



Lean on Me: A case study on using lean principles in an outpatient mental health setting

Joshua Carlson, MSW, LCSW Clinical Supervisor- Family Solutions

Lean Collaborative

- Teaching Lean principles
- Area not for profit business
- Aimed at capacity building
 - Better use of limited resources
 - Community learning environment



Lean Collaborative

- Tracy Family Foundation
- Blessing Health System
- John Wood Community College
- 5 Participating organizations









Lean Collaborative

- TFF Funded the project
- Blessing Health Systemprovided the trainers
- John Wood Community College provided space
- 5 Participating organizations







Chaddock Team

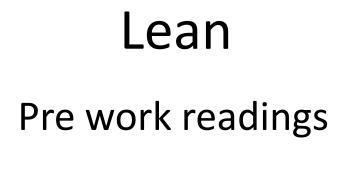
- Vice President of Operations
- Associate Director of Quality Assurance
- Associate Director of Finance
- Clinical Supervisor of Family Solutions
- Clinical supervisor of Foster and Adoption Services
- Goal- Improve productivity levels at Family Solutions

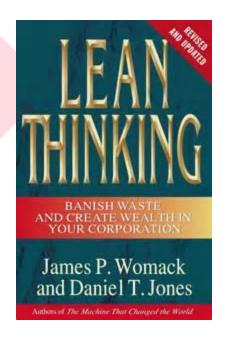
Family Solutions

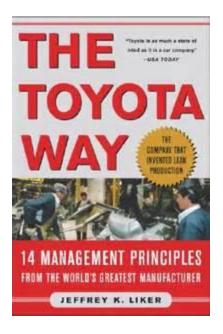
- Chaddock- social services agency in Quincy, IL.
- Family Solutions outpatient program
 - 2 full and 2 part time therapists, 1
 AA, and one supervisor
 - 130 clients
 - Providing onsite and offsite services
- Fee for services, Medicaid, EHR

Family Solutions

- Choosing our project-
 - Participation in leadership academy
 - Improving systems at Family
 Solutions
 - Increase productivity
 - Become self sustaining





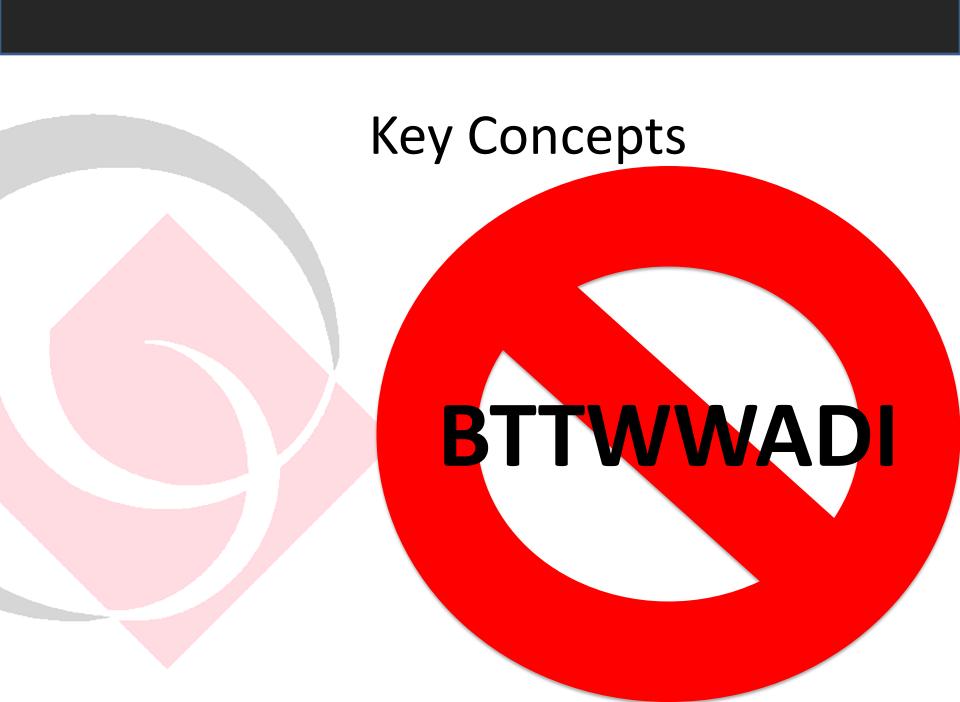


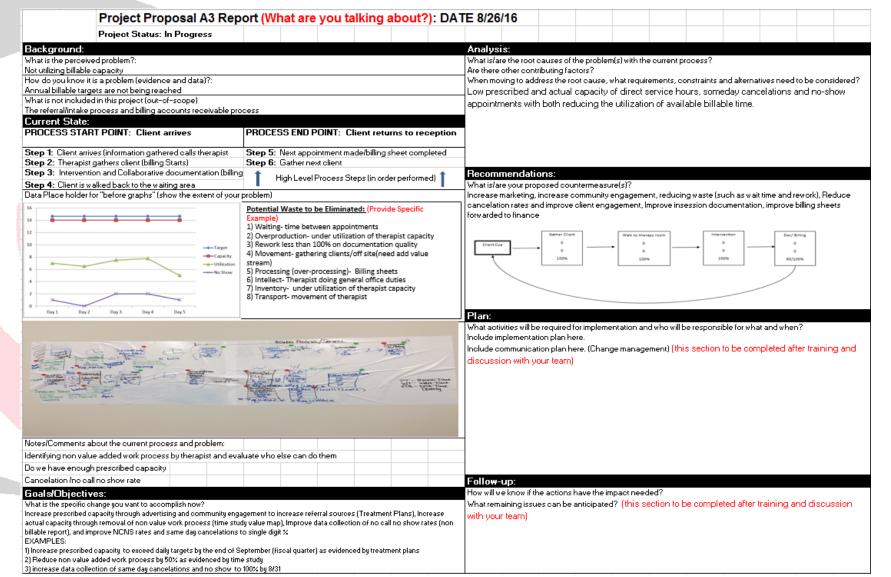
Lean

Lean Six Sigma



Lean is a methodology to implement systematic process improvement





A3

Background:

What is the perceived problem?:

Not utilizing billable capacity

How do you know it is a problem (evidence and data)?:

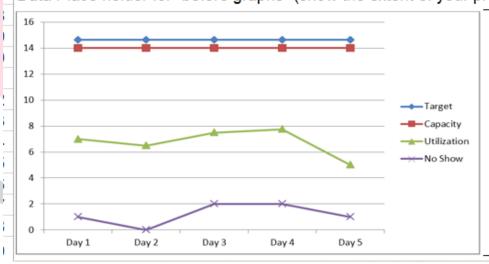
Annual billable targets are not being reached

What is not included in this project (out-of-scope)

The referral/intake process and billing accounts receivable process

The referral/intake process and pilling accounts receivable process

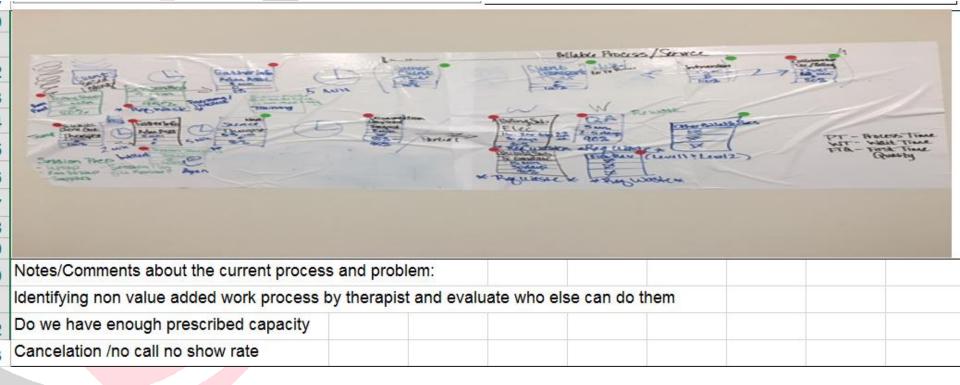
1	Current State:						
	PROCESS START POINT: Client arrives	PROCESS END POINT: Client returns to reception					
1							
-	Step 1: Client arrives (information gathered calls therapist	Step 5: Next appointment made/billing sheet completed					
	Step 2: Therapist gathers client (billing Starts)	Step 6: Gather next client					
-	Step 3: Intervention and Collaborative documentation (billing en	High Level Process Steps (in order performed)					
;	Step 4: Client is walked back to the waiting area	riigii zeveri rocess oteps (iii order perioriiied)					
	Data Place holder for "before graphs" (show the extent of your pr	oblem)					



Potential Waste to be Eliminated: (Provide Specific Example)

- 1) Waiting- time between appointments
- 2) Overproduction- under utilization of therapist capacity
- 3) Rework less than 100% on documentation quality
- 4) Movement- gathering clients/off site(need add value stream)
- 5) Processing (over-processing)- Billing sheets
- 6) Intellect- Therapist doing general office duties
- 7) Inventory- under utilization of therapist capacity
- 8) Transport- movement of therapist

A3



A3

Goals/Objectives:

What is the specific change you want to accomplish now?

Increase prescribed capacity through advertising and community engagement to increase referral sources (Treatment Plans), Increase actual capacity through removal of non value work process (time study value map), Improve data collection of no call no show rates (non billable report), and improve NCNS rates and same day cancelations to single digit %

EXAMPLES:

- 1) Increase prescribed capacity to exceed daily targets by the end of September (fiscal quarter) as evidenced by treatment plans
- 2) Reduce non value added work process by 50% as evidenced by time study
- 3) increase data collection of same day cancelations and no show to 100% by 8/31

A3

Analysis:

What is/are the root causes of the problem(s) with the current process?

Are there other contributing factors?

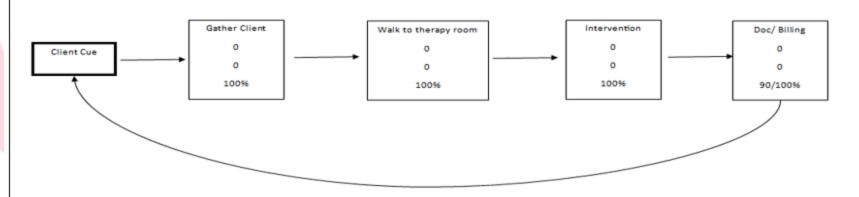
When moving to address the root cause, what requirements, constraints and alternatives need to be considered? Low prescribed and actual capacity of direct service hours, someday cancelations and no-show appointments with both reducing the utilization of available billable time.

A3

Recommendations:

What is/are your proposed countermeasure(s)?

Increase marketing, increase community engagement, reducing waste (such as wait time and rework), Reduce cancelation rates and improve client engagement, Improve insession documentation, improve billing sheets forwarded to finance



A3

Plan:

What activities will be required for implementation and who will be responsible for what and when? Include implementation plan here.

Include communication plan here. (Change management) (this section to be completed after training and discussion with your team)

\mathbf{Z}	Α	В	С	D	E	F	G	Н		
1					Current Date: Red: (Overdue	9/15/16	ACTION DI ANI			
2		CHADDO	CV		Items)		ACTION PLAN:			
3		CHADDO	CN		Yellow: (Due within two weeks)		Family Solutions			
4					Green: (completed items)					
8		Team Sponsor:	Project	Lead:	Action Plan Title:		Team Members:			
9		Lean Pilot	J. Carlson		Outpatient		J. Carlson, A. Nagy, M. Obert, E. Griggs, K.Nelson, Family Solutions team.			
10										
	#	Action Item (what is the plan)	Who? (one	Start Date	Current Due	Original Due	Updates/Notes (details on what has	Item		
11			name only)	(When)	Date (When)	Date (When)	been done accomplished)	Com		
12	1	Time study to identify non value added steps.	Josh	8/22/16	10/28/16	10/24/16	Will be tracked through the end of October			
13	2	Complete 5-S on therapy rooms & storage supply	Josh	8/29/16	9/30/16	9/16/2016	Will schedule conference with Ryan on 5S.			
14	3	Complete 5-S on Adm. Asst. area Use Visual Management	Josh	8/29/16	9/30/16	9/16/2016	worked on organizing 09/02/16. still to do visual management.			
15	4	E-mail Flex regarding non Medicaid billing	Matt	8/29/16	9/2/16	9/2/2016	e-mailed and received a response by 08/31/16.	С		
16		Meet with clinical department regarding reallocating and having training in summer months.	Josh	8/29/16	9/21/16	9/6/2016	to be added to training by mid to late August per HR (as of 6/4/16) JC: meet with Cassie D on 8/31 to let her know about coming proposal			
	6	Create a purposal on how to allocate	loch	0/20/16	12/15/16	12/15/2016				

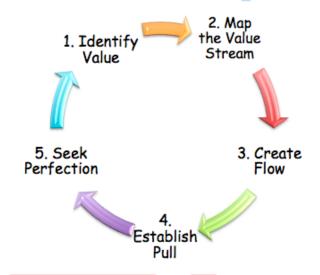
A3

Follow-up:

How will we know if the actions have the impact needed?

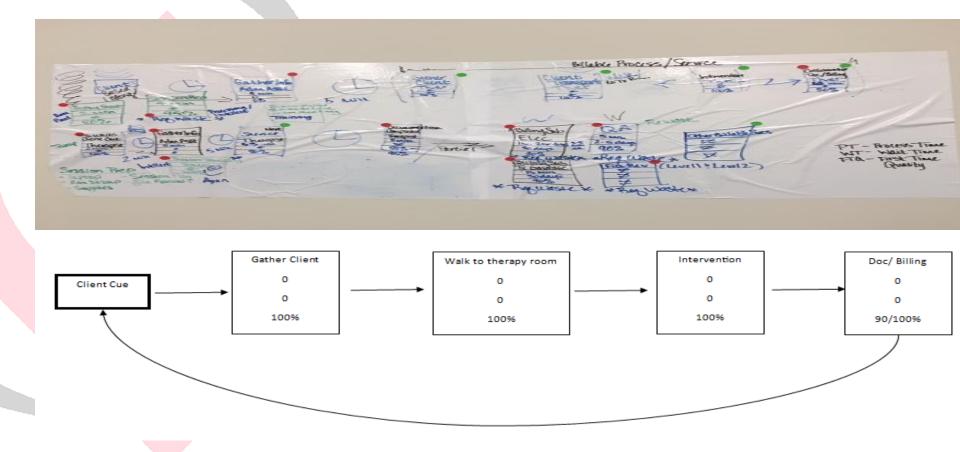
What remaining issues can be anticipated? (this section to be completed after training and discussion with your team)

Lean Principles



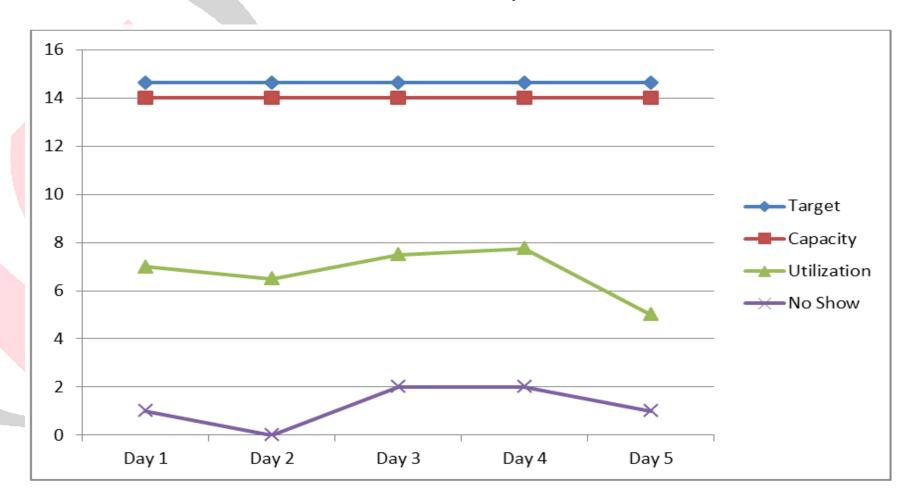
- Value Stream
 - Value added
 - Non value added

The Race Track



- Data
 - Quantitative data
 - Target
 - Productivity
 - Capacity
 - Utilization
 - Cancellation/NS rate
 - Qualitative data
 - Focus group
 - Waiting room observation
 - Time study

Quantitative



Qualitative

Α	R	C	D	E	F	G	Н	I	J	K
		Clinical								
Week 1	Hours in	Paperwork/	Calls/	Supervision/	Training/			Other/	Total	
1/2/17-1/6/17	session	Notes	Emails	Meetings	Testing	Travel	Prep	Lunch	Hours	Time not included
Therapist										
	13.5	10.75	1.75	2.5	0	2	1	5	36.5	Off on Monday for holiday
	13.75	9.75	1.75	4.5	0	4.25	2.75	2	38.75	Off on Monday for holiday

Personal Revelations

- Supply and demand
 - Training
 - Staffing patterns
- Perishable
 - Therapist time
- Conceptual Variables
 - Abstract concept
- Operationalize
 - Finding ways to quantify these variables
- Internal stakeholders
- External stakeholders

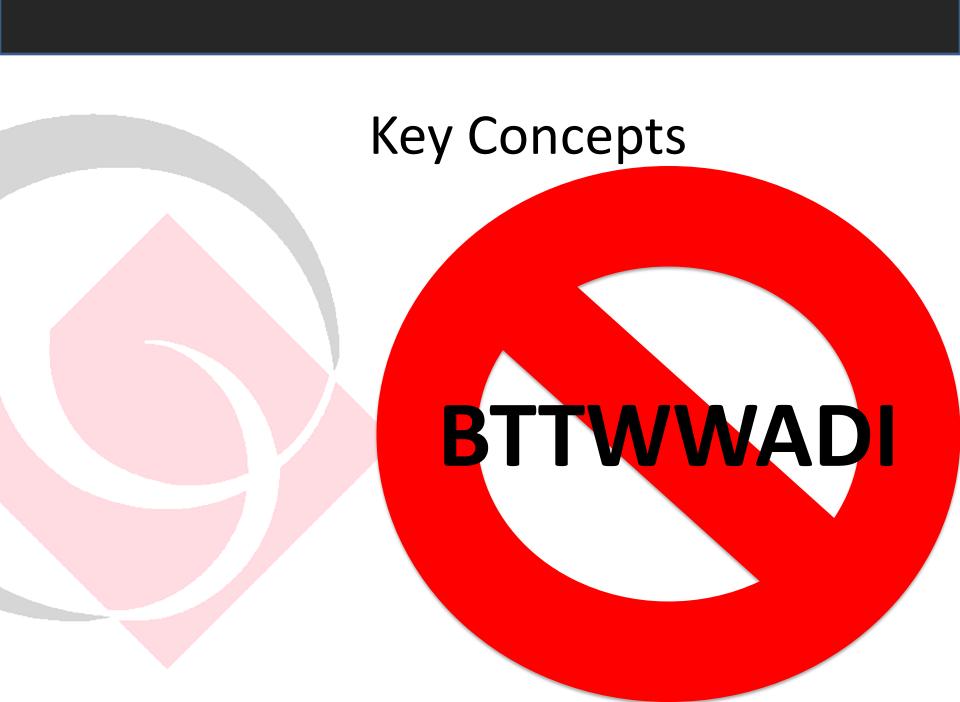


• Muda





- Muda
 - 1. Value added
 - 2. Required waste
 - 3. Pure waste
- Finding the root cause can lead to corrective action
- Courage to call it waste





- Muda or Waste
 - 1. Waiting
 - 2. Over production
 - 3. Rework
 - 4. Motion
 - 5. Processing
 - 6. Inventory
 - 7. Intellect
 - 8. Transportation



Muda or Waste

1. Waiting

- 2. Over production
- 3. Rework
- 4. Motion
- 5. Processing
- 6. Inventory
- 7. Intellect
- 8. Transportation



Muda or Waste

1. Waiting

Signature activity



- Muda or Waste
 - 1. Waiting

2. Over production

- 3. Rework
- 4. Motion
- 5. Processing
- 6. Inventory
- 7. Intellect
- 8. Transportation



- Muda or Waste
 - 1. Waiting
 - 2. Over production

3. Rework

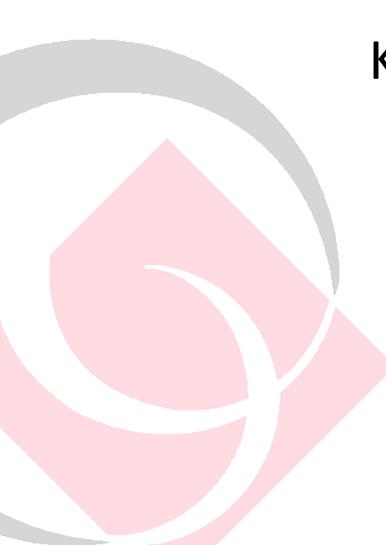
- 4. Motion
- 5. Processing
- 6. Inventory
- 7. Intellect
- 8. Transportation



- Muda or Waste
 - 1. Waiting
 - 2. Over production
 - 3. Rework

4. Motion

- 5. Processing
- 6. Inventory
- 7. Intellect
- 8. Transportation



- Muda or Waste
 - 1. Waiting
 - 2. Over production
 - 3. Rework
 - 4. Motion

5. Processing

- 6. Inventory
- 7. Intellect
- 8. Transportation



- Muda or Waste
 - 1. Waiting
 - 2. Over production
 - 3. Rework
 - 4. Motion
 - 5. Processing

6. Inventory

- 7. Intellect
- 8. Transportation



- Muda or Waste
 - 1. Waiting
 - 2. Over production
 - 3. Rework
 - 4. Motion
 - 5. Processing
 - 6. Inventory

7. Intellect

8. Transportation



- Muda or Waste
 - 1. Waiting
 - 2. Over production
 - 3. Rework
 - 4. Motion
 - 5. Processing
 - 6. Inventory
 - 7. Intellect

8. Transportation

- Visual Management
 - Visual tools make situations stand out quickly
 - Problem solving ability by all staff
 - Address problems immediately
 - Create a culture where problems are addressed

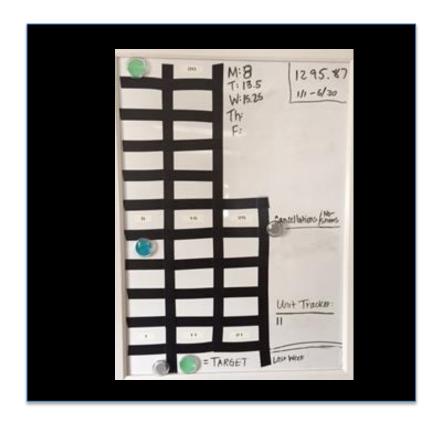
Visual Management

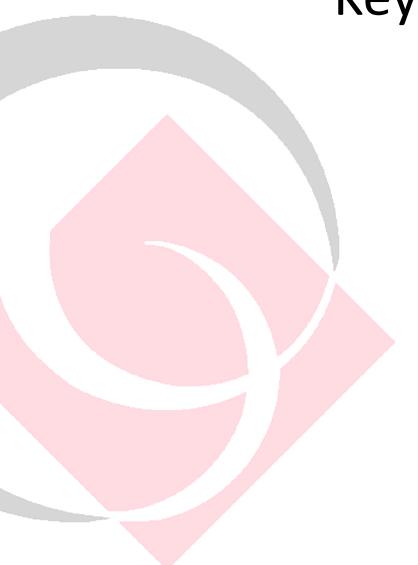






Real Time Feedback







- 5S
 - Office supplies
 - Theraplay supplies

Source: leanprocess.net

- Collaborative
 Documentation/EHR
- Inclusive Leadership
- Supervision



Collaborative
 Documentation/EHR

KEY LEADERSHIP BEHAVIORS

Four Leadership Attributions That Link to Inclusion

EMPOWERMENT

You enable direct reports to develop and excel.

HUMILITY

You admit mistakes; you accept and learn from criticism and different points of view; you seek contributions of others to overcome limitations.



ACCOUNTABILITY

You demonstrate confidence in direct reports by holding them responsible for performance they can control.

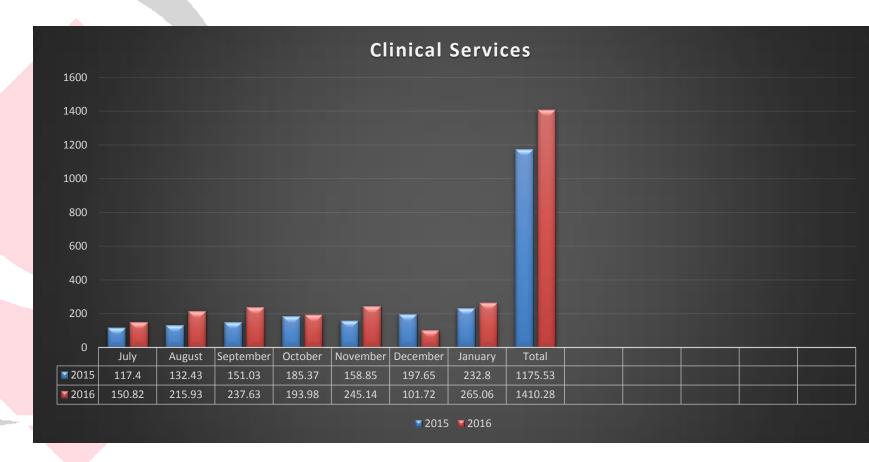
COURAGE

You put personal interests aside to achieve what needs to be done; you act on convictions and principles even when it requires personal risk-taking.

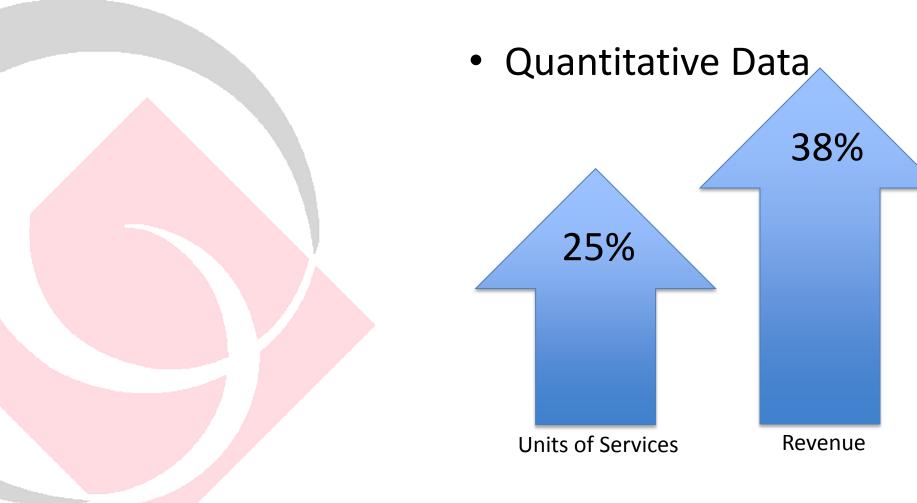
- Clinical supervision
- Team Meeting
- Consultation
 - Communicate the purpose
 - Communicate mutual goals
 - Use SMART goals

Outcomes

Quantitative Data

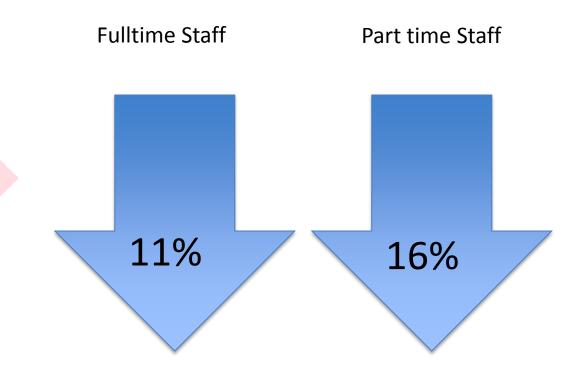


Outcomes



Outcomes

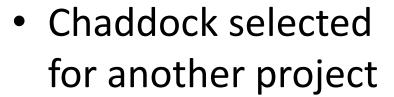
Quantitative Data





- Qualitative Data
- It made our jobs doable
- Things are more efficient
- I'm not as stressed
- All staff indicated that they felt moral has improved

What's next



- Invitation for additional training
- Working towards becoming a certified Lean Coach



"A Leader is one that gets results by maximizing resources."

-Tony Robbins

Reading List

Womack, J. P., & Jones, D. T. (2010).

Lean thinking: banish waste and create wealth in your corporation. Simon and Schuster.

Liker, J. K. (2004). The toyota way. Esensi.



Thank you.

Family Solutions
Joshua Carlson, MSW, LCSW

Clinical Supervisor-

Family Solutions

217-223-7516

jcarlson@chaddock.org

Connect with me on LinkedIn at

linkedin.com/in/joshcarlson9987

