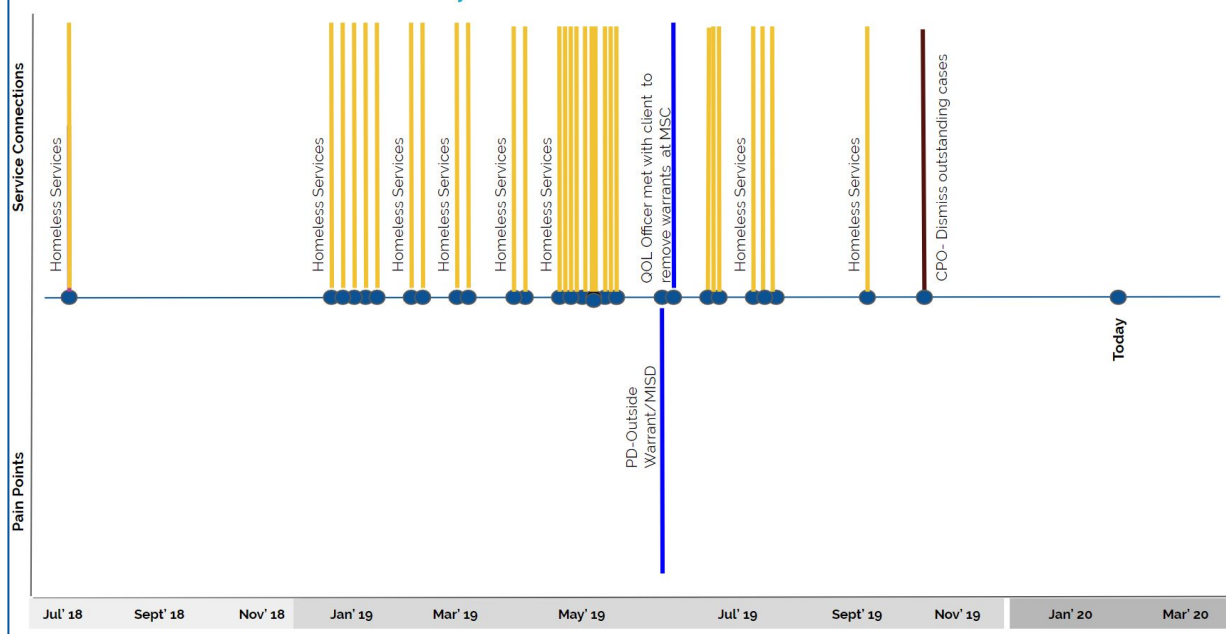
**Intercept:**  
Health- MultiService Center

**Interactions & Engagements:**  
Health MSC, LYPD, CPO



Client has been working with the Homeless Services Outreach Team at the **MSC since 2018** and through the **support of the case conference team**, the client was **successfully housed** in permanent housing through a **subsidized housing choice voucher** issued by the **Long Beach Housing Authority**. The process to getting the client housed including overcoming obstacles such as a failed unit inspection, finding resources for the client's mother, who is also experiencing homelessness, and certifying that client needs animal companion. Additionally, the client had five outstanding court cases that were related to quality of life issues. **The City Prosecutor was able to dismiss all five cases** in Long Beach once the client was permanently housed.

### 18-Month Interactions Timeline for Case Study 2#



### Service Coordination

Section 8 housing coordination.

Inspection of the unit with Housing Authority

Removing bench warrants from the client's record.

### Challenges

Ensuring that the housing voucher did not expired

Finding a unit that accepts pets

Passing the unit inspection

### Next Steps

Ensuring that the client stays housed, This involves: keeping up with monthly payments and renewing the lease.

Periodically checking-in with the client to see if any additional service or support is needed.

# THANK YOU!

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