Enhancing quality, accountability, and effectiveness in Addiction Care:

The Measurement-based Practice Model

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GENERAL HOSPITAL

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William Thomson (Lord Kelvin)

Outline

The rationale for measurement-based (MBP) practice

What are "outcomes" and how/when do we measure them?

Some advantages and empirical examples of MPB

Measurement-Assisted Practice System (MAPS[™])

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MBP can be conceptually linked to notion of "Value-Based" Health Care...

- Rewards quality rather than quantity
- Better healthcare at lower costs through evidencebased medicine and treatment
- Critical aspect of assessing value is measurement

VALUE-BASED PROGRAMS



LEGISLATION

ACA: Affordable Care Act

MACRA: the Medicare Access & CHIP Reauthorization Act of 2015 MIPPA: Medicare Improvements for Patients & Providers Act PAMA: Protecting Access to Medicare Act



PROGRAM

APMs: Alternative Payment Models ESRD-QIP: End-Stage Renal Disease Quality Incentive Program HACRP: Hospital-Acquired Condition Reduction Program HRP: Hospital Readmissions Reduction Program HVBP: Hospital Value-Based Purchasing Program MIPS: Merit-Based Incentive Payment System VM: Value Modifier or Physician Value-Based Modifier (PVBM) SNFVBP: Skilled Nursing Facility Value-Based Purchasing Program

SUD Stigma and Discrimination

- SUD is top public health problem in United States
- Yet, SUD continues to be stigmatized adequate insurance coverage for treatment and continuing care remains limited and challenging
- How do we <u>ensure and demonstrate</u> that our SUD treatment system and services have value and are:
 - **Of high quality**? (evidence-based practices? delivered by licensed/qualified staff in dignified, respectful, settings?)
 - Effective? (outcomes?)
 - Accountable? (auditing/convincingly demonstrate health benefits of treatment?)

<u>These (quality, effectiveness, accountability) can all be captured in an MBP</u> <u>model...</u>

Why MBP? Challenges with standard model: "Evidence-based practice"

• Long delays between:

- A. innovative clinical ideas and efficacy, effectiveness, implementation research studies + publication of findings (5-10yrs)
- B. proven effectiveness and adoption, dissemination and implementation of novel treatments in real-world settings
- Generalizability and applicability of research findings conducted under excellent/ideal/optimal conditions with certain specific patient case-mixes
- Most studies do not test moderators of response; if they do, typically only one variable (i.e., two-way interactions), when a 2-3 variable profile is more helpful and informative (e.g., "young women with opioid use disorder", instead of just "gender")

Why MBP? Challenges with standard value based model: "Evidence-based practice"

- Program reports of deployment of "evidence-based practices" ("yeah, we do that") in actuality may not be delivered with sufficient adherence and competence with regard to the original empirically-supported protocols resulting in unknown benefit.
- Systemic inability to ensure programs are implementing "evidence-base" (cf. JCAHO, CARF)
- Cost and effort of dissemination, adoption, and implementation of "evidence-based/empirically supported" interventions even when monitored for fidelity/adherence/competence may not actually result in improved patients' outcomes (e.g., for psychosocial interventions) over treatment as usual (e.g., Morgenstern, Blanchard et al, 2001; Smedslund, Berg, et al, 2011).

Why MBP? Challenges with standard value model: Quality of care at Patient/Clinic-Level

- Lack of patient awareness of progress, and in what ways they're progressing/not progressing during SUD treatment –disservice to patients (cf. HTN, diabetes)
- Lack of clinician awareness of patients' specific status, trends, and patterns, on important clinical variables

 Poor program awareness and knowledge about own clinical effectiveness (e.g., rates of engagement, retention/dropout, response, "success rates") Why MBP? Challenges with standard value model: Patient/Clinic-Level

 Inability to identify which patient sub-groups fail to respond to standard of care -consequently lowering overall program effectiveness

• Limited basis for clinical innovation other than unsystematic hunches; limited ability to measure effectiveness of any innovation

 Instead of clinical innovators driving clinical progress there is passivity, perceived impotence, even resentment- forced to deliver external "evidence-base/what the research shows") that may not result in improved patient outcomes

Other Health Care example of MBP: Cystic Fibrosis

- Cystic Fibrosis Foundation (CFF) has detailed data from all clinics (k=117) nationally for past 50yrs.... How come?
- Not because "more enlightened" but because physician (LeRoy Mathews), in 1960s Cleveland was claiming a 2% mortality rate (national was 20%+; most dead by age 3yrs)
- In 1964, CFF gave UMN pediatrician Warren Warwick \$10,000 to collect reports on every patient treated at the 31 CF centers in US—to test Matthews's claim.
- Mdn age at death for patients in Matthews's center = age 21!! 7x older than patients treated elsewhere.
- He was found to be trying new procedures based on cumulative aspects of the disease; brought in other international treatment perspectives...
- By 1970s, 95% of patients living past 18th birthday
- His model soon became national standard

Source: The Bell Curve, Gwande, A. 2004

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"Outcomes"

• What is the "success rate" of your program?

• What is the "outcome" we're interested in?

• How/when should we measure outcomes?



Why are treatments of addiction & hypertension evaluated differently?



The successful treatment of hypertension is seen as an ongoing process. The successful treatment of addiction is seen as something that begins after treatment stops.



We are treating a chronic illness; clinical course of SUD and

achievement of stable remission can take a long time ...



detection through screening in nonspecialty settings like primary care/ED

Challenges in programs' post-treatment "Outcomes" measurement...

- Three Cs
 - Cost to do longer-term post-treatment follow up well ensure high/representative follow-up is expensive, proper measures, analyses
 - Case-mix "success rates" need to be adjusted/related to severity/prognosis demographics of clientele
 - Credibility will anybody believe me if I report my outcomes/suspect bias?



This book reveals the 3-step holistic program to total recovery that is the basis of the miraculous success of the Passages substance abuse treatment center.

Chris Prentiss proves that alcohol and drugs are not the problems. They are merely the substances people choose to help themselves cope with their real problems.

The Alcoholism & Addiction Cure shows how you can create a personalized treatment program to beal the underlying causes of your dependency, end your relapse

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"The Cure for Alcoholism is offering readers something that's never been offered before ... A REAL CURE. This book will change the face of alcoholism and rock the rehab industry." —Arnold Lazarus, Professor Emeritus, Rutgers

The Cure for Alcoholism

DRINK YOUR WAY SOBER

WITHOUT WILLPOWER,

ABSTINENCE OR

DISCOMFORT

Roy Eskapa, PhD

Foreword by David Sinclair, PhD

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Solution = Measurement-based Practice

- Contemporaneous measurement, summarization, and graphic representation of brief, psychometrically validated, patientreported, clinical variables (outcomes), that have concurrent and predictive real-world utility and validity in assessing patients' progress <u>during treatment and continuing care</u> for SUD ("addiction vital signs")
- Use measures that have <u>clinical utility</u> and that are <u>important to</u> <u>patients</u>, <u>providers</u>, <u>programs</u>, <u>payors</u>
- Encourages within and between-program feedback and comparison; random audit (e.g., JCAHO-like auditing)

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MBP advantages

- Enhanced patient awareness of current status, trends, and patterns, on clinically relevant intermediate/ultimate outcomes (e.g., craving, days of use, pain)
- Enhanced clinician awareness of patients' status, trends, and patterns (etc.) that can highlight off-course cases early and raise consciousness and allow adjustments to course and intensify of treatment
- Enhanced program awareness of program's effectiveness in engagement, retention, clinical response to delivered care through continuous data aggregation
- Enhanced ability to detect patient sub-groups failing to respond to standard of care lowering overall program effectiveness

MBP advantages

- Enhanced awareness of poor patient response for patient sub-groups facilitates immediate development, testing and evaluation of <u>clinical innovations NOW</u> to meet needs of vulnerable populations (i.e., constant QI)
- Clinic/program-level data comparison across collaborating centers and systems can allow identification of over-performing programs (as well as under-performing programs)
- System-wide MBP can allow for continual identification of the most effective programs/practices and clinical innovations that have real-world ecological validity removing barriers of "research to practice" lags and translation
- Identify where <u>exactly</u> in the treatment causal therapeutic chain the treatment fails and thus enhance theories of SUD-related behavior change identifying the mobilizers, mechanisms, and moderators of such change...

Model for Testing Treatment Theories & Purported Mechanisms

 Possible to evaluate tx models (e.g., 12-step, cognitivebehavioral) by investigating extent to which presumed underlying mechanisms/proximal outcomes, in a particular tx model/theory, are met and relate to long-term outcomes.

 By specifying and testing linkages in the tx process chain, one can find out where, if anywhere, the process breaks down, identify the specific type of failure involved and make targeted improvements (Suchman, 1965; Finney, 1995).

Model for Testing Treatment Theories & Purported Mechanisms



Adapted from: Finney, J.W. (1995) Enhancing Substance Abuse Treatment Evaluations: Examining Mediators and Moderators of Treatment Effects. <u>Journal of Substance Abuse</u>, 7, 135-150.

MBP examples

- Michael Lambert (0Q45)
- Tom McLellan (Concurrent Recovery Monitoring "Recovery Track")
- Scott Miller (Feedback Informed Treatment FIT)

Beyond Measures and Monitoring: Realizing the Potential of Feedback-Informed Treatment

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Routine Outcome Monitoring (ROM)

- Evidence suggests the process may:
 - Double the effect size of treatment and increase the proportion of clients with reliable and clinically significant change;
 - Cut dropout rates in half
 - Reduce the risk of deterioration by one third
 - Shorten the length of treatment by two thirds
 - Drive down the cost of care
- Though there is currently limited research in this area, the existing evidence highlights the importance of a therapist's commitment to using and incorporating the feedback into their practice in a meaningful and self-reflective manner.

Beyond Measures and Monitoring: Realizing the Potential of Feedback-Informed Treatment

Scott D. Miller, Mark A. Hubble, Daryl Chow, and Jason Seidel International Center for Clinical Excellence, Chicago, Illinois

More than a dozen randomized controlled trials and several meta-analyses have provided strong empirical support for routine outcome monitoring (ROM) in clinical practice. Despite current enthusiasm, advances in implementation, and the growing belief among some proponents and policymakers that ROM represents a major revolution in the practice of psychotherapy, other research has suggested that the focus on measurement and monitoring is in danger of missing the point. Any clinical tool or technology is only as good as the therapist who uses it. Failing to attend to the therapist's contribution, the long neglected variable in psychotherapy outcome, ensures that efforts to create, research, and refine new outcome measurement systems will inevitably fall short. Research from the field of expertise and expert performance provides guidance for realizing the full potential of ROM.

EFFECTS OF USING ASSESSMENT INSTRUMENTS ON SUBSTANCE-ABUSE OUTPATIENTS' ADHERENCE TO TREATMENT

SAMPLE

Baseline participants(n=280) were randomized into either intentionto-treat (n=116; control n=111) or per-protocol (n=100; control n=111) treatment groups. Participants were individuals with multiple substance use disorders who were a part of one of the five outpatient drug treatment centers in Belgium.

METHOD

The experimental group were informed about the intervention and of subsequent assessments plus feedback that would happen after each session. Assessments were given with the Readiness to Change Questionnaire (RCQ) and the Personal Resources Diagnostic System (PREDI). In the control group, individuals received

Individuals in the experiment group which included assessment with direct feedback had increased adherence to treatment at and beyond eight sessions as well as at and beyond twelve sessions.

The Effect of Using Assessment Instruments on Substance-abuse Outpatients' Adherence to Treatment: a Multi-centre Randomised Controlled Trial

Veerle Raes^{1*}, Cor AJ De Jong², Dirk De Bacquer³, Eric Broekaert⁴ and Jan De Maeseneer⁵

Abstract

Background: Drop-out is an important problem in the treatment of substance use disorder. The focus of this study was to investigate the effectiveness of within treatment assessment with feedback directly to patients with multiple substance use disorder on outpatient individual treatment adherence. Feedback consisted of personal resources' and readiness to change status and progress that facilitate or hinder change, thereby using graphical representation.

Methods: Informed consent was obtained from both the control and experimental groups to be involved in research and follow-up. Following Zelen's single consent design, baseline participants (n = 280) were randomised (sample-size-estimation: 80%power, p=.05, 2-sided) and treatment consent was obtained from those allocated to the experiment (n = 142). In both groups, equal numbers of patients did not attend sessions after allocation. So, 227 persons were analyzed according to intention-to-treat analysis (ITT: experiment n = 116;control n = 111). Excluding refusals 211 participants remained for per-protocol analysis (PP: experiment n = 100; control n = 111), The study was conducted in five outpatient treatment-centres of a large network (De Sleutel) in Belgium. Participants were people with multiple substance use disorder -abuse and dependence- who had asked for treatment and who had been advised to start individual treatment after a standardised admission assessment with

y Index.

isisted of informing the patient about the intervention and of subsequent wing a protocol within the first seven sessions. Assessments were made with the naire and the Personal Resources Diagnostic System. The control group received the treatment assessment with feedback. The most important outcome measure in this vel of adherence to treatment at and beyond eight sessions.

at included assessment with feedback increased adherence to treatment at and 3,95%Cl:1.2-2.2). Benefit was also found at and beyond twelve sessions, which was d to complete 90% of the assessments with feedback in practice (BR = 1.6,95%

feedback in routine practice improved adherence to treatment. More research is social functioning and motivation to change in outpatient treatment of substance ective measures

EFFECTS OF ASSESSMENTS ON ADHERENCE TO TREATMENT

In both conditions (intention-to-treat and per-protocol group), individual treatment where assessment and direct feedback were given improved adherence to treatment at or beyond eight sessions.

sessions in intention-to-t		> = 12 sessions
	> = 0 363310113	> = 12 363310113
Intention-to-treat (n = 227)		
experimental	53.4%	33.6%
control	(34.2%)	(20.7%)
Risk ratio (RR)	1.6	16
95%CI	1.2-2.1	1.0-2.5
Per-protocol (n = 211)		
experimental	56.0%	36.0%
control	34.2%	20.7%
Risk ratio (RR)	1.6	1.7
95%CI	1.2-2.2	1.1-2.7

Table 3 Adherence at and beyond eight and twelve sessions in intention-to-treat and per-protocol analysis

EFFECTS OF INDIVIDUAL PATIENT-LEVEL FEEDBACK IN OUTPATIENT TREATMENT PROGRAMS

SAMPIF

Patients (n=304), Clinicians (n=38) had patients complete assessments.

METHOD

During Phase I, administered self-report questionnaires(OQ-45) to track patient progress in tx. During Phase II, same patients given OQ-45, and the clinicians received immediate feedback. In the case the patient was "off-track", the clinician was able to use clinical support tools to suggest improvements OUTCOMES

For patients who were "off-track", feedback to counselors led to superior treatment outcomes compared to no feedback. The effects of feedback were evident on general psychiatric symptoms and alcohol and drug use.



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A Preliminary Study of the Effects of Individual Patient-Level Feedback in Outpatient Substance Abuse Treatment Programs

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Abstract

The purpose of the current study is to examine the effects of feedback provided to counselors on the outcomes of patients treated at community-based substance abuse treatment programs. A version of the Outcome Questionnaire (OQ-45), adapted to include drug and alcohol use, was administered to patients (N=304) in three substance abuse treatment clinics. Phase I of the study consisted only of administration of the assessment instruments. Phase II consisted of providing feedback reports to counselors based on the adapted OQ-45 at every treatment session up to session 12. Patients who were found to not be progressing at an expectable rate (i.e., "off-track") were administered a questionnaire that was used as a second feedback report for counselors. For off-track patients, feedback compared to no feedback led to significant linear reductions in alcohol use throughout treatment and also in OQ-45 total scores and drug use from the point of the second feedback instrument to session 12. The effect for improving mental health functioning was evident at only one of the three clinics. These results suggest that a feedback system adapted to the treatment of substance use problems is a promising approach that should be tested in a larger randomized trial.

THE EFFECTS OF FEEDBACK ON OFF-TRACK PATIENTS



RECONSIDERING THE EVALUATION OF ADDICTION

During treatment, measure at beginning of sessions to evaluate progress and make care decisions ... shows potential for timely and clinically relevant and accountable evaluation ("concurrent recovery monitoring" (CRM).

CRM data allow clinicians better sense of patients' recovery process and customize tx plans for each patients.

HORIZONS REVIEW

Reconsidering the evaluation of addiction treatment: from retrospective follow-up to concurrent recovery monitoring

A. Thomas McLellan^{1,2}, James R. McKay^{1,2}, Robert Forman^{1,2}, John Cacciola^{1,2} & Jack Kemp³ Treatment Research Institute¹, Department of Psychiatry, University of Pennsylvania² and Delaware Department of Substance Abuse and Mental Health, Delaware, USA³

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Submitted 29 January 2004; initial review completed 5 April 2004; final version accepted 19 July 2004

ABSTRACT

Historically, addiction treatments have been delivered and evaluated under an acute-care format. Fixed amounts or durations of treatment have been provided and their effects evaluated 6-12 months after completion of care. The explicit expectation of treatment has been enduring reductions in substance use, improved personal health and social function, generally referred to as 'recovery'. In contrast, treatments for chronic illnesses such as diabetes, hypertension and asthma have been provided for indeterminate periods and their effects evaluated during the course of those treatments. Here the expectations are for most of the same results, but only during the course of continuing care and monitoring. The many similarities between addiction and mainstream chronic illnesses stand in contrast to the differences in the ways addiction is conceptualized. treated and evaluated. This paper builds upon established methods of duringtreatment evaluation developed for the treatment of other chronic illnesses and suggests a parallel evaluation system for out-patient, continuing-care forms of addiction treatment. The suggested system retains traditional patient-level, behavioral outcome measures of recovery, but suggests that these outcomes should be collected and reported immediately and regularly by clinicians at the beginning of addiction treatment sessions, as a way of evaluating recovery progress and making decisions about continuing care. We refer to this paradigm as 'concurrent recovery monitoring' and discuss its potential for producing more timely, efficient, clinically relevant and accountable evaluations.

KEYWORDS Addiction, monitoring, outcomes, recovery, treatment.

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Measurement Assisted Practice System

Quality

Accountability Effectiveness Empowerment

MEASUREMENT ASSISTED PRACTICE SYSTEM (MAPS)[™]





Abstinence self-efficacy

Engagement/Retention

Recovery Motivation

Frequency bothered Mental health symptoms


PATIENT MEASURES

MEASURED CONSTRUCTS	INTAKE (BASELINE)	FOLLOW UP (WEEKLY)
DEMOGRAPHICS	✓	
MEDICAL HISTORY	\checkmark	
NEEDLE USE/OVERDOSE	\checkmark	\checkmark
SUBSTANCE USE & RELATED FUNCTIONING	\checkmark	\checkmark
MEDICATION HISTORY & COMPLIANCE	\checkmark	\checkmark
MENTAL HEALTH SYMPTOMS & RELATED FUNCTIONING	\checkmark	\checkmark
ABSTINENCE SELF-EFFICACY & BEHAVIORAL INTENTION	\checkmark	\checkmark
ADDICTION SEVERITY	\checkmark	
CRAVING & PAIN	\checkmark	\checkmark
RECOVERY MOTIVATION	\checkmark	



MAPS Overview

Patient Access

- Patients have access to their unique, auto-generated survey via Tablet (HIPAA Compliant)
- Patients not able to resubmit survey or see additional information Administrative Access
 - Administrators have access to set up Patients, add/edit clinics, appointments, and set up Patient surveys
 - Clinicians have access to see aggregate reports of all their Patients
 - Directors have access to see aggregate reports of all Patients and by staff
 - System has access to see aggregate reports of programs

Patient Survey Access

- When Patient arrives, Administrator easily configures tablet to auto-generate unique survey for Patient to complete prior to appointment.
- There are 2 survey types:
 - Intake this is an intensive initial survey completed at the onset of the program
 - Follow Up this is a short survey intended to be taken at each follow up appointment

MASUREMENT ASSISTED PRACTICE SYSTEM
Tablet Sign In
Appointment ID
Patient Last Name
DOB - mm/dd/yyyy
Survey Type
Start Survey

Patient Survey Access

- Once tablet is set up for patient, Administrator hands patient tablet for survey completion
- Patient completes survey and returns tablet to staff.

Note: Patient may not click 'back' button after survey submission, nor has access to any other part of the system

Patient Follow Up Survey The following questions refer to the last 7 days									
		past weel arijuana, c			did you g	o withou	t using an	У	
	0	○ 1	○ 2	○ 3	○ 4	○ 5	0 6	○7	
		past weel r most of			did you g	et drunk	at all or w	vere	
	0 0	○ 1	○ 2	3	○ 4	0 5	0 6	○ 7	
m	ore self-h	past weel lelp group for your a	meeting	s (such a	s AA, NA,			or 0 7	
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	0 0	01	○ 2	3	○ 4	05	○ 6	07	
	rina the	past weel	k, on how	/ many da	iys did yo	u take pr	escriptior behaviora	ı	

Dashboard

- Successful login redirects user to the Administrative Dashboard
- Left navigation menu displays links to pages and reports
- Chiclet factoids show system overview stats

MAPS - Measurement Assis	ted Practice System			Hi, Super Admin 🛛 🚢 🔻
Dashboard				
Patients	6		2	30
& Clinicians	Patients	Clinicians	Clinics	Appointments
& Staff	View Patients O	View Clinicians O	View Clinics O	View Appointments O
& Directors				
Clinics	6		24	Surveys
Appointments	Staff	Directors	Users	
Lill Reports <	View Staff O	View Directors O	View Users O	View Surveys
System Setup				

Left Navigation

Dashboard

- Patients
- Clinicians
- 🛃 Staff
- Directors
- Clinics

Appointments

<

<

III Reports

🗲 System Setup

Displays links to everything in the system

- Dashboard links to the admin homepage
- Patients Links to patients admin
- Clinicians Links to clinicians admin
- Staff Links to staff admin
- Directors Links to directors admin
- Clinics Links to clinics admin
- Appointments Links to appt setup
- Reports Links to real-time reporting
- System Setup Links to survey admin

Patients Administration

Patients



screen to:

- Add new patients
- Edit existing patients
- Remove patients

		Add New Patient
Patients		
Patient Name	Clinician	
Test, Test	Doctor, Zhivago	
Regan, Max	Doctor, Doctor	
Regan, Copper	Happy, Gilmore	
Regan, Erin	Happy, Gilmore	
Regan, Caitlin	Doctor, Doctor	
Regan, Devon	Happy, Gilmore	

Clinicians Administration

Patients

Clinicians

Directors

Clinics

III Reports

Appointments

🖌 System Setup

& Staff



Hi, Super Admin 🛛 💄 🔻

Use this screen to: ^{® Dashboard}

- Add new clinicians
- Edit existing clinicians
- Remove clinicians

		Add New Clinicia
Clinician		
Name	Clinic	
Dummy, Test	ARMS	0
Zhivago, Doctor	ARMS	0
Gilmore, Happy	West End Clinic	0
Name, Clinician	ARMS	0
Doctor, Doctor	ARMS	

Staff Administration

Use this screen to:

- Add new staff
- Edit existing staff
- Remove staff

MAPS - Measurement A	Assisted Practice System	Hi, Super Admin	4 •
B Dashboard	Staff		
Patients			
& Clinicians		Add New S	Staff
& Staff	Staff		
B Directors	Name		
Clinics	Staff Staff		
Appointments		0	
Lui Reports	Test, Staff	0	
System Setup		0	
	Kelly, Nate Kelly	0	
	Regan, Haley	0	

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Directors Administration

Use this screen to:

- Add new directors
- Edit existing directors
- Remove directors



Clinics Administration

Use this screen to:

- Add new clinics
- Edit existing clinics
- Remove clinics

MAPS - Measurement Assi	sted Practice System		Hi, Super Admin 🛛 👗 🔻
B Dashboard	Clinics		
Patients			
& Clinicians			Add New Clinic
& Staff	Clinics		
& Directors	Clinic	Address	
Clinics	ARMS	151 Merrimac Street	
Appointments		Boston, Massachusetts 02114 (617) 643-4699	
LIII Reports	< West End Clinic	16 Blossom Street	
✗ System Setup	<	Boston, Massachusetts 02114 (617) 724-7792	
@ 2016 MARS - Massurament Ass	isted Prestice System		

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B Dashboard		Appointr	nents					
Patients								
& Clinicians							A	dd New Appointment
& Staff		March 2016				Prev Today Nex	xt >> Year Mo	nth Week Day
& Directors						nouay No.		and week Day
Clinics		Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Appointments						- ····		
III Reports	<			1	2 Caltlin Regan 3 Erin Regan	4	5	
🗲 System Setup	<							
		6	7	8	9	10	11	12
		13	14	15	16	17	18	19
		20	21	22	23	24	25	26
		Max Regan	28	29	30	31		

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How It Works



Tablet Sign In

Appointment ID

Patient Last Name

DOB - mm/dd/yyyy

Survey Type

Start Survey



MAPS Types of Questions that can be answered with a few clicks of a mouse....

- How many patients have we seen since the start of the year/last year/last quarter?
- What proportion of patients completed at least 2 weeks of treatment/completed treatment in 2016? Did this improve since 2015? What is the trend in the past 5 years?
- What is our change in outcomes of abstinence/MH sxs/intoxication freq/craving/pain scores for our patients for past X yrs? Do men and women differ? Do young women with opioid use disorder do worse? How about young men? (etc. etc.)
- What is the degree of medication compliance for patients entering our program during the first month of treatment? Is this an improvement over 2015?
- Are we reducing IV drug use? To what degree?
- To what degree is our innovative treatment addressing young mothers improving engagement and retention/clinical outcomes?

Individual Percent Days Abstinent

1. During the past week, how many days did you go without using any alcohol, marijuana, or other drugs?



Individual Self-Efficacy



Mutual-Help Comparisons By Gender

4. During the past week, on how many days have you attended one or more self-help group meetings (such as AA, NA, CA or SMART Recovery) for your alcohol or drug use?



Percent Days Abstinent Comparison By Gender

1. During the past week, how many days did you go without using any alcohol, marijuana, or other drugs?



Reports

Analysis and Comparisons....

- By Patient
- By age
- By Gender
- By primary substance
- By time
- By psychiatric dx
- Any combinations
- Dynamic temporal resolution of graphic displays
- Filter by Question
- Filter by Chart Type (Bar or Line)





Thank you!







MAPS[™]

Measurement Assisted Practice System

Quality Accountability Effectiveness

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Email: jkelly11@mgh.harvard.edu