

# Using the Contingency Management Tracker as both an implementation strategy and an implementation research tool

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**Background and objective:** The implementation of contingency management (CM) in opioid treatment programs (OTPs) is low. Research suggests when CM is implemented, it is implemented with poor adherence. This poster describes the CM Tracker, which was developed to serve the dual purpose of a research tool for standardizing assessment of CM implementation and a strategy to improve adherence.

**Methods:** Project MIMIC is a type 3 hybrid trial testing strategies to help OTPs and their staff implement CM. CM Tracker was designed to collect and manage data specific to the escalating prize-based CM protocol being implemented. By providing simple inputs about CM sessions (see Figure 1), staff receive a user-friendly dashboard (see Figure 2) that provides visual information to support adherent CM implementation with patients. Data can also be easily exported to assess CM implementation.

**Figure 1. Weekly Update**

Patient ID:  **A** Week Number: 1 Start Date:  End Date:

**During the weekly update period...**

**CM Session**

**B** Was a CM Session delivered?  Yes  No

**C** If yes, date of CM Session

**D** If yes, who delivered the CM session?

**E** If no, reason(s) not delivered

**CM Prizes Administered**

**H** How many prize draws were administered this week?

Good Job  Small

Large  Jumbo

**Opioid Drug Screen Results**

Note: If this was a CM orientation session, enter target as "1".

Were the results of an opioid drug screen obtained?  Yes  No

**F** What was the patient's target number of clinical visits?

**G** What was the patient's actual number of clinical visits?

Date opioid drug screen conducted

What were the opioid drug screen results?

**CMRS Items Checklist**

**I** Did you...

- Discuss how many prize draws were earned at this session?  Yes  No
- Discuss how many prize draws would be possible at the next CM session, if the patient meets the agreed-upon attendance target?  Yes  No  N/A (Last planned CM session)
- Administer reinforcement?  Yes  No
- Assess the patient's desire for prizes?  Yes  No
- Compliment/praise the patient's efforts toward meeting the attendance target?  Yes  No
- The attendance and the CM program to abstinence and other treatment goals?  Yes  No

Figure 1 helps populate Figure 2

**Figure 2. Patient Record**

Week #	Week Start Date	Week End Date	Date Weekly Update Provided	Target Visits	Actual Visits	Target Met	Draws Administered	CM Session Delivered	Date of CM Session	CM Counselor Who Delivered Session	Edit Weekly Update	CMRS 1	CMRS 2	CMRS 3	CMRS 4	CMRS 5	CMRS 6	Reason for No CM Session	
1	02-06-2020	02-12-2020	02-24-2020	F	G		H	B	C	D	Edit	I						E	
2	02-13-2020	02-19-2020	02-19-2020	1	1	Yes	1	Yes	02-19-2020		Edit	Yes	Yes	Yes	Yes	Yes	Yes		
3	02-20-2020	02-26-2020	02-26-2020	1	1	Yes	2	Yes	02-26-2020		Edit	Yes	Yes	Yes	Yes	Yes	Yes		
4	02-27-2020	03-04-2020	03-04-2020	1	1	Yes	3	Yes	03-04-2020		Edit	Yes	Yes	Yes	Yes	Yes	Yes		
5	03-05-2020	03-11-2020	03-11-2020	1	1	Yes	4	Yes	03-11-2020		Edit	Yes	Yes	Yes	Yes	Yes	Yes		
6	03-12-2020	03-18-2020	04-01-2020	1	0	No	0	No			Edit							Client was not present for his session.	
7	03-19-2020	03-25-2020	04-01-2020								Edit								
8	03-26-2020	04-01-2020	04-08-2020	1	1	Yes	3	Yes	04-01-2020		Edit	Yes	Yes	Yes	Yes	Yes	Yes		
9	04-02-2020	04-08-2020	04-08-2020	1	1	Yes	4	Yes	04-08-2020		Edit	Yes	Yes	Yes	Yes	Yes	Yes		
10	04-09-2020	04-15-2020	04-29-2020	1	1	Yes	5	Yes	04-15-2020		Edit	Yes	Yes	Yes	Yes	Yes	Yes		
11	04-16-2020	04-22-2020	04-29-2020	1	1	Yes	6	Yes	04-22-2020		Edit	Yes	Yes	Yes	Yes	Yes	Yes		
12	04-23-2020	04-29-2020	04-29-2020	1	1	Yes	7	Yes	04-29-2020		Edit	Yes	Yes	Yes	Yes	Yes	Yes		
13	05-06-2020	05-06-2020	05-06-2020	1	1	Yes	8	Yes	05-06-2020		Edit	Yes	Yes	Yes	Yes	Yes	Yes		
				12	11	91.7%	52	11					100%	100%	100%	100%	100%	100%	

**Results and conclusion:** As of May 17, 2021, 48 CM staff across 17 OTPs have used the project's CM Tracker for documenting CM implementation. Of the project's 345 patient participants, 268 (78%) initiated CM and there have been 1,736 CM sessions implemented. Among patients who initiated CM, the median number of CM sessions implemented per patient was 6 (out of 12 possible sessions). Across OTPs with at least one initiated patient, the average number of CM prize draws per patient was 23.8 and ranged from 3.0 to 44.2. The CM Tracker is an innovative tool that can support adherent implementation while streamlining data collection.