EVIDENCE BASED OUTCOMES USING TECHNOLOGY

Can Treatment Plan Adherence Correlate With Better Clinical Outcomes?

Can better patient outcomes correlate with better practice outcomes?













Types Of Clinics Evaluated

- Activator
- CBP/Pettibon (spinal correction)
- Diversified
- Gonstead
- Upper cervical
- Hi & low volume
 Insurance
- Personal injury
- Medical/chiropractic

What kind of practices do you have? How should we measure?

5

• Exam findings (what kind is best?)

- Functional movement score
- Insight subluxation station
- Questionnaire score (Oswestry LBP, Neck NDI, Roland-Morris LBP, VAS)
- X-ray findings

We Needed A Standardized Approach For All Types Of Providers

7

Which Method Will Doctors In Practice Agree On?

A. Exam findings

- B. Functional movement score
- C. Insight subluxation station
- D. Questionnaire score (Oswestry LBP, Neck NDI, Roland-Morris LBP, VAS)
- E. X-ray findings
- F. None of the above



What standardized measure can we measure with TrackStat?

10

A. 5-Star reviews

- B. New Patients
- C. Show % / Kept Apt %
- D. PVA (what should this be?)
- E. Revenue
- F. Ur....



How Is Your Treatment Plan Adherence

Skillset				4	5	6	7		19.1	Score
Organization of treatment protocols		protocols in your i iem organized wh im knows your pla	ere your		fed your treatme ant your patients	nt protocols and to complete	plans you wan	tified the treatment t your patients to nows what protoc support you	complete. Your	
Team and patient know the recommendation and any modifications	recommendatio changes need to be	n needs to know w ns are, and any tre communicated. 1 s on symptom cha	atment The patient	You have a write team can access	an treatment pla . The patient re- exam as needed	elves a progress	about your patie result, your patient	nd provider team ent's treatment an jent understands d there is a re-eva	d progress. As a how progress is	
Admin team has a method of tracking	Your method is bar	ed on verbal com ter the visit	munication	search every pa	scoess to a write tient manually to their next visit is	determine when	where the patie	am has a daily or nts are in their tre a not have a future	atment and who	
Progress measurement	Your progress in feedbac	a measured by sub k from the patient	ojective	You have object	tive or question	naire measures		ctive or question ppropriate modific necessary		
Periodic new patient audits	determine which	y look at your sche patients stopped v progress exams			ss is measured I back from the pr		30-60 days o outcome discharge/refer-	eam periodically in if new patients to s. Did they stop b out, MMI, or patie coming without a	determine the ecause of int self-discharge	
									Total	

13

Chat GPTs Answer to Treatment Plan Adherence

GPT = Generative Pre-trained Transformer (GPT)

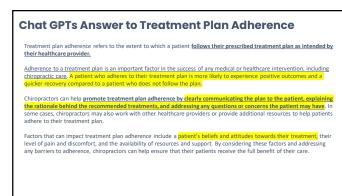
Created by Open AI - Sam Altman, Elon Musk, Peter Thiel and others

Generative AI is software that can generate new content, rather than using preexisting content

GPT 1, 2, 3, 4.0 have different levels of processing transformers

1 processed data sequentially, like one word at a time in a sentence and it could only process a sentence at a time vs paragraphs like they do in GPT3

GPT4 Turbo Further advancements have led to even more sophisticated understanding and generation capabilities, enabling the model to produce more nuanced and contextually appropriate responses



Incomplete treatment plans = incomplete work

- A patient who adheres to their treatment plan is more likely to experience positive outcomes compared to a patient who does not follow the plan.
 Clearly communicating the plan to the patient, explaining the rationale behind the recommended treatments, and addressing any questions or concerns the patient may have





16

Survey

How many track their patients until they complete their recommended treatment plan (doesn't mean prepay)

17

Survey

How many know what percentage finish their treatment plans?

Survey

Would the odds of a desired outcome for the patient increase if they completed their treatment recommendations?

19

Recommendations?

Insidious onset of low back pain
Acute 6/10 pain scale
WNL neurological and myotome

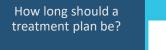
• Mild-moderate spondylosis

• Patient has localized pain with

movement and sleeping.Goal: golfing 2-3x/wk



20



• 12 weeks to build muscle • What is the minimal amount of time we should see patients?



Recommendations?

- 1992 Mercy documents (DC, MD, PhD) found 3x/wk for 4 wks and 1-3x/wk for 4-8 weeks
- 16, 20 to 36 visits
- Dose-response for chiropractic care of chronic low back pain. *Spine* J. 2004
- Dose-response and efficacy of spinal manipulation for care of chronic low back pain: a randomized controlled trial. Spine J. 2014



22

Evidence is recommending 8 to 12 weeks of care...

why are we ending it early?

23

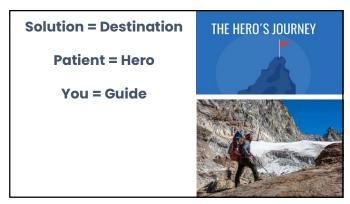
Survey:

What percent complete 8 to 12 weeks of care?

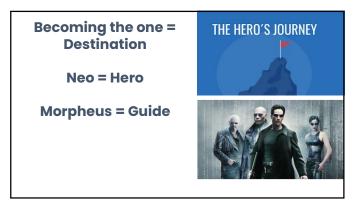
Stopping Short Leads To Reoccurrence Of Back Pain

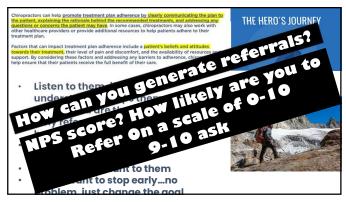
25

Your Patients Came To You For A Solution









How Many Of You Became A Chiropractor Because Of An Impactful Experience As A Patient?

31

Would You Be Willing To Work Harder To Ensure More Patients Have That Experience?

Can't Make An Impact If You Don't Finish The Job

What Do I Track If My Patients Want A Fix?

34

Treatment Plan (progress & compliance)

- You can't track compliance if they don't have an appointment
- It's easy for you and your staff to lose track of patients
- A second set of eyes from your staff can help you provide evidence-based plans
 (assuming your plan is documented)

Frequency		Total Visits	Remaining Visits	Scheduled Visits	Unscheduled ⑦ Visits	Last Visit	Next Visit	3 Weeks Ago	2 Weeks Ago	Last Week	Current
2x/wk	*	10	8	4	4	06/22/2022	06/24/2022	0	0	0	2
2x/wk	*	12	n	3	8	06/20/2022	06/27/2022	0	0	1	1





Prepare For The Day (pre-shift)



37

Preparing for the day improves patient satisfaction





Preparing allows you to serve more people in less time with a higher satisfaction rate

40

Why Re-exams/Progress

- Check status, progress, change treatment plan
 Deal with treatment plan
- compliance issues
 What was their goal? Do they still want it? You are the
- sherpa, but they still have to climb the mountain
- Re-explain treatment rational
- Exercises rational





41

Team Meetings

- Hospitals have a team meeting to
 discuss patient treatment
- Does your team know what your plans are? (how does your team know of your changes?)
- Does the patient know what your plans are?
- Is it written down?
- How is progress measured?
- If progress is not as expected, how does the team adjust to a new plan of care?



Patient Audits

43

Pick 30-60 Day Period

•	Look at all new patients and
	determine what happened to
	them
•	Did they complete their plan?

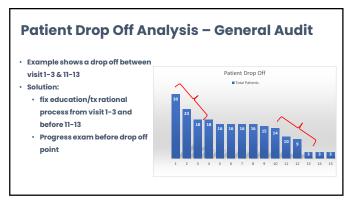
Did they stop on their own?

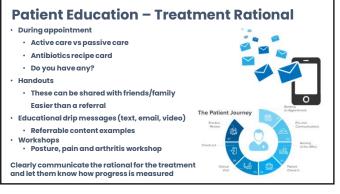
Did they stop on their own:
 Did you end their care?

Did you refer out?

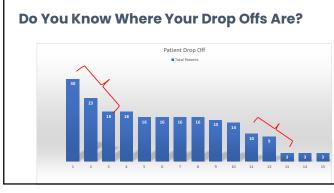
• Etc

nts and	Last Name	First Name	First wind Date	Lest Visit Date	Next Visit Date	Total Visite	Appen.
penedto						503	
penedito	Zaland	Alvera	01/25/2023	10/28/2621		2	3
eir plan?	Considere	Analasia	0125/2021	84/18/2021			ĩ
r own?	Considere	August	ouncourt.	BACENDO.			
e?							
	Minta	Notan	01/22/2021	05/25/2022		43	1
	Adams	Chetsea	01/26/2021	01/26/2021		1	٥
	Alterworth	Cener	01/20/2021	93202621		ĩ	0











Maintain Evidence Based Treatments-Cancelled, Missed Appointment and No Future Appointment Tracking

- Signs and symptoms of non-compliance
- Symptoms disappear long before functional

improvement

Action Steps

- Have a list of cancelled & missed & no call/no-shows
- Track how many are rescheduled
- Treatment plan patients with no future
 appointment



Okay To Discharge/Refer Out or Co-Treat or Continue with Preventative Care

- If you can't help them, refer them out or co-treat
- Who do you co-treat with?
- You should end the treatment if you can't
- help them and won't co-treatOkay to continue with preventative care



49

Who Is Responsible For Adherence

50

Patient Provider Front Desk

Patient must trust the provider is the right solution

52

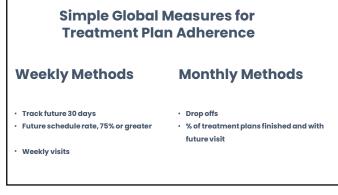
Provider must set expectations and deliver results

53

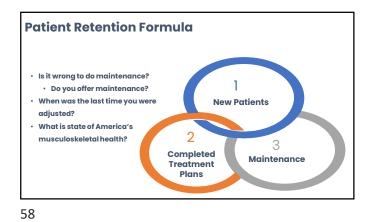
Front Desk Administer Orders & Manage Appointments

How Do You Measure Success?

55



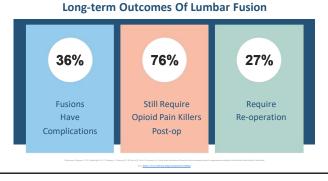






STATS ON MODERN MEDICINEThe U.S. has 5% of the world's population
and consumes 65% of the
worlds medicinal drugs.And yet the US ranks...
36th in life expectancy.U.S. HAS TRIPLE THE DEATH RATE FOR HEART DISEASE
WHEN COMPARED TO JAPAN OR FRANCE.









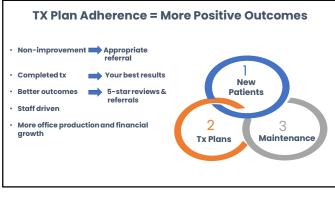




Indirect costs (lost productivity, etc)
MSD cases require 38% more lost time

days than the average injury/illness.







Organization of treatment you don't have there organized where your support team knows your plans you want your patient you want your you	its to complete support team knows what protocols are and can
Very support team pands to know what your	support you
Team and patient know to the recommendation and any modifications are and any treatment changes need to be communicated. The patient earn an area of the communicated and the patient earn an area of the patient earn and the patient earn an area of the patient earn area of the patient earn area of the patient earn an area of the patient earn area of the patient earn an area of the patient earn area of the patient ear	eceives a progress about your patient's treatment and progress. As a
Admin team has a method of tracking Your method is based on verbal communication after the visit The team has access to a was search every satest maxuals bein rest visit	to determine when where the patients are in their treatment and who
Progress measurement Your progress is measured by subjective You have objective or quests	You have objective or questionnaire measures and make appropriate modifications when necessary
Periodic new patient determine which patients sopped with care. Your progress is measure Achoc progress exams Your progress is measure feedback from the	
	Total



